



Office of the Chancellor

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May 3, 2010

Dr. Alan Mabe
Senior Vice President for Academic Affairs
Office of the President
University of North Carolina
Post Office Box 2688
Chapel Hill, North Carolina 27515-2688

Dear Dr. Mabe:

Enclosed is UNC Charlotte's request for authorization to establish a Master of Science in Real Estate (M.S.R.E.) program.

The proposed program emerged from strategic planning within the Belk College of Business and capitalizes on faculty strengths in real estate finance, urban planning, design, and infrastructure development in the Colleges of Business, Liberal Arts and Sciences, Arts and Architecture, and Engineering.

Thank you for your consideration of this program. Provost Joan Lorden or I would be pleased to respond to any questions that you may have regarding this request.

Cordially,

Philip L. Dubois
Chancellor

PLD/ch

Enclosure

cc: Provost Joan F. Lorden
Dr. Nancy Gutierrez
Dr. Bob Johnson
Dr. Ken Lambla
Dr. Joseph Mazzola



THE UNIVERSITY OF NORTH CAROLINA
Request for Authorization to Establish a New Degree Program

INSTRUCTIONS: Please submit five copies of the proposal to the Senior Vice President for Academic Affairs, UNC Office of the President. Each proposal should include a 2-3 page executive summary. The signature of the Chancellor is required.

Date April 13, 2010

Constituent Institution: The University of North Carolina at Charlotte

CIP Discipline Specialty Title: Real Estate

CIP Discipline Specialty Number: 52.2501 Level: B M 1st Prof D

Exact Title of Proposed Program: Master of Science in Real Estate

Exact Degree Abbreviation (e.g. B.S., B.A., M.A., M.S., Ed.D., Ph.D.): MSRE

Does the proposed program constitute a substantive change as defined by SACS? Yes No

a) Is it at a more advanced level than those previously authorized? Yes No

b) Is the proposed program in a new discipline division? Yes No

Proposed date to establish degree program (allow at least 3-6 months for proposal review):

month August year 2011

Do you plan to offer the proposed program away from campus *during the first year of operation*?

Yes No

If so, complete the form to be used to request establishment of a distance learning program and submit it along with this request.

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Executive Summary

The University of North Carolina at Charlotte proposes the creation of a Master of Science in Real Estate (MSRE) degree. The new graduate program will engage the faculty and resources of the Belk College of Business, the Center for Real Estate, the School of Architecture, the Department of Civil and Environmental Engineering, and the Department of Geography and Earth Sciences. Coursework will be multidisciplinary in nature, focusing on all aspects of the real estate development and investment process. Prospective students will be drawn from undergraduate programs in architecture, engineering, urban planning and geography, as well as the business disciplines. Students graduating from the program will have the skills necessary to qualify for positions such as development associates, underwriters, brokers, asset and property managers, acquisition specialists, and financial analysts. The program is anticipated to be an attractive option for students not only in the Charlotte region, but also nationwide due to a combination of top-quality academics and a dynamic business environment.

The proposed MSRE will be offered by the Belk College of Business and is consistent with UNC Charlotte's mission to provide excellent graduate level programs designed to satisfy the needs of the regional business community. All courses included in the curriculum are structured to reflect the level of sophistication present in the real estate and financial services sectors, while recognizing the potential social and environmental impacts of real estate development. The multidisciplinary nature of the curriculum also provides prospective graduate students an educational opportunity that is not currently available at any public or private university in North Carolina.

UNC Charlotte is in a unique position to provide graduate level training in real estate because of its location in a vibrant urban environment. Future demand for new residential and commercial space will create employment opportunities for individuals with an understanding of the various facets of real estate finance and development. UNC Charlotte's strong reputation in related academic disciplines such as architecture, engineering, finance and geography also provides a significant competitive advantage.

The program will require the successful completion of a minimum of 32 hours of structured graduate level coursework. Admission requirements for the MSRE program will be competitive. Students will have to enter with at least a 3.0 undergraduate grade point average (out of a 4.0 scale). Students must also score satisfactorily on the GRE or GMAT. Students from non-English speaking countries will have to demonstrate proficiency in English through acceptable scores on the TOEFL or IELTS exams. Initial enrollment in the program is anticipated to be 15 full-time and part-time students. Within two years, the program is anticipated to reach a steady-state enrollment of 25 students.

Resources required to start the MSRE program are anticipated to be minimal because much of the administrative infrastructure is already in place within the Belk College of Business. The Center for Real Estate also has \$40,000 in annual state funding and nearly \$5 million in pledged endowment funding that will contribute to the cost of operating the program. These resources are anticipated to help make it possible to attract talented students to the program from across the country.

I. DESCRIPTION OF THE PROGRAM

A. Description of the Proposed Degree Program: The proposed multidisciplinary MSRE program is designed to prepare graduate students for careers in real estate finance and development by offering specialized coursework consistent with the evolving needs of the industry. The program will cater to full-time and part-time students, requiring the completion of thirty (32) credit hours beyond the baccalaureate degree. An additional six (6) hours of preparatory coursework will be required for students without an appropriate background in economics and financial accounting. All of the preparatory and required courses included in the program can be completed in sequence over one calendar year by full-time students. The tentative curriculum outlined below draws from the academic disciplines of architecture, engineering, finance, geography and law. Proposed catalog copy is included in Appendix A.

Prerequisites: Courses included in the preparatory component may be taken after admission to the MSRE program. The courses must, however, be completed before enrolling in 6000-level courses except by permission of the Director of the MSRE program.

MSRE 5110 Foundations in Economics (3)

MSRE 5131 Fundamentals of Financial Accounting & Financial Management (3)

Functional Component (32 hours): All requirements for admission to the program and completion of the Preparatory Component is required before commencing the Functional Component, except as approved by the Director of the MSRE program.

MSRE 6101 Real Estate Seminar (1); Must be taken twice for credit.

MSRE 6102 International Real Estate Study Tour (3)

MSRE 6120 Real Estate Law and Land Use Policy (3)

MSRE 6130 Site Planning, Building Design and Construction Fundamentals (3)

MSRE 6152 Financial Management (3)

MSRE 6158 Real Estate Finance and Investment (3)

MSRE 6159 Real Estate Development (3)

MSRE 6220 Financial Analysis of Development (3)

MSRE 6230 Construction Management (3)

MSRE 6258 Site Feasibility Analysis (3)

MSRE 6999 Real Estate Capstone (3)

MSRE students may elect to take MSRE 6250 Advanced Urban and Regional Economics in lieu of MSRE 6120 Real Estate Law and Land Use Policy. Students may also elect to take MSRE 6160 Real Estate Capital Markets in lieu of MSRE 6220 Financial Analysis of Development. All other courses included in the functional component of the curriculum must be completed by MSRE students. MSRE 6101 Real Estate Seminar is a one credit hour course that students must take twice for credit before graduation. Students enrolled in the

course will be required to participate in real estate trade organization meetings, engage in leadership and negotiation training, attend guest lecturers covering emerging trends in real estate and ethical business practices, and complete professional development seminars. MSRE 6102 is a study abroad experience that requires students to travel to an international real estate market and examine local real estate development practices over the course of one week.

B. Education objectives of the program: The overarching education objective of the MSRE program is to provide graduate students with the skills required to analyze, structure, and execute complex real estate investment and development transactions. The program will specifically seek to:

- Create a supply of employees with focused training in real estate finance and development.
- Emphasize the multidisciplinary nature of the real estate industry and the impact of development on the urban environment.
- Provide students with an educational background in business with a greater understanding of sustainable real estate design and construction processes.
- Provide students with a non-business background with the financial skills necessary to succeed in the real estate development industry.

C. Relationship to other programs: The MSRE program will strengthen UNC Charlotte's existing undergraduate and graduate programs in a number of ways:

- *Undergraduate Programs:* The proposed MSRE program will provide UNC Charlotte's undergraduate business students with an opportunity to continue their study of real estate finance at the graduate level, while becoming more familiar with the design and construction processes involved in real estate development projects. The program additionally offers an efficient and focused way for non-business undergraduate students from programs such as architecture, engineering and geography to develop the financial skills needed to obtain competitive positions with sophisticated real estate investment firms.
- *MBA with a Concentration in Real Estate:* The MSRE program will share several courses with the MBA concentration in real estate finance and development. However, the MSRE will offer students an opportunity to take three times more real estate courses in multiple academic disciplines. The MSRE program will also be structured so that full-time students can complete the degree within one year, unlike the MBA program's part-time structure.
- *Multidisciplinary Nature of the Program:* The MSRE will be designed as a true multidisciplinary program integrating the disciplines of architecture, engineering, finance, and geography.

II. JUSTIFICATION FOR THE PROGRAM

A. Describe the proposed program as it relates to:

1. **The institutional mission and strategic plan:** The proposed MSRE program directly advances several objectives articulated in the strategic plans of UNC Charlotte and the Belk College of Business, as well as important aspects of the UNC Tomorrow initiative.
 - *Development of High Quality Graduate Program:* UNC Charlotte continues to expand its role in graduate education and has specifically recognized real estate as an academic area it must develop in order to satisfy the needs of regional employers.
 - *Commitment to Urban and Regional Development:* The MSRE program will advance UNC Charlotte's commitment to the study of urban and regional development issues by providing students with an understanding of how real estate development affects economic development, metropolitan infrastructure, transportation, and urban planning.
 - *Graduate Student Quality and Diversity:* The Center for Real Estate at UNC Charlotte and the Belk College of Business have raised over \$5 million in pledged endowment funding for real estate education. The funding will make it possible to attract a diverse group of talented students to the MSRE program by offering competitive financial assistance packages.
 - *Increase Recognition of the College's Graduate Programs:* The Belk College of Business has an opportunity to offer the first full-time multidisciplinary MSRE program in the state of North Carolina.
 - *Involvement of External Stakeholders:* The curriculum of the MSRE program was developed in close cooperation with the regional real estate community to ensure coursework is tailored to satisfy industry needs. Practitioner involvement in the development of the program additionally provides opportunities to increase the Belk College of Business's relationship with the regional business community and its existing alumni base.
 - *Leverage the University's Existing Resources:* The multidisciplinary nature of the MSRE program leverages UNC Charlotte's expertise in the areas of architecture, finance, engineering, and geography. The ability to take specialized coursework from multiple academic disciplines provides learning opportunities that could not be provided by a program offered within a single department.
 - *Recognition as a Leader in Business Research:* Financial and human resources provided by a MSRE program will increase UNC Charlotte's ability to produce academic and practitioner-oriented research relevant to both the Charlotte region and the state of North Carolina.

- 2. Student demand:** UNC Charlotte's location in one of the largest and fastest growing metropolitan areas in the southeast makes it an ideal candidate for a graduate program in real estate. The strength and sophistication of the region's financial services industry also creates demand for high level training in real estate finance, which can be observed in a number of ways:
- *Existing Courses:* UNC Charlotte has experienced strong student demand for real estate courses over the last several years and has expanded its curriculum in this area to accommodate the interest.
 - *Support from the Real Estate Industry:* Student demand is driven by employer demand. The Center for Real Estate at UNC Charlotte was established in 2005 thanks to the generous support of the local real estate community. An Advisory Board of successful real estate professionals was formed at that time to guide the Center's research, teaching, and community services activities. Members of the Advisory Board have expressed a strong interest in a MSRE program and have provided the financial support to help ensure its success. Several letters in support of the proposed program are provided in *Appendix B*.
 - *Market Demand for Graduate Level Real Estate Education:* Student demand for graduate level real estate education can also be observed by examining the number of academic institutions across the United States that have established programs similar to UNC Charlotte's proposed MSRE. Over twenty Master of Science in Real Estate or Master of Science in Real Estate Development programs have been created in the last thirty years. An overview of several successful programs is provided in Section III (A) of this document.
 - *Market Demand for Specialized Coursework:* A survey was conducted in 2007 by the Center for Real Estate at UNC Charlotte to help develop the curriculum for the proposed MSRE program. Advisory Board members, MBA students and alumni, and other stakeholders involved with the Center for Real Estate were asked to rank a list of proposed courses based on their importance to the real estate industry. The results demonstrate that UNC Charlotte's existing MBA program with a concentration in real estate provides basic courses in finance, development, and site selection that are believed to be essential to both students and employers active in the Charlotte real estate market. However, a majority of the respondents identified several additional courses they believed should be included in the required curriculum of a real estate graduate program. Survey results are provided in *Appendix C*.
- 3. Societal need:** The multidisciplinary MSRE curriculum emphasizes important environmental and social issues involved in the real estate development process, such as: urban sprawl, gentrification, housing affordability, environmental remediation, spatial mismatch, smart-growth, transit-oriented development, infill development, adaptive reuse, and historic preservation.

4. Impact on other UNC Charlotte Undergraduate or Graduate Programs:

- *Specialization:* UNC Charlotte’s MBA program offers a concentration in real estate finance and development, but it is not anticipated to compete for students with the proposed MSRE program. The MSRE is much more specialized and does not include the type of general business coursework customary in an MBA program. Students in the MSRE program will also be required to take 11 real estate courses, rather than the four real estate courses required in the MBA real estate concentration.
- *Complementary Coursework:* The MSRE program will allow graduate programs in architecture, business, engineering and geography to cross-list courses in order to expand the options available to UNC Charlotte students.

B. Discuss potential program duplication and program competitiveness

- No public or private university in North Carolina currently offers a full-time multidisciplinary Master of Science in Real Estate or Master of Science in Real Estate Development.
- UNC Charlotte and UNC Chapel Hill both offer MBA programs with a concentration in real estate finance and development, but neither includes the level of specialization offered by the proposed MSRE program.
- The Master of Science in Real Estate Development (MSRED) offered at Clemson University and the Master of Science in Real Estate (MSRE) offered at the University of Florida are the most similar programs located in the southeast. However, Clemson’s program is housed in the College of Architecture and has a curriculum that is considerably different than the one proposed at UNC Charlotte.

C. Enrollment

- *Competitive Institutions:* No UNC institution currently offers a multidisciplinary MSRE or MSRED. A limited number of graduate level real estate courses are available in MBA programs at various institutions throughout the state, but the curriculum is not similar to the proposed MSRE.
- *UNC Charlotte MSRE Program Enrollment Projections:*

	Year 1 (2011-12)	Year 2 (2012-13)	Year 3 (2013-14)	Year 4 (2014-15)
Full-time	12	16	20	20
Part-time	3	4	5	5
TOTALS	15	20	25	25

- Anticipated steady-state headcount enrollment after four years:
 Full-time 20 Part-time 5 Total 25
- SCH production: The figures presented in the tables below assume students admitted to the MSRE program will complete an average of 28 hours of coursework per year.

Year 1: 2011-12	Student Credit Hours (SCH)		
Program Category	UG	Master's	Doctoral
Category I			
Category II		420	
Category III			
Category IV			

Year 2	Student Credit Hours (SCH)		
Program Category	UG	Master's	Doctoral
Category I			
Category II		560	
Category III			
Category IV			

Year 3	Student Credit Hours (SCH)		
Program Category	UG	Master's	Doctoral
Category I			
Category II		700	
Category III			
Category IV			

Year 4	Student Credit Hours (SCH)		
Program Category	UG	Master's	Doctoral
Category I			
Category II		700	
Category III			
Category IV			

III. Program Requirements and Curriculum

A. Program Planning

1. Institutions with offerings similar to the proposed program:

University:	College:	Degree:	Credit Hours:	Enrollment:
Arizona State	Design	MRED	30	36
Clemson	Architecture / Planning	MSRED	54	30
Columbia	Architecture / Planning	MSRE	36	95
DePaul	Commerce	MSRE	36	4
Florida	Business	MSRE	34	20
Georgia State	Business	MSRE	36	30
Johns Hopkins	Business	MSRE	40	40
MIT	Center for Real Estate	MSRED	36	36
NYU	Professional Studies	MSRED	42	125
San Diego	Business	MSRE	32	20
San Diego State	Business	MSRE	30	4
Southern California	Business	MSRED	44	58

B. Admission

1. Admissions requirements for proposed program:

- Grade Point Average: Admission requirements for the MSRE program will be competitive. Students will have to enter with at least a 3.0 undergraduate grade point average (out of a 4.0 scale).
- GRE or GMAT: Acceptable scores on the GRE or GMAT.
- Language Requirement: Students from non-English speaking countries will have to demonstrate proficiency in English through acceptable scores on the TOEFL or IELTS exams
- Specific Coursework: Students without any training in economics or financial accounting can satisfy these requirements by participating in the proposed MSRE preparatory coursework.
- Diversity: Admission is competitive, but efforts will be made to recruit and retain a diverse study body both regionally and nationally.

2. Documents to be submitted including the following:

- A complete application to the Graduate School at UNC Charlotte
- Official transcripts from all post secondary schools attended
- Official GRE or GMAT scores
- A personal statement of motivation for entering the program
- Three letters of reference

C. Degree requirements. List the following:

1. **Total hours required:** A minimum of thirty (32) hours beyond the baccalaureate degree.
2. **Proportion of courses open only to graduate students:** One of the courses in the program (Real Estate Development) will be open to select undergraduate students participating in their fifth year of UNC Charlotte's undergraduate program in architecture.
3. **Grades required:** Letter grades are used to designate the quality of work completed. Letter Meaning:
 - (A) commendable
 - (B) satisfactory
 - (C) marginal
 - (U) unsatisfactory

A student is expected to achieve A's or B's in all coursework taken for graduate credit and must have a least an average of B in order to graduate. More than two C grades will result in termination of the student's enrollment in the graduate program. If a student makes a grade of U in any course, enrollment will be terminated and the student cannot take any further graduate course work without being re-admitted to the program. Readmission to the program requires approval of the Dean of the Graduate School upon the recommendation of one of the Program Director.

4. **Amount of transfer credit accepted:** No more than six (6) hours of coursework from an accredited institution with a grade of (B) or higher.
5. **Other requirements:** All course requirements must be completed by program participants.
6. **Language and/or research requirements:** None
7. **Any time limits for completion:** University policy requires that no course may be listed on a master's student candidacy form that is older than six years.

D. List existing courses by title and number and indicate (*) those that are required. Include an explanation of numbering system. List (under a heading marked "new") and describe new courses proposed.

Prerequisites:

MSRE 5110 Foundations in Economics (3)^

MSRE 5131 Fundamentals of Financial Accounting & Financial Management (3)^

^MSRE 5110 and 5131 are currently offered as MBAD 5110 and 5131 respectively in the Belk College of Business's MBA program.

Functional Component (32 hours)

MSRE 6101 Real Estate Seminar (1)* NEW
MSRE 6102 International Real Estate Study Tour (3)* NEW
MSRE 6120 Real Estate Law and Land Use Policy (3) NEW
MSRE 6130 Site Planning, Building Design & Construction Fundamentals (3)* NEW
MSRE 6152 Financial Management (3)*^
MSRE 6158 Real Estate Finance and Investment (3)*^
MSRE 6159 Real Estate Development (3)*^
MSRE 6220 Financial Analysis of Development (3) NEW
MSRE 6230 Construction Management (3)* NEW
MSRE 6258 Site Feasibility Analysis (3)*^
MSRE 6999 Real Estate Capstone (3)* NEW

^MSRE 6152, 6158 and 6258 are currently offered as MBAD 6152, 6158, and 6258 respectively in the Belk College of Business's MBA program.

MSRE students may elect to take MSRE 6250 Advanced Urban and Regional Economics^ in lieu of MSRE 6120 Real Estate Law and Land Use Policy. Students may also elect to take MSRE 6160 Real Estate Capital Markets^ in lieu of MSRE 6220 Financial Analysis of Development. All other courses included in the functional component of the curriculum must be completed by MSRE students. MSRE 6101 Real Estate Seminar is a one credit hour course that students must take twice for credit before graduation. Students enrolled in the course will be required to participate in real estate trade organization meetings, engage in leadership and negotiation training, attend guest lecturers covering emerging trends in real estate and ethical business practices, and complete professional development seminars. MSRE 6102 is a study abroad experience that requires students to travel to an emerging international real estate market and examine local real estate development practices over the course of one week.

^MSRE 6250 and MSRE 6160 are currently offered as ECON 6250 and MBAD 6160 respectively in the Belk College of Business's MS Econ and MBA programs.

1. New Course Descriptions:

MSRE 6101, Real Estate Seminar (1): This course is designed to provide students with exposure to emerging trends in the real estate industry. Students are required to participate in real estate trade organization meetings, engage in leadership and negotiation training, attend guest lecturers covering real estate trends and ethical business practices, and complete professional development seminars. (Fall, Spring)

MSRE 6102, International Real Estate Study Tour (3): Students participating in the course will travel to an international city to study real

estate development. Opportunities and challenges in the regional real estate market will be explored through the completion of a series of study tours, presentations, reading assignments and short essays. Emphasis will be placed on issues such as urban planning, sustainable growth, economic development and global market integration. (Yearly)

MSRE 6120, Real Estate Law and Land Use Policy (3): Prerequisite: MSRE 5110 and MSRE 5131. This course provides an overview of common legal issues involved in the acquisition, development, financing, ownership and operation of real estate assets. Emphasis is placed on legal forms of ownership, real estate sale and lease transactions, and government regulation and taxation of land. (Yearly)

MSRE 6130, Site Planning, Building Design and Construction Fundamentals (3): This course will introduce essential principles of site planning, design and construction. Special emphasis will be placed on programming and sustainability issues for different project types. The nature and characteristics of construction materials, equipment, and systems used in modern buildings will be presented and how they affect function and feasibility. (Yearly)

MSRE 6220, Financial Analysis of Development (3): This course provides students with the analytical and computer skills necessary to evaluate the financial feasibility of complex value added real estate development projects, including land development, commercial and housing development. Accounting and taxation issues influencing the financial viability of real estate development projects will also be considered. (Yearly)

MSRE 6230, Construction Management (3): This course addresses the various roles and responsibilities of the contractor and construction manager in the development process including discussion of the owner/designer/constructor relationship. Emphasis is placed on sustainable design and other public policy objectives advanced by specific types of development, as well as the role the public sector may play in the success of real estate projects. (Yearly)

MSRE 6999, Real Estate Capstone (3): Prerequisite: All required courses in the preparatory and functional components of the MSRE curriculum must be completed before taking MSRE 6999. This course is designed to bring together the topics covered in the MSRE program and examine how they relate to each other. Students will complete applied group projects, as well as conduct independent research, to explore issues of interest to the real estate industry. All of these projects will encourage students to develop their leadership and negotiation skills, as well as consider ethical issues commonly faced by real estate professionals. (Yearly)

IV. FACULTY

A. List the names of persons on the faculty who will be directly involved in the proposed program: The UNC Charlotte faculty members below are anticipated to participate in the MSRE program in different capacities. *Appendix D* contains faculty CVs and *Appendix E* contains letters in support of the proposed MSRE program from academic departments involved in the planning process.

College of Architecture:		
<u>Name</u>	<u>Rank</u>	<u>Research Interests</u>
Dr. José Gamez	Assist. Professor	Latino Architecture and Urbanism
Dr. Zhongjie Lin	Assist. Professor	Urban Design and Modern Architecture
Deborah Ryan	Assoc. Professor	Landscape Architecture, Urban Design, and Community Planning
David Walters	Professor	New Urbanism and Smart Growth
College of Arts and Science (Geography Department):		
<u>Name</u>	<u>Rank</u>	<u>Research Interests</u>
Dr. Harrison Campbell	Assoc. Professor	Economic Development, Regional Analysis, Policy/ Program/ Impact Assessment, and Sports & Urban Development
Dr. Kenneth Chilton	Assist. Professor	Land Use Planning, Community Planning, Brownfield Redevelopment, and Housing Policy
Dr. William Graves	Assoc. Professor	Geography of Finance, Regional Economic Development, Role of the Knowledge of Industry in Southern Economic Development
Dr. Tyrel Moore	Professor	Regional Planning & Development, Small Town Planning, Urban Planning Methods, Liberal Studies
Dr. Deborah Strumsky	Assist. Professor	Global Connections: Geography Technological Innovation, Spatial Statistics and Econometrics, Social Network Analysis, Venture Capital & Entrepreneurship
College of Business:		
<u>Name</u>	<u>Rank</u>	<u>Research Interests</u>
Dr. Richard Buttimer	Professor	Derivatives, Real Estate Development, Mortgages
Dr. Steven Ott	Professor	Derivatives, Real Estate Finance & Development
Dr. Dustin Read	Clinical	Public Policy, Real Estate Finance, Land Use Law
Dr. John Connaughton	Professor	Urban and Regional Economics
College of Engineering:		
<u>Name</u>	<u>Rank</u>	<u>Research Interests</u>
Dr. David Young	Professor	Civil Engineering

- B. Estimate the need for new faculty for the proposed program over the first four years:** The MSRE program is not anticipated to require new faculty in the first four years of its existence. Existing UNC Charlotte faculty have the expertise to launch the program and many of the remaining courses included in the proposed curriculum are already offered at UNC Charlotte. New courses will be taught by clinical professors, executives in residence, and existing tenure-track faculty. New courses offered by the MSRE program will also be cross-listed with other graduate programs to increase the options available to UNC Charlotte students across disciplines.
- C. If acquisition of new faculty requires additional funds, please explain where and how these funds will be obtained:** The Center for Real Estate receives \$40,000 in annual state funding and has an endowment with approximately \$5 million in pledged funds that will contribute to the cost of operating the program. The Belk College of Business's tuition increment for all graduate level programs will provide additional funding once the MSRE program reaches stabilized enrollment.
- D. Explain how the program will affect faculty activity including course load, public service and scholarly research:** Faculty in the various departments participating in the MSRE program are already engaged in real estate related teaching, research, and public service. The proposed program is not anticipated to detract from these efforts. Additionally, increased cooperation among faculty members from different academic disciplines may create unique opportunities for new research and public service initiatives. Faculty members participating in any additional teaching needed to support the MSRE program will be compensated by the Center for Real Estate.

V. LIBRARY

- A. Provide a general statement as to the adequacy of present library holdings for the proposed program:** Consultation with the J. Murrey Atkins Library yielded the forms attached in Appendix F.
- B. State how the library will be improved to meet program requirements for the next five years. The explanation should discuss the need for books, periodicals, reference materials, primary source materials, etc. What additional library support must be added to areas supporting the proposed program?** Consultation with the J. Murrey Atkins Library yielded the forms attached in Appendix F.
- C. Discuss the use of other institutional libraries:** Interlibrary loan opportunities offered by the J. Murrey Atkins Library are sufficient to support the MSRE program.

VI. FACILITIES AND EQUIPMENT

- A. Describe facilities available for the proposed program:** The proposed program will share facilities already available at UNC Charlotte, including the following: faculty and department offices and classrooms, library resources through the J. Murrey Atkins Library, computer labs, and administrative services provided by the Graduate School at UNC Charlotte for the processing of admission applications and monitoring of progress towards degree completion.
- B. Describe the effect of this new program on existing facilities and indicate whether they will be adequate, both at the commencement of the program and during the next decade:** Existing facilities are adequate to support the MSRE program.
- C. Discuss any information technology services needed and/or available:** Existing information technology services are adequate to support the MSRE program.
- D. Discuss sources of financial support for any new facilities and equipment:** The MSRE program does not require additional financial support for new facilities or equipment

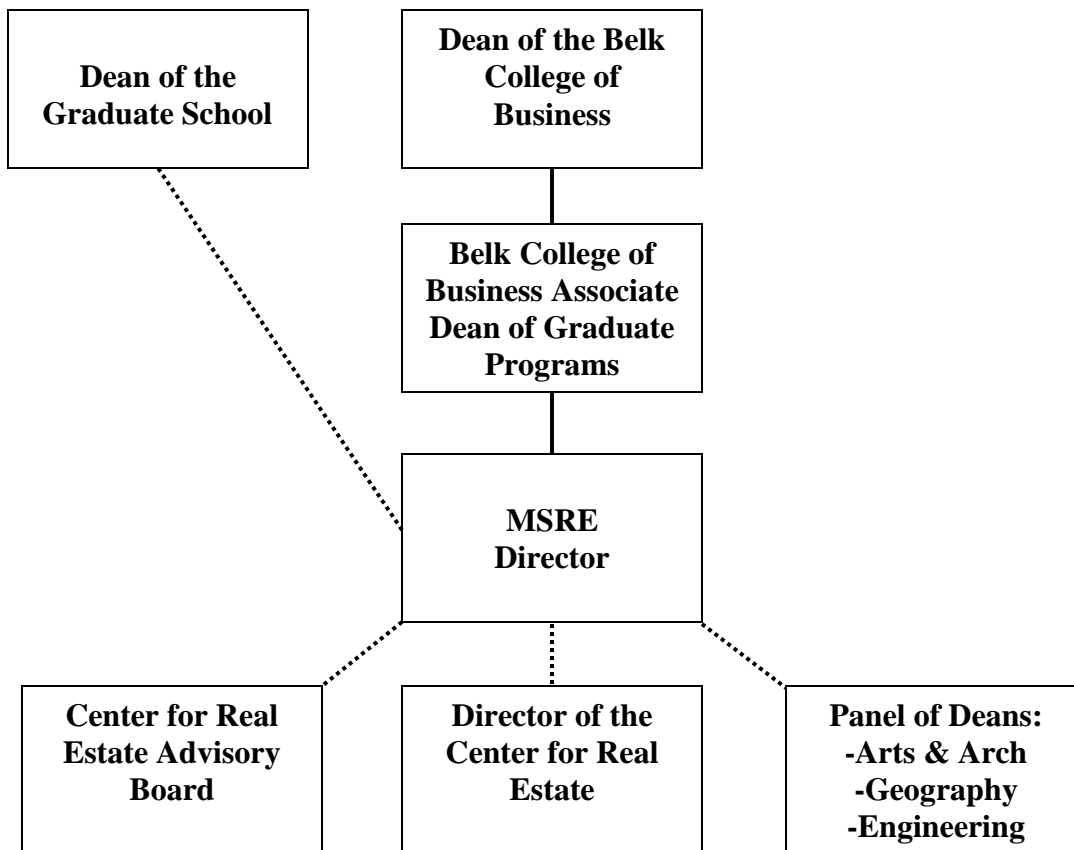
VII. ADMINISTRATION

Describe how the proposed program will be administered giving the responsibilities of each department, division, school, or college: The administrative structure of the MSRE program is described below and an organizational chart is attached.

- *Graduate School:* The executive and administrative affairs of the Graduate School are carried out by the Dean of the Graduate School, who acts in cooperation with the deans of the seven colleges of Arts and Architecture, Liberal Arts and Sciences, Business, Education, Engineering, Information Technology, and Health and Human Services.
- *Dean of the Graduate School:* At the University of North Carolina at Charlotte, the Dean of the Graduate School is the administrative officer with primary responsibility for the supervision of graduate programs. The Dean is responsible for the executive and administrative affairs for the Graduate School in accordance with the policies determined by the UNC Charlotte Graduate Council, the Graduate Faculty, and the Faculty Council. The Graduate School is responsible for monitoring the quality of graduate programs, the final admission of graduate students, appointments to the Graduate Faculty, and supporting the enhancement of research activities essential to the conduct of graduate programs. Consequently, the Dean of the

Graduate School will have the primary responsibility for the supervision of the proposed MSRE program. The Graduate Dean's main duties with respect to this program are final admission of students and approval of programs of study

- *Belk College of Business:* The Director of the MSRE program will report to the Belk College of Business's Associate Dean for Graduate Programs, who will then report directly to the Dean of the Belk College of Business. The administrative component of the MSRE program will be housed entirely within the Belk College of Business; however, the Director of the MSRE program will consult with faculty members from other departments and colleges regarding curriculum changes and other such topics as needed. Curriculum changes will be made by the Belk College of Business after obtaining appropriate faculty and administrative approvals at both the college and university level.
- *Faculty Advisory Committee:* A faculty advisory committee composed of one faculty member from each academic discipline represented in the program will be formed to assist the Director in curriculum development and refinement.
- *Industry Advisory Board:* Real estate professionals active in the Charlotte market will be consulted in the development of the program through the formation of an advisory committee composed of members of the Center for Real Estate's Advisory Board.
- *The Graduate Council:* The Graduate Council of UNC Charlotte, whose voting members are elected by the graduate faculty from each of the colleges, reviews develops and makes recommendations concerning Graduate School policy. All curricula proposals and all criteria for membership in the Graduate Faculty come before the Graduate Council, which also creates appropriate committees and hears grievances.
- *The Colleges:* The Dean of each College has administrative responsibility for the supervision of all the departments in the College. The Dean acts in concert with the Chair of each department on matters of personnel.



VIII. ACCREDITATION

Indicate the names of all accrediting agencies normally concerned with programs similar to the one proposed.

- UNC Charlotte is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: telephone number 404-679-4501) to award baccalaureate, master's, intermediate, and doctoral degrees.
- The Belk College of Business Administration is accredited through the Association to Advance Collegiate Schools of Business (AACSB) (600 Emerson Road, Suite 300 St. Louis, MO. 63141-6762 USA Tel: 314-872-8481 Fax: 314-872-8495)
- No other special accrediting agency is normally concerned with programs similar to the one proposed.

IX. SUPPORTING FIELDS

Are other subject-matter fields at the proposing institution necessary or valuable in support of the proposed program? Is there needed improvement or expansion of these fields? To what extent will such improvement or expansion be necessary for the proposed program?

- There are no other subject-matter fields at the proposing institution necessary to support the proposed program and.

X. ADDITIONAL INFORMATION

Include any additional information deemed pertinent to the review of this new degree program proposal:

- No additional information is deemed pertinent in order to review the proposed MSRE degree.

XI. BUDGET

Provide estimates (using the attached form) of the additional costs required to implement the program and identify the proposed sources of the additional required funds.

Budget forms are included in Appendix G.

XII. EVALUATION PLANS

All new degree program proposals and degree program track descriptions must include an evaluation plan which includes: (a) the criteria to be used to evaluate the quality and effectiveness of the program, (b) measures to be used to evaluate the program, (c) expected levels of productivity of the proposed program/track for the first four years of the program (numbers of graduates), (d) the names, addresses, and telephone numbers of at least three persons...qualified to review this proposal and to evaluate the program once operational, and (e) the plan and schedule to evaluate the proposed new degree program prior to the completion of its fifth year of operation once fully established.

A. Criteria to be used to evaluate the proposed program (not in an order of priority).

- Relevance of content
- Quality of Instruction
- Quality of graduates
- Quality of faculty
- Satisfaction of graduates and employers.

B. Measures to be used to evaluate the program:

- Number of graduates
- Academic performance
- Job placements
- Student survey one year after graduation

C. Projected productivity levels (numbers of graduates): The proposed full-time MSRE program is designed to allow students to complete all required curriculum in one calendar year. Based on the enrollment projections included in Section II (C), 105 students should complete the program at the end of four years.

	Year 1 (2011-2012)	Year 2 (2012-2013)	Year 3 (2013-2014)	Year 4 (2014-2015)	TOTALS
B					
M	15	20	25	25	85
I/P					
D					

D. Recommended consultants/reviewers: Names, titles, addresses, e-mail addresses, and telephone numbers.

- Timothy Riddiough
E.J. Plesko Chair of Real Estate and Urban Land Economics
Director, Center for Real Estate
5251 Grainger Hall
975 University Ave.
Madison, WI 53706-1323
608-262-3531
triddiough@bus.wisc.edu

- James B. Kau
Terry Professor of Business
Terry College of Business
314 Brooks Hall
University of Georgia
Athens, Georgia 30602-6255
706-542-9110
jkau@terry.uga.edu

- Brent Ambrose
Professor of Real Estate
Jeffery L. and Cindy M. King Fellow in Business
Smeal College of Business
Pennsylvania State University
368 Business Building
University Park, PA 16802
814-867-0066
Bwa10@psu.edu

- Crocker H. Liu
Professor
Stern School of Business
New York University
44 West Fourth Street, Suite 9-190
New York, NY 10012-1126
(212)998-0353
cliu@stern.nyu.edu

- David. C. Ling
William D. Hussey Professor
Director, MSRE Program
University of Florida
Warrington College of Business Administration
P.O. Box 117168
301C STZ
Gainesville, FL 32611-7168
352-273-0313
ling@ufl.edu

E. Plan for evaluation prior to sixth operational year: The Director of the MSRE program will have primary responsibility for preparing one-year and three-year productivity reports. The Director will, as a regular part of the annual reporting process, prepare a report on the program status and will submit it to the Deans of the Colleges of Arts and Architecture, Arts and Science, Business and Engineering, as well as to the Dean of the Graduate School.

XIII. REPORTING REQUIREMENTS

Institutions will be expected to report on program productivity after one year and three years of operation. This information will be solicited as a part of the biennial long-range planning revision.

Proposed date of initiation of proposed degree program: 2011-2012 Academic Year

This proposal to establish a new program has been reviewed and approved by the appropriate campus committees and authorities.

Chancellor Philip J. Hudson

Date 5/4/10

Appendix A: Catalog Copy

MASTER OF SCIENCE IN REAL ESTATE (MSRE)

www.realestate.uncc.edu

Program Director

To Be Determined

The Master of Science degree in Real Estate (MSRE) is designed to provide students with the skills necessary to analyze, evaluate and execute complex real estate investment and development transactions. The curriculum draws from academic disciplines such as architecture, engineering, finance, and geography to emphasize the multidisciplinary nature of the real estate industry and the diverse skill set required for success. Students graduating from the program will have the skills necessary to qualify for positions such as development associates, underwriters, brokers, asset and property managers, acquisition specialists, and financial analysts.

MSRE courses are scheduled to accommodate both full-time and part-time students. The program is structured to allow full-time students to complete the curriculum within one calendar year. Full-time students may enroll in up to thirteen (13) credit hours each semester and are expected to complete a capstone course and international study tour in the summer following the first academic year in the program. Part-time students may enroll in four (4) to seven (7) credit hours each semester and are expected to complete the capstone course and international study tour in the summer following the completion of all other program requirements. Day and evening courses are included in the curriculum, which are offered at both UNC Charlotte's Main Campus and the Uptown Campus.

Additional Admission Requirements

In addition to the general requirements for admission to the Graduate School, the following are required for graduate study in Real Estate:

- 1) A general satisfactory undergraduate record from an accredited college or university and an undergraduate grade point average of at least 3.0.
- 2) A satisfactory score on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE).
- 3) A satisfactory score on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) for applicants from non-English speaking countries.
- 4) A full resume or a description of significant work experience.

Degree Requirements

The MSRE degree requires the completion of a functional component including thirty-two (32) graduate hours. Necessary preparatory work will be determined during the admissions process and courses to meet the specific need will be available in the MSRE program's Preparatory Component. All students in the program must meet the Graduate School's requirements for a Master's Degree.

Preparatory Component (6 hours)

Prerequisites: All requirements for admission to the program. Courses included in the Preparatory Component may be taken after admission to the MSRE program. The courses must, however, be completed before enrolling in 6000-level courses except by permission of the Director of the MSRE program.

MSRE 5110 Foundations in Economics (3)

MSRE 5131 Fundamentals of Financial Accounting & Financial Management (3)

Functional Component (32 hours)

Prerequisites: All requirements for admission to the program and completion of the Preparatory Component, except as approved by the Director of the MSRE program.

MSRE 6101 Real Estate Seminar (1); Must be taken twice for credit.

MSRE 6102 International Real Estate Study Tour (3)

MSRE 6120 Real Estate Law and Land Use Policy (3)

MSRE 6130 Site Planning, Building Design and Construction Fundamentals (3)

MSRE 6152 Financial Management (3)

MSRE 6158 Real Estate Finance and Investment (3)

MSRE 6159 Real Estate Development (3)

MSRE 6220 Financial Analysis of Development (3)

MSRE 6230 Construction Management (3)

MSRE 6258 Site Feasibility Analysis (3)

MSRE 6999 Real Estate Capstone (3)

MSRE students may elect to take MSRE 6250 Advanced Urban and Regional Economics in lieu of MSRE 6120 Real Estate Law and Land Use Policy. Students may also elect to take MSRE 6160 Real Estate Capital Markets in lieu of MSRE 6220 Financial Analysis of Development. All other courses included in the functional component of the curriculum must be completed by MSRE students. MSRE 6101 Real Estate Seminar is a one credit hour course that students must take twice for credit before graduation. Students enrolled in the course will be required to participate in real estate trade organization meetings, engage in leadership and negotiation training, attend guest lecturers covering emerging trends in real estate and ethical business practices, and complete professional development seminars. MSRE 6102 is a study abroad experience that requires students to travel to an emerging international real

estate market and examine local real estate development practices over the course of one week.

Admission to Candidacy

Application for Admission to Candidacy form listing graduate-level courses that apply to the degree must be submitted to the Director of the MSRE program four weeks prior to the start of the semester in which the student plans to complete the course work for the degree.

Application for Degree

An Application for Degree form must be submitted to the Graduate School by the published deadline.

Assistantships

A limited number of assistantships are available each year. In order to be competitive, applications should be submitted by March 15. Additional information is available in the office of the Center for Real Estate and on the Graduate School website.

Advising

Advising is done by the Director of the MSRE program.

Transfer Credit

Up to six hours of appropriate graduate credit may be accepted for transfer from another AACSB-accredited (or equivalent) graduate program. Only courses where grades of “B” or better have been earned will be considered. Approval of the Program Director and the Graduate School is also required. All other Graduate School policies regarding transfer credit apply.

Program Certifications/ Accreditation

The MSRE Program and all degree and certificate programs offered by the Belk College of Business are accredited by the Association to Advance Collegiate Schools of Business (AACSB-International).

Courses in Real Estate

MSRE 5110, Foundations of Economics (3).

Cross-listed as MBAD 5110. This course focuses on topics related to the scope and methodology of economics as a social science, the analysis of markets, the development of market structure, the characteristics of market failure, problems of economic concentration, the theory of income distribution, the measurement of national

income, the theory of national income determination, money and banking, monetary and fiscal policy, and international economics. (Fall, Spring)

MSRE 5131, Fundamentals of Financial Accounting and Financial Management (3).

Cross-listed as MBAD 5131. Accelerated and in-depth study of conceptual foundations and applications of financial accounting and financial management with emphasis placed on building accounting and finance information bases for external decision making. (Fall, Spring)

MSRE 6101, Real Estate Seminar (1).

This course is designed to provide students with exposure to emerging trends in the real estate industry. Students are required to participate in real estate trade organization meetings, engage in leadership and negotiation training, attend guest lecturers covering real estate trends and ethical business practices, and complete professional development seminars. (Fall, Spring)

MSRE 6102, International Real Estate Study Tour (3).

Students participating in the course will travel to an international city to study real estate development. Opportunities and challenges in the regional real estate market will be explored through the completion of a series of study tours, presentations, reading assignments and short essays. Emphasis will be placed on issues such as urban planning, sustainable growth, economic development and global market integration. (Yearly)

MSRE 6120, Real Estate Law and Land Use Policy (3).

Prerequisite: MSRE 5110 and MSRE 5131. This course provides an overview of common legal issues involved in the acquisition, development, financing, ownership and operation of real estate assets. Emphasis is placed on legal forms of ownership, real estate sale and lease transactions, and government regulation and taxation of land. (Yearly)

MSRE 6130, Site Planning, Building Design and Construction Fundamentals (3).

This course will introduce essential principles of site planning, design and construction. Special emphasis will be placed on programming and sustainability issues for different project types. The nature and characteristics of construction materials, equipment, and systems used in modern buildings will be presented and how they affect function and feasibility. (Yearly)

MSRE 6152, Financial Management (3).

Prerequisite: MSRE 5110 and MSRE 5131. Cross-listed as MBAD 6152 and FINN 6152. Theory and practice of corporate finance including asset management, cost of capital and capital budgeting, optimization programs and socio-economic aspects of financial management. Computer technology may be employed when applicable. (Fall, Spring)

MSRE 6158, Real Estate Finance and Investment (3).

Prerequisite: MSRE 5110 and MSRE 5131. Cross-listed as MBAD 6158. This course focuses on the techniques used to analyze, finance and structure real estate transactions. Topics include: an overview of the real estate space and capital markets; the techniques of financial analysis and valuation; project ownership structures, taxation and financial structure; real estate in an investment portfolio; and determining the financial feasibility of real estate development. (Yearly)

MSRE 6159, Real Estate Development (3).

Prerequisite: MSRE 5110 and MSRE 5131. Cross-listed as MBAD 6159, GEOG 6103 and ARCH 5068. This course focuses on an introduction to the real estate development process. The course focuses on the identification and evaluation of the critical assumptions and issues related to market and site feasibility, financial feasibility, planning, acquisition, and operation of economically viable commercial real estate projects. Students will work in groups on a semester project to select a site and prepare an appropriate development plan that emphasizes the market and financial feasibility of the real estate development. (Yearly)

MSRE 6160, Real Estate Capital Markets (3).

Prerequisite: MSRE 6152. Cross-listed as MBAD 6160. This course focuses on techniques used to analyze, finance and structure real estate transactions, and emphasizes the role of the capital markets in facilitating development and investment in commercial real estate. Topics include: real estate in an investment portfolio; valuation and investment for direct (private) real estate equity investment including coverage of valuation using real options methodology; primary and secondary commercial mortgage markets (CMBS); and, analysis of publicly trade equity real estate investment trusts (REITs). (Yearly)

MSRE 6220, Financial Analysis of Development (3).

This course provides students with the analytical and computer skills necessary to evaluate the financial feasibility of complex value added real estate development projects, including land development, commercial and housing development. Accounting and taxation issues influencing the financial viability of real estate development projects will also be considered. (Yearly)

MSRE 6230, Construction Management (3).

This course addresses the various roles and responsibilities of the contractor and construction manager in the development process including discussion of the owner/designer/constructor relationship. Emphasis is placed on sustainable design and other public policy objectives advanced by specific types of development, as well as the role the public sector may play in the success of real estate projects. (Yearly)

MSRE 6250, Advanced Urban and Regional Economics (3).

Prerequisite: MSRE 5110 and MSRE 5131. Cross-listed as ECON 6250. Applications of microeconomic theory to problems of cities, metropolitan areas and regions, methods

in regional analysis, location theory, land-use planning, measurement of economic activity; transportation, housing, poverty and growth issues. (Yearly)

MSRE 6258, Site Feasibility Analysis (3).

Prerequisite: MSRE 5110 and MSRE 5131. Cross-listed as MBAD 6258 and GEOG 6102. Examination of factors affecting the feasibility of land parcels for commercial and residential development with emphasis on the physical evaluation of a given site, the market support for its intended use and the financial support for the proposed development. (Yearly)

MSRE 6999, Real Estate Capstone (3).

Prerequisite: All required courses in the preparatory and functional components of the MSRE curriculum must be completed before taking MSRE 6999. This course is designed to bring together the topics covered in the MSRE program and examine how they relate to each other. Students will complete applied group projects, as well as conduct independent research, to explore issues of interest to the real estate industry. All of these projects will encourage students to develop their leadership and negotiation skills, as well as consider ethical issues commonly faced by real estate professionals. (Yearly)

MSRE 7999, Master's Degree Graduate Residency Credit (1). (Fall, Spring, Summer)

Appendix B: Letters of Industry Support

Ron Curtis
Commercial Real Estate East Division Executive

December 1, 2009

Dr. Steven Ott
Interim Dean for the Belk College of Business
University of North Carolina at Charlotte | Belk College of Business
9201 University City Blvd
Charlotte, NC 28223-0001

Dear Dr. Ott:

I am excited to hear that the administration at the University of North Carolina at Charlotte plans to deepen its commitment to real estate education by developing a full-time interdisciplinary MSRE program. A graduate program to grow and develop the next generations of real estate leaders is needed in the Charlotte region. Students will benefit from a program that exposes them to the issues inherent in the real estate industry, as well as helps them obtain practical experience in a rapidly growing urban area.

At Bank of America Merrill Lynch, we are constantly seeking ways to recruit highly talented people to our company. Real Estate is a challenging area to staff because it is a highly specialized field that requires local market knowledge and experience to be successful. I appreciate your consideration of an advanced degree program focused on real estate and believe that it will have a significant impact on the future of our industry.

Sincerely,



Ron Curtis
Managing Director

Tel: 980.386.5376 • Fax: 312.453.5370
ron.curtis@bankofamerica.com

Bank of America, N.A., NCI-007-11-15
100 North Tryon Street, Charlotte, NC 28255

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TODD W. MANSFIELD
Chairman and
Chief Executive Officer

t (704) 561-5307 f (704) 676-1585
tmansfield@crosland.com

December 9, 2009

Steven H. Ott
John Crosland, Sr., Distinguished Professor
of Real Estate
Director, Center for Real Estate
UNC Charlotte
Belk College of Business
Friday 252
9201 University City Blvd.
Charlotte, NC 28223

Dear Professor Ott:

As a member of the Center for Real Estate's Advisory Board, I am pleased to provide this letter in support of a full-time Master of Science or MBA in Real Estate program at UNC Charlotte. The program will greatly benefit the regional business community by offering an intense and comprehensive level of training in real estate finance and development that is currently unavailable in North Carolina. I believe graduates of the program will be well received in the employment market and our firm looks forward to drawing upon these students in our own recruitment efforts in the future.

Sincerely,

Todd W. Mansfield

TWM/ss



WACHOVIA

December, 1, 2009

Mr. Steven H. Ott, Distinguished Professor
Of Real Estate
Director, Center for Real Estate
UNC Charlotte/Belk College of Business
Friday 252 / 9201 University City Boulevard
Charlotte, NC 28223

Dear Steve,

It is great news to hear the Master of Science in Real Estate program is moving through the approval process at UNC Charlotte. Notwithstanding the current turmoil in both the commercial and residential real estate markets, I think this program will be a very valuable long term asset to UNCC, Charlotte, and the real estate industry. As much now as ever, specialized coursework is needed to satisfy the evolving needs of the real estate industry, and I believe the proposed program will allow UNC Charlotte to further distinguish itself within this field.

The graduates of this program can fulfill a need for talented real estate professionals at Wachovia/Wells Fargo as well as for other major financial and real estate development companies in the Southeast. I fully support the proposed program and hope to participate in its future development.

Sincerely,

A handwritten signature in dark ink, appearing to read "Wayne A. Osella". The signature is fluid and cursive.

Wayne A. Osella
Senior Vice President

CHILDRESS KLEIN
P R O P E R T I E S

December 1, 2009

Steven H. Ott, John Crosland, Sr., Distinguished Professor
of Real Estate
Director, Center for Real Estate
UNC Charlotte | Belk College of Business
Friday 252 | 9201 University City Blvd.
Charlotte, NC 28223

Dear Steve:

As a member of the Charlotte real estate community, I am very pleased to hear that UNC Charlotte is considering a full-time masters program in real estate. I feel strongly that a graduate level program, which focuses specifically on real estate finance and development, will be a valuable addition to the coursework already offered at the Belk College of Business. Ongoing growth throughout Charlotte and the surrounding region has created a need for well trained real estate professionals and I believe the proposed program will provide specialized skills demanded by employers, such as Childress Klein. I look forward to learning more about the program and I am happy to assist in its development.

Sincerely,



Fred W. Klein
Managing Partner

/bb

301 South College Street
Suite 2800
Charlotte, North Carolina 28202

704-342-9000
(fax) 704-342-9039

Appendix C: Market Demand Survey Results

1. Please rank the importance of each of the course topics listed below to a successful graduate program in real estate.

Course Topic	Not Very Important	Somewhat Important	Important	Essential	Rating Average	Response Count
Building Design and Construction Principles	3.3% (2)	23.3% (14)	45% (27)	28.3% (17)	2.98	60
Geographic Information Systems	6.7% (4)	41.7% (25)	41.7% (25)	10.0% (6)	2.55	60
Market and Feasibility Analysis	0.0% (0)	3.4% (2)	23.7% (14)	72.9% (43)	3.69	59
Real Estate Capital Markets	0.0% (0)	13.6% (8)	39.0% (23)	47.5% (28)	3.34	59
Real Estate Development	0.0% (0)	1.7% (1)	26.7% (16)	71.7% (43)	3.70	60
Real Estate Finance and Investment	0.0% (0)	0.0% (0)	18.6% (11)	81.4% (48)	3.81	59
Real Estate Law	0.0% (0)	8.5% (5)	52.5% (31)	39.0% (23)	3.31	59
Land Use Policy	0.0% (0)	13.6% (8)	52.5% (31)	33.9% (20)	3.20	59
Real Estate Valuation	0.0% (0)	6.8% (4)	44.1% (26)	49.2% (29)	3.42	59
Site Planning and Infrastructure Design	0.0% (0)	18.3% (11)	50.0% (30)	31.7% (19)	3.13	60
Urban and Regional Economics	3.3% (2)	28.3% (17)	51.7% (31)	16.7% (10)	2.82	60
Housing Markets	0.0% (0)	28.3% (17)	50.0% (30)	21.7% (13)	2.93	60
Asset Management	1.7% (1)	32.2% (19)	50.8% (30)	15.3% (9)	2.80	59
Real Estate Accounting	1.7% (1)	23.3% (14)	36.7% (22)	38.3% (23)	3.12	60
Real Estate Taxation	1.7% (1)	32.2% (19)	37.3% (22)	28.8% (17)	2.93	59
Construction Management	6.7% (4)	26.7% (16)	40.0% (24)	26.7% (16)	2.87	60
Mixed Use Development	0.0% (0)	20.0% (12)	56.7% (34)	23.3% (14)	3.03	60
Public-Private Partnership Development	1.7% (1)	26.7% (16)	53.3% (32)	18.3% (11)	2.88	60
Public Sector Real Estate Development	5.1% (3)	49.2% (29)	37.3% (22)	8.5% (5)	2.49	59
Negotiation Strategies and Deal-Making	0.0% (0)	13.8% (8)	51.7% (30)	34.5% (20)	3.21	58
Leadership and Ethics	6.7% (4)	30.0% (18)	33.3% (20)	30.0% (18)	2.87	60
New Urbanism	8.3% (5)	48.3% (29)	38.3% (23)	5.0% (3)	2.40	60
Environmentally Sound Development/ Sustainable Design	6.7% (4)	30.0% (18)	51.7% (31)	11.7% (7)	2.68	60
Historic Preservation	23.3% (14)	50.0% (30)	23.3% (14)	3.3% (2)	2.07	60
Entrepreneurship	1.7% (1)	20.0% (12)	45.0% (27)	33.3% (20)	3.10	60
Raising Capital through Private Placements	5.0% (3)	21.7% (13)	53.3% (32)	20.0% (12)	2.88	60
Global Real Estate Markets	5.0% (3)	46.7% (28)	31.7% (19)	16.7% (10)	2.60	60
Property Management	3.3% (2)	46.7% (28)	35.0% (21)	15.0% (9)	2.62	60
Marketing and Leasing	1.7% (1)	20.3% (12)	49.2% (29)	28.8% (17)	3.05	59

2. Please identify whether you believe each of the course topics listed below should be indicated in the required or elective curriculum of a graduate real estate program.

Course Topic	Required Curriculum	Elective Curriculum	Neither	Rating Average	Response Count
Building Design and Construction Principles	37.3% (22)	61.0% (36)	1.7% (1)	1.64	59
Geographic Information Systems	21.7% (13)	68.3% (41)	10.0% (6)	1.88	60
Market and Feasibility Analysis	89.7% (52)	8.6% (5)	1.7% (1)	1.12	58
Real Estate Capital Markets	58.6% (34)	39.7% (23)	1.7% (1)	1.43	58
Real Estate Development	84.5% (49)	15.5% (9)	0.0% (0)	1.16	58
Real Estate Finance and Investment	93.2% (55)	6.8% (4)	0.0% (0)	1.07	59
Real Estate Law	62.7% (37)	33.9% (20)	3.4% (2)	1.41	59
Land Use Policy	50.0% (30)	48.3% (29)	1.7% (1)	1.52	60
Real Estate Valuation	63.3% (38)	36.7% (22)	0.0% (0)	1.37	60
Site Planning and Infrastructure Design	42.4% (25)	54.2% (32)	3.4% (2)	1.61	59
Urban and Regional Economics	34.5% (20)	60.3% (35)	5.2% (3)	1.71	58
Housing Markets	28.8% (17)	67.8% (40)	3.4% (2)	1.75	59
Asset Management	28.8% (17)	69.5% (41)	1.7% (1)	1.73	59
Real Estate Accounting	52.5% (31)	45.8% (27)	1.7% (1)	1.49	59
Real Estate Taxation	30.5% (18)	69.5% (41)	0.0% (0)	1.69	59
Construction Management	28.3% (17)	61.7% (37)	10.0% (6)	1.82	60
Mixed Use Development	15.5% (9)	77.6% (45)	6.9% (4)	1.91	58
Public-Private Partnership Development	25.9% (15)	67.2% (39)	6.9% (4)	1.81	58
Public Sector Real Estate Development	13.6% (8)	72.9% (43)	13.6% (8)	2.00	59
Negotiation Strategies and Deal-Making	35.6% (21)	59.3% (35)	5.1% (3)	1.69	59
Leadership and Ethics	52.5% (31)	35.6% (21)	11.9% (7)	1.59	59
New Urbanism	0.0% (0)	82.5% (47)	17.5% (10)	2.18	57
Environmentally Sound Development/ Sustainable Design	19.0% (11)	75.9% (44)	5.2% (3)	1.86	58
Historic Preservation	3.4% (2)	69.5% (41)	27.1% (16)	2.24	59
Entrepreneurship	33.3% (20)	60.0% (36)	6.7% (4)	1.73	60
Raising Capital through Private Placements	13.6% (8)	76.3% (45)	10.2% (6)	1.97	59
Global Real Estate Markets	27.1% (16)	66.1% (39)	6.8% (4)	1.80	59
Property Management	21.7% (13)	73.3% (44)	5.0% (3)	1.83	60
Marketing and Leasing	31.7% (19)	61.7% (37)	6.7% (4)	1.75	60

3. Please rank the importance of each of these features to a successful graduate program in real estate.

Feature	Not Very Important	Somewhat Important	Important	Essential	Rating Average	Response Count
Internships with Firms in the Charlotte Region	3.3% (2)	15.0% (9)	41.7% (25)	40.0% (24)	3.18	60
Independent Study Projects	1.7% (1)	16.7% (10)	48.3% (29)	33.3% (20)	3.13	60

International Study and/or Market Tours	23.3% (14)	36.7% (22)	28.3% (17)	11.7% (7)	2.28	60
Graduate Research Thesis	15.0% (9)	36.7% (22)	36.7% (22)	11.7% (7)	2.45	60

4. Are there any other important features you would like to see added to a graduate program in real estate at UNC Charlotte?

Respondent #	Comment Text
1	Elective class for Engineering basics related to Real Estate.
2	Use of Argus cash flow modeling real world development analysis. Outside-professional speaker program
3	The art of "cold calling"; Public speaking; The role of local governments and planning departments in your next re-zoning; The re-zoning process; Lease vs. buy analysis in commercial space.
4	Residential development electives
5	Team/class projects that work in conjunction with real firms doing real projects. I had a similar class at a previous university where we did marketing research for a local company that needed the work completed. The real world examples and working with real teams can't be beat.
6	I believe real estate and infrastructure development around the world, including the US, must begin to understand the impact of climate change, particularly global warming, on current and future development. Ex: Rising ocean levels will require rethinking development along our present coasts. This will impact existing infrastructure such as bridges, tunnels, roads etc. With rising ocean levels, bridges, road ways and communities need to be relocated further inland or will be lost all together to time. Alaskan Island communities are being wiped off the face of the planet.
7	The CCIM and MAI curriculums are outstanding and universally known. An MS program that JVs with these two institutes whereby classes qualify toward designation requirements upon graduation. Then 3-7 years of practical experience would remain for designation. Columbia University has an outstanding MSRED program.
8	We hire undergraduate and graduate RE grads from IU and other universities to be financial analysts and commercial mortgage bankers. We find the best prepared students have served internships in real estate oriented companies. Look at the "co-op" program NC State has for its engineering students as a model. It works extremely well as the students can combine real world experience with real time learning. Also, grads usually have a job waiting which helps the department placement statistics and increases desire for students to enroll in the program. We have found that mature industry professionals that have been successful in commercial real estate have usually taken Appraisal Institute Courses, usually Appraisal Principles, Appraisal Procedures and an income capitalization course. You might look at these courses, discard what doesn't apply and develop a course that digs deep into real estate valuation. It is the basis of all commercial real estate professions. I would also suggest you have a core curriculum with areas of emphasis in residential real estate development, commercial real estate development, real estate finance (heavy into construction and permanent finance, capital markets),

8 (cont.)	<p>"green" real estate development (App State's "Sustainable Development"), property leasing and management, etc. A course in ethics should be mandatory. Ideas: most students have never explored their personality style and do not know the basics of sales techniques. All students need to understand their personality style (dominant, expressive, analytical, amiable - this is one paradigm). Most students will not choose sales as a primary career but all will need to understand sales and negotiating techniques. Combining an understanding of personality styles and selling techniques usually results in a more successful businessperson. Observations: we are finding that recent grads often do not have business phone skills or meeting social skills. This is the result of increased IM/text messaging and the use of e-mail. We have actually had to give a new hire a short course in how to make a business phone call. A one day seminar on this would help most students.</p>
9	<p>Most positions available to students coming out of MSRE programs often have asset or project management responsibilities. I would make sure that the curriculum provides good tools for candidates seeking these types of positions. Assuming the main focus is development, key aspects for the program should include law, finance/investment, project management, asset management, capital markets, and urban policy. Given the number of programs that focus on real estate finance, I would also keep it development focused.</p>
10	<p>Basic economics and finance for students not trained in these areas</p>
11	<p>Please continue to introduce students to real estate professionals and firms within the program. It is very valuable exposure for us and a great networking tool. You should consider educating students more about architectural/ engineering design of buildings as I find that some developers have very limited knowledge of the building codes and try to save money by creating unsafe conditions. (Yes, I am a structural engineer.) As far as internships go, remember that many of the current MBA students work full time so internships are not an option for us as we have bills to pay.</p>
12	<p>I believe that moving forward, the international real estate market(s) and issues are going to become more important as investments, for development, as well as environmentally sound development issues and ideas. These should have more weight than they have now.</p>
13	<p>Two things of note: 1) The #1 thing I would like to see focused on is "The Art of Deal-Making." We need to know the parts of the deal, but I would recommend more time be spent on bringing it all together. 2) I would reduce focus on Property Management and increase focus on Asset Management.</p>
14	<p>Have students compete in national case competitions. Include interaction with Real Estate related professional organizations to supplement lack of graduate career fairs held by UNCC. Joint school research on real estate topics of importance with another highly ranked MSRE offering University.</p>
15	<p>An internship to get hands-on real world experience is imperative.</p>
16	<p>The combination of a graduate research project and local internship can work well in a masters program (e.g. internship driven research projects)</p>

17

I think the program needs to create a solid background for any individual looking for a career in real estate. RE Finance is a broad but essential area that needs to be a part of any Graduate RE program but there should be equal focus on RE asset management, law, accounting, and construction.

5. Please identify your relationship with the Center for Real Estate at UNC Charlotte.

Group	Response Count	Response Percent
Advisory Board Member (15%)	9	15.0%
Real Estate Program Alumnus (26.7%)	16	26.7%
Current Student (25.0%)	15	25.0%
Other (33.3%)	20	33.3%

Appendix D: Faculty Curricula Vitae

CURRICULUM VITAE

JOSE L.S. GAMEZ

c/o College of Architecture
The University of North Carolina at Charlotte
9201 University City Boulevard
Charlotte, NC 28223-0001

(704) 687 4028 office
jlgamez@email.uncc.edu

www.josegamez.com

EDUCATION

Doctor of Philosophy in Architecture

1999 University of California,
Los Angeles

Master of Architecture

1992 University of California, Berkeley

Bachelor of Environmental Design

1989 Texas A&M University,
College Station *CUM LAUDE*

ACADEMIC EXPERIENCE

Assistant Professor of Architecture
Graduate Coordinator, College of Architecture
Latin American Studies Faculty Affiliate
The University of North Carolina at Charlotte

2002 to the Present
2004-2008

Assistant Professor of Architecture
School of Architecture
and
Interim Chair, Latin American Studies
University of Nevada, Las Vegas

1999-2002

2002-*spring*

Assistant Professor of Architecture
Department of Architecture, Portland State University

1998-1999

Adjunct Assistant Professor of Architecture
Department of Architecture, Portland State University

1998-*winter, spring*

Teaching Assistant to:
Lecture Courses: Dana Cuff, Sylvia Lavin
Studio Courses: Mark Mack, Ben Refuerzo
Department of Architecture & Urban Design, University of California, Los Angeles

1994-1997

Research Assistant to Dana Cuff
Department of Architecture & Urban Design, University of California, Los Angeles

1996-*spring*

Research Assistant to Josephine Ramirez
The Getty Research Institute for the History of the Arts and Humanities
Los Angeles, CA

1996-*fall*

PROFESSIONAL EXPERIENCE

NCARB/IDP Council Record #

2004 Record Complete

Designer
Assemblage Studio, Las Vegas, NV.

1999 to the present

Independent Design Consultant Los Angeles, CA / Portland, OR	1997-1999
Archivist and Researcher Zaha Hadid Architects-London/Museum of Contemporary Art, Los Angeles	1995-summer
Architectural Associate I San Francisco Housing Authority, San Francisco, CA	1993-1994
Architectural Intern Van Meter Williams Pollack Architecture + Urban Design, San Francisco, CA	1992-1993
Architectural Intern CES Japan, Tokyo	1991-summer

PUBLICATION HISTORY

a) Edited Books:

CriticalMASS Volume III. The third in a series of books documenting the regional graduate student symposium held annually in the College of Architecture at the University of North Carolina at Charlotte. Volume III features 14 student project profiles and the work of Rafael Moneo and Sharples Holden Pasquerelli (forthcoming in 2008). Nick Ault, co-editor.

CriticalMASS Volume II: Southern Accents. The second in a series of books documenting the regional graduate student symposium held annually in the College of Architecture at the University of North Carolina at Charlotte. Volume II features 21 student project profiles, an essay by Mark and Peter Anderson, Rick Joy, Bryan Mackay-Lyons, and Glenn Murcutt (Charlotte: College of Architecture, The University of North Carolina at Charlotte, 2006).

Postcards to a Shifting Landscape: Paintings by Ramón Ramírez. Exhibit catalog for "Postcards from a Shifting Landscape," an exhibit held at Woodbury University in Burbank, CA on March 30 through April 21, 2007 (Los Angeles: Woodbury University/Jaguarland Press, 2007). Nick Ault, co-editor.

[MONUMENT 10]: Reflections on a Metropolitan Condición. Exhibit catalog for [MONUMENT 10], A Silkscreen Project by Ramón Ramírez, held at the Latino Museum in Pomona, CA on November 4 through December 2, 2006 (Los Angeles: Jaguarland Press, 2007).

b) Articles and Essays in Books:

"Mapping East Los Angeles: Aesthetics and Cultural Politics in an Other LA." Forthcoming in Writing Urbanism: A Design Reader edited by Douglas S. Kelbaugh and Kit McCullough at the University of Michigan (London: Routledge, 2008).

"Mi reina: Latinos in the Queen City." Forthcoming in Global Charlotte edited by Heather Smith at the University of North Carolina at Charlotte (Athens: University of Georgia Press, 2008).

"Building Border Practices: In/Visibility in the New (Latin) American South." Forthcoming in Site Out of Mind, edited by Phoebe Chrisman at the University of Virginia (2008).

"An Architecture of Change." Forthcoming in Good Deeds/Good Design II, edited by Bryan Bell (New York: Princeton Architectural Press, 2007).

"A Pair of Queens: Latina/o Landscapes in LA and the QC." Forthcoming in Latino Urbanism, edited by David R. Diaz (Baltimore: John Hopkins University Press, 2007).

"Harry Gamboa, Jr.," "Gronk," and "Los Lobos" in Grolier/Scholastic Library of Hispanic American Biographies (London: Brown Reference Group Volumes 4 & 5, 2006) 4, 65, 45-6.

"Afterword" in Dreaming of Italy: Las Vegas and the Grand Tour (Reno: University of Nevada Press, 2004) 147-9.

"CARA Exhibit," "Latino Architecture and Urbanism," and "Olvera Street," in Encyclopedia of Latina and Latino Popular Culture in the United States, Volume I (Westport, Connecticut/London: Greenwood Publishing Group, 2004) 106, 34, 600.

Commentary/Review: Ramón Ramírez--Notes on Migrancy and Exile (1997) in Contemporary Chicana and Chicano Art: Artists, Works, Culture, and Education, Volume II. Gary D. Keller, Mary Erickson, Kaytie Johnson, and Joaquín Alvarado, Principal Editors (Tempe: Bilingual Press, 2002) 219.

c) Articles and Reviews in Peer Reviewed Journals:

José Gámez. Book Review: Valparaiso School: The Open City Group by Perez de Arce and Perez Oyarzun, in the *Journal of Architectural Education*, Volume 58, Number 3: 55-56 (spring 2005).

"Building Faith? Moneo's Design for the Cathedral of Our Lady of the Angels Struggles to Bring the Gospel to Downtown L.A.," in *Aztlán: A Journal of Chicano Studies*, Volume 29, Number 1: 261-270 (spring 2004).

"Representing the City: the Imagination and Critical Practice in East Los Angeles," in *Aztlán: A Journal of Chicano Studies*, Volume 27, Number 1: 95-120 (spring 2002).

Book review: *Buildings of Nevada* by Julie Nicoletta, in the *Nevada Historical Society Quarterly*, Volume 45, Number 1: 66-67 (spring of 2002).

"Mi casa: Snapshots of Life in an Other LA" in *Places: A Forum of Environmental Design*, Volume 11, Number 1: 66-67 (winter 1997).

"Latino Cultures in Los Angeles and the Hybridization of Space" in *Surface, Volume I: re:Forming Social Space* 104-11 (1996) with Mariana Boctor and José Fontiveros.

d) Essays in Professional Journals:

"Learning From Las Vegas: Review" in *Architecture Las Vegas: the Official Publication of the Las Vegas Chapter of the American Institute of Architects*, Issue 5: 77 (2005).

e) Work Profiled by Others:

"Mesquite Cultural Heritage and Art Center," images of rammed-earth study model to be published in Models by Mark Morris (Amsterdam: Architectural Press, 2006).

"On Immigrant Street: Newcomers are Making a Big Impact on the Built Environment;" essay by James B. Goodno examining the impacts of immigrant-based transformation upon urban environments for which I was interviewed and that features imagery from my fall 2003 community

design studio. The essay appeared in *Planning: The Magazine of the American Planning Association*, Volume 71, Number 10: 4-9 (November 2005).

"Mesquite Cultural Heritage and Art Center" in *New Museums: Contemporary Museum Architecture Around the World* by Mimi Zeiger (New York: Universe Architecture Series, 2005) 142-147.

"Lynn Bennett Early Childhood Education Center," profile of award winning design project (Merit Award, Built Category, 2004 Nevada AIA Design Awards) in *Architecture Las Vegas: the Official Publication of the Las Vegas Chapter of the American Institute of Architects*, Issue 5: 57 (2005).

"Timeline of the Las Vegas Strip" published in *The Portfolio: An Architectural Student's Handbook*. Igor Marjanovic, Katerina Ruedi Ray, and Lesley Naa Norle Lokko, editors (Oxford: Architectural Press, 2003) p. 67, figure 4.9.

f) Web-based Publications:

Casas del Quinto Sol Housing Competition winning entry (2007) featured on Earth Architecture's web site, which is a database of research, design and information on earth architecture and its use in contemporary architectural practices. Site address: <http://www.eartharchitecture.org/>

Mesquite Heritage Museum and Art Center, Mesquite, NV (assemblageSTUDIO). Design project published by *Architectural Record* (on-line) under the Projects: Building Types Study featuring small museums. Site address: http://archrecord.construction.com/projects/bts/archives/museums/0401_mesquite/overview.asp.

"Building/Border/Culture: Charlotte as the Gateway to the New (Latin) American South." Studio related materials published by Universal Design Education Online and sponsored by Adaptive Environments, MA, and the National Endowment for the Arts. Site address: <http://www.education.org/teach/asj/gamez.asp>.

g) Invited Essays:

"A Note on a Lost Ecology...(Postcard to a Shifting Landscape)" in the exhibit catalog for "Postcards from a Shifting Landscape," an exhibit held in the Wedge Gallery at Woodbury University in Burbank, CA on March 30 through April 21, 2007.

"[MONUMENT 10]: Reflections on a Metropolitan Condición" in the exhibit catalog for [MONUMENT 10], A Silkscreen Project by Ramón Ramírez, held at the Latino Museum in Pomona, CA on November 4 through December 2, 2006.

"Accidents Should Happen: or why we should still learn from Las Vegas" in *CoA News*, College of Architecture, UNC Charlotte, Volume 5, Number 1, fall 2005. 8.

José Gámez. "Autopsy of the Big Box," in *Las Vegas Life Magazine*, Volume 7, Number 2: 41-44 (November 2003).

h) Reports:

Final Report: Architecture for Social Justice Awards Program—Partnerships in Teaching Building/Border/Culture: Charlotte as the Gateway to the New (Latin) American South.

Charlotte, NC: Charlotte Community Design Studio/College of Architecture, the University of North Carolina at Charlotte, 3-1-2004.

New Investigator Grant Final Report: Re-Learning from Las Vegas. Las Vegas: School of Architecture/University of Nevada, 4-1-2001(with Jeff Hartnett, UNLV).

i) Editorial Roles:

Senior Editor, *criticalMASS* Volume II: Southern Accents 2004-2006
Series of books documenting the regional graduate student symposium held annually in the College of Architecture at the University of North Carolina at Charlotte.

Editorial Board Member, *Architecture Las Vegas* 2000-2002
Editorial board member for the official publication of the Las Vegas and Nevada Chapters of the American Institute of Architects. Premier issue: January 2000 (Nationally distributed).

Editorial Board Member, *Citylife Magazine* 2000
Editorial board member for *Citylife Magazine* and its special design issue.

Co-Editor. *Surface Journal: Journal of the Department of Architecture and Urban Design*, School of the Arts and Architecture—University of California, Los Angeles. Number 1, Volume 1, 1997 (Re:Forming Social Space).

Editorial Board Member, *Surface Journal* 1994-1998
Co-founder and Co-Editor of the journal of the Department of Architecture & Urban Design-UCLA.

j) Conference Proceedings:

"A Tale of Three Cities" in Proceedings of the 2006 ACSA Western Regional Conference in Burbank, California (Woodbury University) on October 12-15, 2006 (Burbank: Woodbury Department of Architecture, 2006).

"Beginning/Finishing School: A Room from Two Views," in *Proceedings of the 2003 Southeast Regional Conference* (Tampa, FL: University of South Florida—School of Architecture and Community Design, 2004) with Elizabeth Morrison, MArch, UNCC 2004 (electronic/cd publication).

"Architectures of Identity: Postcolonial Resistance in East LA," in *Proceedings of the 2001 ACSA International Conference* (Washington D.C.: ACSA Press, 2001) 65-68.

"Cruising Las Vegas: At HOME in the LAND of Sprawl, Spectacle, and Silence," in *Proceedings of the 2000 ACSA Southeast Regional Meeting* (Charlotte: College of Architecture/University of North Carolina at Charlotte, 2000) 87-90. *With Jeff Hartnett, UNLV.*

"Re:Building the Past—Cultural Heritage, Race and Postcolonial Los Angeles" in *Proceedings of the 88th ACSA Annual National Meeting*, edited by LaVerne Wells-Bowie (Washington D.C.: ACSA Press, 2000) 310-315.

"Mapping East Los Angeles: Aesthetics and Cultural Politics in an Other LA," in *Proceedings of the 88th ACSA Annual National Meeting*, edited by LaVerne Wells-Bowie (Washington D.C.: ACSA Press, 2000) 399-405.

"Will Any Assemblage Do?" in *Proceedings of the 1999 ACSA Western Regional Meeting*, edited by Alison B. Snyder and Christine Theodoropoulos (Eugene: University of Oregon/Department of Architecture, 1999) 5-8.

"Re:Building the Past: Cultural Heritage, Race and the City," in *Proceedings of the 1999 ACSA Western Regional Meeting*, edited by Alison B. Snyder and Christine Theodoropoulos (Eugene: University of Oregon/Department of Architecture, 1999) 106-110.

"Es mi casa su casa? An Other Space in East LA," in *Proceedings of the 84th ACSA Annual Meeting*, edited by John K. Edwards (Washington D.C.: ACSA Press, 1996) 429-434.

k) Academic Citations:

Cited in Barrio Urbanism: Chicanos, Planning, and American Cities. David R. Díaz. London: Routledge, 2005 (cited in chapters 3, 11, and extensively in chapter 7).

Cited in The Branding of Cities: Exploring City Branding and the Importance of Brand Image. Julia Winfield-Pfefferkorn. Syracuse: Master of Arts in Advertising Design Thesis at the Graduate School of Syracuse University, August 2005. 142. (published paper available at brandchannel.com)

Cited in The Provisional City: Los Angeles Stories of Architecture and Urbanism. Dana Cuff. Cambridge: MIT Press, 2000. 108 (ftnt. 24).

Cited in Urban Exile: Collected Writings of Harry Gamboa, Jr.. Chon A. Noriega, Editor. Minneapolis: University of Minnesota Press, 1998. 19 (ftnt. 28).

AWARDS

First Place: Casas del Quinto Sol Housing Competition 2007

This HUD sponsored design competition called for a sustainable alternative to the existing colonia housing available in Vado/Del Cerro, New Mexico. This competition entry was developed with the help of a student team from the College of Architecture (UNCC) that included Brad Buter, Stephanie Orlich, Jessica Thomas, and Michael Ward.

Inductee, Hispanic Scholarship Fund Hall of Fame 2006

HSF honors five Latinos (selected from a national pool of nominees) each year whose accomplishments, contributions and lifetime challenges demonstrate the power of higher education and mentorship and personify the HSF mission.

Faculty Fellow, UNC Charlotte Urban Institute 2006-07

One of three University-wide positions awarded by the UNC Charlotte Urban Institute for research that seeks solutions for the social, economic, and environmental challenges facing our local communities.

Merit Award 2004

Awarded in the Built Category for the Lynn Bennett Early Childhood Development Center, UNLV, 2004 Nevada AIA Design Awards (Assemblage Studio, Las Vegas).

Honor Award 2003

Awarded in the Built Category for the Mesquite Heritage Museum and Art Center, 2003 Nevada AIA Design Awards (Assemblage Studio, Las Vegas).

Merit Award 2003
 Awarded in the Built Category for the Mesquite Heritage Museum and Art Center, 2003 Western Mountain Region AIA Design Awards (Assemblage Studio, Las Vegas).

Architecture for Social Justice Award:
 Partnerships in Teaching 2003
 Awarded by Adaptive Environments, Boston, MA, and the National Endowment for the Arts.

Fellow, Institute for Small Town Studies 2003-2005
 Invited research and design fellow with the Institute for Small Town Studies, Fairfield, IA.

College of Architecture Teaching Award 2003

Distinguished Alumnus 2002
 Named a Distinguished Alumnus of the Department of Architecture and Urban Design at the University of California at Los Angeles.

Honor Award 2001
 Awarded in the Unbuilt Category for the Lynn Bennett Early Childhood Development Center, 2001 Nevada AIA Design Awards (Assemblage Studio, Las Vegas).

Honor Award 2001
 Awarded in the Unbuilt Category for the Mesquite Heritage Museum and Art Center, 2001 Nevada AIA Design Awards (Assemblage Studio, Las Vegas).

Citation Award 2001
 Awarded in the Academic Category for the BRT Transit Shelter Proposal, 2001 Nevada AIA Design Awards (with Dan Chenin and Joseph Campenille).

Associates Award 2001
 Awarded in the 2001 Nevada AIA Service Awards

Citation Award 2001
 Awarded in the Unbuilt Category for the Mesquite Heritage Museum and Art Center, 2001 Western Mountain Region AIA Design Awards (Assemblage Studio, Las Vegas)

First Place December 2000
 Lynn Bennett Early Childhood Development Center Invited Design Competition (with Eric Strain, Architect). Design competition for a \$3.5 million childhood education facility to be located on the University of Nevada, Las Vegas campus.

First Place January 2000
 Las Vegas Arts Park Competition (with S. Coulter and D. Romano)

Honorable Mention April 1999
 Los Angeles Downtown Arts District Urban Design Competition (with A. Navarro and R. Ramirez).

GRANTS

Chancellor's Diversity Challenge Fund 2007 \$4,700.00
 Awarded funding to pursue a collaborative project with Heather Freeman (Department of Art, UNCC) in which issues of diversity and representation will be explored as a continuation of the collaborative research and teaching project previously funded by the Maxine Frankel Award (Woodbury University). Grant proposal co-authored with Heather Freeman.

UNC Teaching and Learning with Technology Collaborative Course Redesign Grant	2007	\$4,500.00
Member of an interdisciplinary collaborative teaching grant supporting research into the potential uses of web-based content for course development and redesign. The project aims to examine, evaluate, and explore Second Life to create a set of findings and recommendations about how Second Life can be used to redesign and/or augment entry level courses in three different colleges: Architecture, Computing and Informatics, and Education. Grant authored by Lorraine Stanton and Garvey Pyke, Faculty Center for Teaching and e-Learning, UNCC.		
Maxine Frankel Award, Woodbury University	2007	\$3,500.00
Co-recipient of the Woodbury University's School of Architecture and Design grant program in support of a collaborative research and teaching project focused upon Latino landscapes in both Charlotte and Los Angeles (with R. Ramirez, Adjunct Assistant Professor, Woodbury University).		
UNC Charlotte Urban Institute Research Stipend	2006-07	\$5,000.00
Awarded by the UNC Charlotte Urban Institute for research that seeks solutions for the social, economic, and environmental challenges facing our local communities.		
Virtual Charlotte: South End Pilot Planning Study	2006	\$24,000.00
Pilot grant funded by the Charlotte Mecklenburg Planning Commission and awarded to the UNCC/CoA Digital Design Lab and the UNCC Visualization Center for the development of an interactive 3-dimensional planning tool (w/ Bill Ribarsky).		
ImaginOn Grant	2005	\$5,000.00
Awarded to the College of Architecture at UNC Charlotte's Digital Design Lab by the ImaginOn Project (collaboration between the Charlotte Children's Library, Charlotte Children's Theatre, and the Discovery Museum) in support of computer visualization research and website development (José L.S. Gámez and Eric Sauda, UNCC).		
Academic Program Improvement Grant	2004	\$20,295.00
Awarded by the Office of the Vice Chancellor for Research and Federal Relations at the University of North Carolina at Charlotte in support of an initiative to expand the College of Architecture's computational design and fabrication curricular options (with Eric Sauda, UNCC).		
Graham Foundation Grant	2004	\$4,000.00
Funding awarded by the Graham Foundation for Advanced Studies in the Fine Arts in support of the College of Architecture at UNC Charlotte publication CriticalMASS Volume II.		
Faculty Research Grant	2003	\$5,580.00
Research grant awarded by the Graduate School of the University of North Carolina at Charlotte in support of research focusing upon the role of place-consumption in urban spaces.		
Design Arts Grant	May 2001	\$7,500.00
Grant awarded by the Nevada Arts Council in support of the AIA/ASLA summer design lecture series (with Eric Strain, co-author).		
Jackpot Grant	May 2001	\$500.00
Grant awarded by the Nevada Arts Council in support of "siteAlternatives," an exhibition of the design work of Eric Strain, Doug Schneider, Adrian Jones, and José Luis Gámez.		
New Investigator Grant	April 2000-March 2001	\$10,000.00
Grant award granted by the Office of the Provost for Research at UNLV in support of a research project aimed at documenting the urban fabric of the Las Vegas metropolitan region and up-dating the book, <i>Learning from Las Vegas</i> .		

Grant Recipient	Spring 1998	\$1,000.00
Awarded grant funding in support of the 1 st Annual Urban Architecture Symposium, Portland State University.		
Dissertation Year Fellow	Fall/Spring 1997	\$12,000.00
Recipient (one of 10) of Graduate Division Doctoral Year Fellowship in support of doctoral research at the University of California, Los Angeles.		
Graham Foundation Grant Co-Recipient	1995	\$7,000.00
Co-Recipient of a Graham Foundation grant in support of the publication of <i>Surface: the Journal of the Department of Architecture & Urban-UCLA</i> .		

DESIGN COMPETITIONS, COMMISSIONS AND OTHER CREATIVE WORK

Curator, Postcards from a Shifting Landscape	March 30-April 21, 2007
Exhibition of collaborative research and creative efforts by R. Ramírez and a team of students from Woodbury University's Architecture and Design program (project funded by the Maxine Frankel Award, Woodbury University) and hosted in Woodbury's Wedge Gallery.	
RIBA Sustainable Urbanism Competition	2007
Urban design competition focused on sustainable urban development and new patterns for urban infrastructure, infill, and architecture (with C. Beorkrem and C. Gault).	
"Latino Metropolis/Vecinos"	Jan.-Feb., 2006
Exhibit of student research focused upon Charlotte's emerging Latino communities; this exhibit also featured the work of Catalina Culzar (Vecinos/Neighbors). The exhibit was sponsored by the Charlotte Museum of History and it was held in the College of Architecture's gallery on the UNCC campus.	
Work Exhibited, 1 st Annual Alumni Exhibition	March 8—April 9, 2004
Research posters exhibited in a juried exhibition held as a part of UCLA's Department of Architecture and Urban Design Exhibition Series.	
Friends of the High Line Public Space Competition	May 2003
Design competition for the reuse of the High Line railway in New York City (with S. Rogers).	
Urban Design Team Leader	Feb. 22, 2003
Harvard/Charlotte Community Design Studio (UNCC) Urban Design Charette focused upon the Optimist Park neighborhood of Charlotte, NC.	
UDI Campus Design Charette	March 22, 2003
Urban design charette focused upon the University City and campus community in Charlotte, NC.	
Work Exhibited, Assemblage Studio	October/November 2001
Current design work exhibited at the Rainbow Public Library, Las Vegas, NV.	
Horvath House	2000-2001
Design proposal for a vacation house in Egg Harbor, Michigan (with Jeff Hartnett, UNLV).	
2 nd Annual Intern Design Competition	April 2001
Design proposal submitted to the BRT Shelter Ideas Competition. Proposal developed with two students, Joe Campenille and Dan Chenin (Architecture-UNLV).	
Work Exhibited, Assemblage Studio	October/November 2001
Current design work exhibited at the Rainbow Public Library, Las Vegas, NV.	

Curator, School of Architecture Exhibit: October 2001
Recent Work from the School of Architecture, UNLV: Selected Final Master's Projects. Exhibit of thesis projects from the School of Architecture held in conjunction with the Las Vegas Chapter of the AIA Architecture Week. Lied Library Gallery, University of Nevada-Las Vegas.

Curator, 1st Annual Graduate Final Project Exhibit May 4-30, 2001
Exhibit of Graduate Thesis projects from the School of Architecture held in the Architecture Studies Library Gallery, School of Architecture-University of Nevada-Las Vegas.

Curator, 1st Annual Faculty/Student Exhibit April-May 2001
Joint faculty/student exhibit co-sponsored by the AIAS held in the TAM Alumni Center Gallery, University of Nevada-Las Vegas.

Work Exhibited, Winning Design Proposal March 2001
Lynn Bennett Early Childhood Development Center Design Competition Exhibition of Entries held in the Architecture Studies Library, School of Architecture-University of Nevada-Las Vegas.

Co-Chair March 29, 2001
AIA Brown Bag Workshop on Ethics and Global Practices featuring Dana Cuff and Garth Rockcastle; continuing education workshop for the AIA, in conjunction with the School of Architecture-UNLV, held at the Sahara West Public Library and Museum, Las Vegas, NV.

Competition Advisor January-March 2001
Nevada State College National Campus Design Competition.
Competition advisor for a national campus design competition with prize monies totaling \$100,000.00 (Las Vegas, NV).

Curator, Unbuilt Las Vegas August-November 2000
Exhibit featuring significant unbuilt projects in the Las Vegas area held at the Smallworks Gallery in downtown Las Vegas and the TAM Alumni Center, University of Nevada-Las Vegas.

Co-Curator, Morphosis-Current Work December 1999
Exhibit of the work of Morphosis in the Vestibule Gallery, Department of Architecture-Portland State University (with Clive Knights).

Curator, Student Exhibit: The LA Studio May 1999
Exhibit of the work of the 3rd year architecture studio's proposals for the Los Angeles Downtown Arts District Urban Design Competition held in the Vestibule Gallery, Department of Architecture-Portland State University.

Curator, Migrancy and Exile: June 7-July 21, 1997
The Provisional Landscapes of Ramón Ramírez. Exhibit of the paintings of Chicano artist, Ramón Ramírez, held at Fruitful Grounds, San Francisco, CA.

Co-Curator, Re:Forming Social Space: November 29, 1995-January 5, 1996
International Design Competition Exhibition of Winning Entries held at the Social and Public Art Resource Center, Venice, CA.

Co-Chair September- December 1995
Re:Forming Social Space International Design Competition.
International ideas competition with prize monies totaling \$10,000.00 (Los Angeles).

PRESENTATIONS AT CONFERENCES AND PROFESSIONAL MEETINGS

"A Tale of Three Cities." Paper presented at the 2006 ACSA Western Regional Conference in Burbank, California (Woodbury University) on October 12-15, 2006.

"*El Norte/Northern Territories: Border Practices in the New (Latin) American South.*" Paper presented at the *2005 ACSA Southeast Regional Conference*, which was held at Clemson University on October 28-29, 2005.

"Re:Discovering Place---Design as Territorial Practice and the Mesquite, NV Cultural Heritage and Art Center." Paper presented at the *2005 ACSA Southeast Regional Conference*, which was held at Clemson University on October 28-29, 2005.

"Special Focus Session: Architecture for Social Justice Awards: Partnerships in Teaching—Works in Progress." Panelist in a session featuring the CCDS Studio *Building/Border/Culture—Charlotte as the Gateway to the New (Latin) American South*," which was awarded an ASJ Award. Co-presented with Elizabeth Morrison (M.Arch. 04, UNCC), at the *ACSA 92nd Annual National Meeting*, which was held in Miami, FL, on March 18-20, 2004. Refereed Conference.

"Beginning/Finishing School: A Room from Two Views." Paper presented by José Gámez and Elizabeth Morrison (M.Arch. 04, UNCC) at the 2003 ACSA Southeast Regional Conference, which was held in Tampa, FL, on November 6-9, 2003. Refereed Conference.

"Architectures of Identity: Postcolonial Resistance in East Los Angeles." Paper presented at the *ACSA International Conference* held in Istanbul, Turkey on June 15-19, 2001. Refereed Conference.

"Learning in Las Vegas (or, Researching by Design)." Paper presented at the *Research by Design International Conference* held at the Delft Technical University (Faculty of Architecture) on November 1-3, 2000 in the Delft, Netherlands. Refereed Conference.

"Cruising Las Vegas: At HOME in the LAND of Sprawl, Spectacle, and Silence." Paper presented at the *ACSA Southeast Regional Conference* held at the University of North Carolina at Charlotte on October 26-29, 2000 (with Jeff Hartnett). Refereed Conference.

"Home Schooling—A Case Study of UNLV's Research and Design Studio." Presentation of student work produced in the Research and Design Studio at UNLV (Jose Gamez, Instructor); work presented at the *ACSA Southeast Regional Conference* held at the University of North Carolina at Charlotte on October 26-29, 2000. Refereed Conference.

"A Tale of Two Cathedrals—Power and Place in Los Angeles." Paper presented at the *3rd International Crossroads in Cultural Studies Conference* held at the University of Birmingham-Birmingham, UK on June 21-25, 2000. Refereed Conference.

"Re:Building the Past—Cultural Heritage, Race and Postcolonial Los Angeles." Paper presented at the *ACSA Annual National Meeting* held in Los Angeles, CA on March 11-14, 2000. Refereed Conference.

"Mapping East Los Angeles: Aesthetics and Cultural Politics in an Other LA." Paper presented at the *ACSA Annual National Meeting* held in Los Angeles, CA on March 11-14, 2000. Refereed Conference.

"Housing Popular Culture—Chicano Aesthetics in East LA." Paper presented at the *Far West Popular and American Culture Association 12th Annual Conference* held in Las Vegas, NV on February 4-6, 2000. Refereed Conference.

"Will Any Assemblage Do?" Paper presented at the *ACSA Western Regional Conference* held at the Portland Center of the School of Architecture-University of Oregon, Portland, OR on October 15-17, 1999. Refereed Conference.

"Re:Building the Past: Race, Heritage and the City." Paper presented at the *ACSA Western Regional Conference* held at the Portland Center of the School of Architecture-University of Oregon, Portland, OR on October 15-17, 1999. Refereed Conference.

"Es mi casa su casa? An *Other* Space in East LA." Paper presented at the *ACSA Annual National Meeting* held in Boston, MA on March 8-12, 1996. Refereed Conference.

"Designing for diverCity." Paper presented at the *13th National Conference on the Beginning Design Student* held at the School of Architecture-Louisiana State University on March 28-30, 1995. Refereed Conference.

CONFERENCE PARTICIPATION

Faculty Chair, CriticalMASS 07. Responsible for the oversight of the 6th annual CriticalMASS Graduate Student Thesis Symposium to be held at the University of North Carolina at Charlotte on April 12 & 13, 2007. Invited Jury Chair and Guest Lecturer: Christopher Sharples and Steve Sanderson of SHoP.

Resource Team Member, "Urban Open Space Institute." Resource team member for the Institute for Urban Open Space held at the Charlotte Community Design Studio on November 8-10, 2006.

Resource Team Member, "Urban Open Space Institute." Resource team member for the Institute for Urban Open Space held at the Charlotte Community Design Studio on April 26-28, 2006.

Panelist, "The Changing Face of the New South: Latinos in the Greater Charlotte Region." Panelist on the *Planning, Housing and Neighborhood Development* session of this regional conference sponsored by the Urban Institute at the University of North Carolina at Charlotte on April 24, 2006.

Faculty Chair, CriticalMASS 06. Responsible for the oversight of the 5th annual CriticalMASS Graduate Student Thesis Symposium to be held at the University of North Carolina at Charlotte on April 7th, 2006. Invited Jury Chair and Guest Lecturer: José Rafael Moneo.

Faculty Chair, CriticalMASS 05. Responsible for the oversight of the 4th annual CriticalMASS Graduate Student Thesis Symposium, which was held at the University of North Carolina at Charlotte on April 7-8, 2005. Invited Jury Chair and Guest Lecturer: Glenn Murcutt.

Panelist/Co-Chair, "Dialogue: The Beautiful, the Ugly, and the Fake—The Las Vegas Case." Co-Chair in a session focused upon questions of authenticity in contemporary urban places. Session held at the *Quasi Come: the Beauty of the Fake and Forgery in Literature and Art* (Las Vegas, NV) on October 27, 2002.

Panel Moderator, *AIA Committee on Design 2002 National Conference*, Las Vegas, April 11-14, 2002. Panelists included Reed Kroloff (Editor in Chief, Architecture Magazine) and Dave Hickey (Professor of Art Theory and Criticism, UNLV).

Session Moderator, *18th Conference on the Beginning Design Student: The Predicament of Beginning* held at Portland State University, March 14-16, 2002.

Co-Chair, Workshop on Cultural Studies in Architecture (with Hande Birkalan, Yeditepe University-Istanbul). Co-Chair of a workshop focused upon interdisciplinary research methods. Workshop held at the *ACSA International Conference* in Istanbul, Turkey on June 15-19, 2001.

Co-Chair, Special Session on the Beginning Design Student (with Jeff Hartnett-UNLV). Co-Chair of a session featuring papers from the 2000 National Conference on the Beginning Design Student. Session held at the *ACSA Annual National Meeting* in Baltimore, MD on March 16-19, 2001.

Panel Speaker, Plenary Session: Theory in Context. Invited panelist asked to respond to Joan Ockman's published statement. Session held at the *ACSA Annual National Meeting* in Baltimore, MD on March 16-19, 2001.

Conference Advisor, *17th National Conference on the Beginning Design Student* held at the New School of Architecture, Polytechnic University-San Juan, Puerto Rico. May 17-21, 2000.

Panel Speaker, Plenary Session-Large Firm/Education Roundtable. Invited panelist for the session held at the *ACSA Annual National Meeting* in Minneapolis, MI on March 20-23, 2000.

Chair of Registration, *16th National Conference on the Beginning Design Student* held at the School of Architecture-University of Nevada, Las Vegas on September 16-18, 1999.

Chair, *1st Annual Urban Architecture Symposium* held in the Department of Architecture-Portland State University in Portland, OR in the spring of 1998.

Co-Chair, *15th Annual Conference on the Beginning Design Student: 2000 Tools* held in the Department of Architecture & Urban Design-University of California, Los Angeles on April 17-18, 1998.

Discussant, Book Session: Behind the Postmodern Façade: Architectural Change in Late Twentieth Century America. Session held at *The Cultural Turn: Cultural Sociology and Cultural Studies Conference* at the University of California-Santa Barbara, CA on February 14-16, 1997.

INVITED EXTERNAL PRESENTATIONS

"Building a Teaching Portfolio." Invited by the Art Institute at Charlotte (NC) to present on the topic of teaching portfolios and career development across various design disciplines on June 22, 2004.

"P.A.I.N.T.(T.)ing the Town: Muralism and the Politics of Identity in East L.A." Invited lecturer on the 2004 lecture series sponsored by the Historic Preservation Program in the School of Architecture and Allied Arts at the University of Oregon at Eugene on April 17th, 2004.

"Changing Faces: Cultures and Communities in Charlotte." Invited panelist on the Urban Institute's public forum focusing upon demographic change within Charlotte, which was sponsored by the Community Development Academy and held on the campus of the University of North Carolina at Charlotte on November 10, 2003.

"(Re)Placing the City: Urban Memory and Change in Charlotte." Invited panelist on the Mint Museum of Craft and Design's public forum on memory and change within the local urban landscape, which was held at the Mint Museum of Craft and Design in Charlotte, NC, on July 31st, 2003.

"Re: Learning from Las Vegas?" Invited panelist at the *Art Librarians Society of North America Mountain West Chapter Annual Conference* held at the University of Nevada, Las Vegas, on November 8, 2001.

"Trends in Contemporary Campus Design." Invited to present to the Board of Regents of the University and Community College System of Nevada Board Chair's Task Force on Architecture at the January 4, 2000 meeting of the Board of Regents, Las Vegas, NV.

"Architecture in Society: Rethinking the Public" Invited to present at Woodbury University, Department of Architecture, on June 4, 1996.

"Searching for the Public Realm: Cultural Politics and Design." Invited to present at East Los Angeles College, Department of Architecture, on March 26, 1996.

CONTRIBUTIONS TO PRESENTATIONS

Research materials and diagrams included in Robert Venturi's keynote address, "A Tale of Three Cities: Las Vegas Then, Now and Next." Presented at the opening of the Guggenheim Las Vegas, Venetian Hotel and Resort, Las Vegas, NV (October 5, 2001).

TEACHING ACTIVITY AND CURRICULAR DEVELOPMENT

Teaching Activity:

- a) The University of North Carolina at Charlotte, College of Architecture
Assistant Professor of Architecture, Graduate Coordinator, tenure track appointment
- | | | |
|------|--------|---|
| 2007 | Fall | ARCH 4103: Undergraduate Comprehensive Studio (5 Cr.) |
| 2007 | Summer | ARCH 5050: Introductory Experience in Architecture (3 Cr.) |
| 2007 | Spring | ARCH 6112: Graduate Design Fundamentals II (6 Cr.) |
| 2006 | Fall | ARCH 4103: Undergraduate Comprehensive Studio (5 Cr.)
ARCH 42/13/5213: Histories of Latin American Architecture (3 Cr.) |
| 2006 | Summer | ARCH 5050: Introductory Experience in Architecture (3 Cr.) |
| 2006 | Spring | ARCH 4102/7102: Topical Design Studio (5 Cr.) |
| 2005 | Fall | ARCH 4213/5213: Histories of Latin American Architecture (3 Cr.)
ARCH 6050/4050: Introduction to Urban Design (3 Cr.) |
| 2005 | Summer | ARCH 5050: Introductory Experience in Architecture (3 Cr.) |
| 2005 | Spring | ARCH 4104: Undergraduate Comprehensive Studio (5 Cr.) |
| 2004 | Fall | ARCH 4103: Undergraduate Comprehensive Studio (5 Cr.)
ARCH 5601: Concepts and Ideas (3 Cr.) |
| 2004 | Summer | CoA Architecture Summer Camp (June 13-18) |
| 2004 | Spring | ARCH 3102: Third Year Design Studio (5 Cr.) |
| 2003 | Fall | ARCH 4050: Architecture/Culture (3 Cr.)
ARCH 4101/7103: Charlotte Community Design Studio (5 Cr.) |
| 2003 | Spring | ARCH 4050: History of Architectural Theory/
Introduction to Architectural Culture (3 Cr.)
ARCH 4102/7102: Topical Design Studio (5 Cr.) |

- 2002 Fall ARCH 4050: Architecture, Culture, Discourse (3 Cr.)
ARCH 4101/7103: Topical Design Studio (5 Cr.)
- b) University of Nevada-Las Vegas, School of Architecture
Assistant Professor, Interim Chair- Latin American Studies, tenure track appointment, university graduate faculty, architectural design, graduate and undergraduate seminars
- 2002 Spring AAE 791: Final Project Design/Thesis Studio (6 Cr.)
AAE 481: Architecture, Place and Identity (3 Cr.)
AAE 793: Independent Study:
UNLV/University of Pennsylvania Parallel Research Project (3 Cr.)
- 2001 Fall AAE 789: Research and Design Studio (6 Cr.)
AAE 457/657: Architecture in Las Americas (3 Cr.)
AAE 795/ART 404X: Special Topics—Art in Public Places (3 Cr.)
- Spring AAE 791: Final Project Design/Thesis Studio (6 Cr.)
AAE 481: Architecture, Place and Identity (3 Cr.)
- 2000 Fall AAE 789: Research and Design Studio (6 Cr.)
AAD 180: Foundation Design Studio (3 Cr.)
- Spring AAE 791: Final Project Design/Thesis Studio (6 Cr.)
AAE 456/795: Special Topics in Contemporary Urbanism (3 Cr.)
- 1999 Fall AAE 789/791: Research and Design Studio/Final Project Design (6 Cr.)
AAE 793: Special Topics in Architectural Publishing (3 Cr.)
- c) Portland State University, Department of Architecture
Assistant Professor, undergraduate coursework:
- 1999 Spring ARCH 340: The Profession of Architecture (4 Cr.)
ARCH 382: Design Fundamentals Studio II (3 Cr.)
Winter ARCH 381: Architecture Design Studio II (4Cr.)
ARCH 330: 20th Century Arch. History and Theory I (4 Cr.)
- 1998 Fall ARCH 380: Architecture Design Studio I (4 Cr.)
- d) Portland State University, Department of Architecture
Adjunct Assist Professor:
- 1998 Spring ARCH 281: Design Fundamentals Studio II (4 Cr.)
Winter ARCH 481: Architecture Design Studio V (6 Cr.)
- e) University of California-Los Angeles, Department of Architecture and Urban Design
Teaching Assistantships within the Department of Architecture and Urban Design
- 1997 Winter AUD 421: Studio Support (2 Cr.) Instructor: Refuerzo
- 1996 Fall AUD 201: Theories of Architecture (4 Cr.) Instructor: Lavin
Summer AUD 411: Intro. Design Studio (4 Cr.) Instructor: Refuerzo
Spring AUD 413: Building/Landscape Studio (6 Cr.) Instructor: Mack
Winter AUD 201: Theories of Architecture (4 Cr.) Instructor: Lavin

1995 Fall AUD 291: Theory of Architectural Programming (4 Cr.) Instructor: Cuff
Spring AUD 413: Building/Landscape Studio (6 Cr.) Instructors:
Mack, Sherman
Spring URP 209.2: Into the Labyrinth/Navigating the Spaces of Metamodernism
Student Directed Seminar
Winter AUD 190: Intro. to Arch. and Urban Planning (3 Cr.) Instructor: Rand
**Undergraduate course*

1994 Fall AUD 291: Theory of Architectural Programming (4 Cr.) Instructor: Cuff

Curricular Development:

- Working with David Walters, Zhong-zie Lin, and Deb Ryan on the planning and implementation of a Master of Urban Design program for the College of Architecture at UNCC.
- Authored request from the Graduate School at UNCC for 6 fully-funded research positions for the support of the Digital Design Center and the Center for Architectural Technology (2 positions per CoA research center each to be awarded tuition, health insurance, and a 9K assistantship stipend for two years per year). Funding granted in 2007 for the recruitment year of 2007/08 and recurring for 3 years.)
- Authored request from the Graduate School at UNCC for 4 fully-funded research positions for the support of the Digital Design Center and the Center for Architectural Technology (2 positions per center each to be awarded tuition, health insurance, and a 9K assistantship stipend for two years per year). Funding granted in 2005 for the recruitment year of 2006/07 and recurring for 3 years.)
- Collaborated with Mark Morris and Chris Beorkram (UNCC) on the development of an introductory course to accompany the College's implementation of the Digital Design Center and related courses in the Design, Theory and Practice area of concentration in the graduate curriculum (fall 2005).
- Researched and authored the College of Architecture at UNC Charlotte's request to gain admittance in the Academic Common Market (ACM)—an inter-state academic agreement in which students from outside North Carolina become eligible to enroll as in-state students in North Carolina university programs that offer a unique education opportunity not found within the ACM's affiliated universities. The application required a review of 24 architectural programs in the Southeastern region (including Texas, Arkansas, Oklahoma, Alabama, Mississippi, Louisiana, Florida, Georgia, Virginia, Maryland, South Carolina, and North Carolina.) and a detailed explanation of UNC Charlotte's unique architectural curricular offerings (spring 2005). College of Architecture at UNCC added to the ACM in the summer of 2005.
- Co-authored and awarded a Curriculum Improvement Grant for the development of the Digital Design Center in the College of Architecture and associated faculty & pedagogical workshops (fall 2004).
- Developed dual Master's degree tracks for the Master of Architecture II program: M.Arch & M.B.A.—Real Estate Development and M.Arch. & M. Geography—Community Planning (fall 2004).
- Assisted in the development of the course "Introduction to Urban Design" for the Urbanism Concentration within the University of North Carolina/College of Architecture graduate program (spring 2003).
- Developed the graduate level/thesis studio course "Research and Design Studio" for the School of Architecture, University of Nevada, Las Vegas (fall 1999).
- Developed the course "Architecture in Las Americas" for the School of Architecture, University of Nevada, Las Vegas (spring 2000); this course was cross-listed with Latin American Studies and fulfilled a Multicultural Studies University Requirement.

- Developed the architectural design and interior design curricular offerings for the UNLV Study Abroad Consortium Turin Program. Courses developed (spring 2000):
 - i. 20th Century Architectural History and Theory (fall course offering)
 - ii. 300 level Architectural Design Studio (fall course offering)
 - iii. History of Interior Design (spring course offering)
 - iv. 300 level Universal Design Studio (spring offering)
- Developed the course “Architecture, Place and Identity” for the School of Architecture, University of Nevada, Las Vegas (fall 1999); this course met both NAAB and University Multicultural Studies requirements.
- Developed the course “Special Topics in Contemporary Urbanism” for the School of Architecture, University of Nevada, Las Vegas (fall 1999).
- Developed the course “20th Century Architectural History and Theory,” which replaced the courses History of Modern Architecture I & II, as a part of the revised history curriculum in the School of Architecture, University of Nevada, Las Vegas (fall 1999).
- Developed the course “The Politics of Place: Identity and the Contemporary City” for the Department of Architecture, Portland State University (spring 1999).
- Co-authored the course “Into the Labyrinth: Navigating the Spaces of Metamodernism” as a student directed architecture and urban planning theory seminar, Department of Urban Planning, School of Public Policy, University of California, Los Angeles (spring 1995). Faculty sponsor: Edward Soja.

ADVISING AND STUDENT COMMITTEE PARTICIPATION

UNCC:

Committees (Member): Master of Architecture, Brad Buter (2007)
 Master of Architecture, Michael Ward (2007)
 Master of Architecture, Paul Winter (2007)

Doctor of Philosophy in Infrastructural & Environmental Systems,
 Peter Foster (2006)

Master of Architecture/Master of Geography, Cathy Cervantez (2006)
 Master of Architecture/Master of Business, Jason Fish (2006)
 Master of Architecture, Chip Howell (2006)

Master of Architecture, Audra Hauck (2005)
 Master of Architecture, Jeremy Fisher (2005)
 Master of Architecture, Chris Johnson (2005)

Master of Architecture, Beth Morrison (2004)
 Master of Architecture, Meghan Young (2004)
 Master of Architecture, Robbie Caddell (2003)
 Master of Architecture, James Train (2003)

UNLV:

General Advisement: General graduate advising-School of Architecture, UNLV.
 General undergraduate advising-Latin American Studies, UNLV

Committees (Member): Master of Fine Arts, Amanda Farrar-Spring 2002
Master of Architecture, Matthew Burns-Spring 2002
Master of Architecture, Bryan Dyer-Spring 2002
Master of Architecture, Michael Elliot-Spring 2002
Master of Architecture, Tim Neil-Spring 2002

Master of Fine Arts, Curtis Fairman-Spring 2001
Master of Fine Arts, Sherin Gurguis-Spring 2001

Master of Architecture, Chris Fenton-Spring 2001
Master of Architecture, Kelvin Haywood-Spring 2001
Master of Architecture, Lance Kirk-Spring 2001
Master of Architecture, David McKee-Spring 2001
Master of Architecture, Aaron Whitman-Spring 2001

Committees (Chair): Master of Architecture, Rochelle Wallis-Spring 2002
Master of Architecture, Paul Fenkell-Spring 2002
Master of Architecture, Colin Hogan-Spring 2002
Master of Architecture, Paul Hogge-Spring 2002
Master of Architecture, UK Lang-Spring 2002
Master of Architecture, Jose Pizarro-Castro-Spring 2002

Master of Architecture, Rich Assenberg-Spring 2001
Master of Architecture, Jose Berrios -Spring 2001
Master of Architecture, Bojidar Bulanov-Spring 2001
Master of Architecture, Patrick Castellano-Spring 2001
Master of Architecture, James Cooper-Spring 2001
Master of Architecture, René R. Hassenzahl-Spring 2001
Master of Architecture, Brett Harris-Spring 2001
Master of Architecture, Hyong Jin Kang-Spring 2001

Master of Architecture, Karin Gravlin-Spring 2000
Master of Architecture, Kelly Griepentrog-Spring 2000
Master of Architecture, Robert Gurdison-Spring 2000
Master of Architecture, Adrian Jones-Spring 2000
Master of Architecture, Fu-Shou Li-Spring 2000
Master of Architecture, Danny Valentino-Spring 2000
Master of Architecture, Allen Wendelboe-Spring 2000
Master of Architecture, Rick Marshall-Spring 2000
Master of Architecture, Nick Seehafer-Spring 2000
Master of Architecture, Lauro Urbina-Spring 2000
Master of Architecture, Janelle Wright-Spring 2000

Master of Architecture, Marina Pjaca-Hrenek-Fall 1999
Master of Architecture, Darcey Wenzel-Fall 1999

SIGNIFICANT STUDENT WORK

Spring 2006 Best Thesis (Graduate): Charles (Chip) Howell's thesis was recognized with this award, which was executed under my direction as Chair of his Thesis Committee.

Nish Jamgotch Jr. Humanitarian Student Award: Charles (Chip) Howell was awarded this university-wide prize for his on-going community work, which was tied to his

Master of Architecture Thesis project (directed by José Gámez). This award recognizes a student who demonstrates creative problem solving, conflict resolution and improvement for the human condition. It carries a \$10,000.00 cash prize.

Honorable Mention: Michael Ward was awarded an Honorable Mention in the 2006 ACSA/WATG Hospitality Transformed: Resort Hotels in 2055 International Student Design Competition. Michael's project was designed and developed in my Topical/Urbanism studio (ARCH 7102).

- Spring 2005 Best Thesis (Undergraduate): Mitch Crowder's thesis was recognized with this award, which was executed in my studio (ARCH 4103).
- Best Thesis (Undergraduate): Jawad Al-tamlal's thesis was recognized this award, which was executed in my studio (ARCH 4103).
- Best Representation: Jawad Al-tamlal's thesis was recognized with this award, which was executed in my studio (ARCH 4103).
- Best Use of Technology: Randal Rhodes' thesis was recognized with this award, which was executed in my studio (ARCH 4103).
- Zeb Smith. Studio work (both 3-d analog and digital) published in the 2nd edition of Designing with Models (John Wiley 2005) by Criss Mills (page 90).
- Fall 2004 Third Place—Barchitecture Dog House Competition sponsored by the Young Architect's Forum, Charlotte, NC. Student Design Team: Leslie Phipps, Jawad, Billy Aguire, Zeb Smith.
- Fall 2003 Beth Morrison. Co-authored "Beginning/Finishing School: A Room from Two Views," which was presented at the 2003 ACSA Regional Meeting held in Tampa, FL, and that will be published in *Proceedings of the 2003 Southeast Regional Conference* (Tampa, FL: University of South Florida—School of Architecture and Community Design, 2004).
- Spring 2002 Second Place—Jose Pizaro-Castro. Graduate Student Association (UNLV) Annual Research Poster Competition. Pizaro-Castro was awarded this prize for his work completed in the Research and Design Studio at UNLV (Gámez, fall 2001).
- Spring 2002 Jose Pizaro-Castro—Research Board Exhibited. Pizaro-Castro's research board was accepted for the 2002 Initiative for Architectural Research Poster Session at the National ACSA Annual Meeting in New Orleans (April 2002). The research presented was developed in the Research and Design Studio at UNLV (Gámez, fall/spring 2001-2002).
- Fall 2001 AIA Honor Award in the Academic Category, 2001 Nevada AIA Design Awards—Lance Kirk was awarded an Honor Award for his thesis project (UNLV 2001) focusing upon sustainable urban revitalization. This project was developed in the Research and Design Studio at UNLV (Gámez, fall/spring 2000-2001).
- Spring 2001 First Place—Jose Berrios. Graduate Student Association (UNLV) Annual Research Poster Competition. Berrios was awarded this prize for his work completed in the Research and Design Studio at UNLV (Gámez, fall 2000).
- Spring 2000 First Place—Adrian Jones. Graduate Student Association (UNLV) Annual Research Poster Competition. Jones was awarded this prize for his work in the Research and Design Studio at UNLV (Gámez, fall 1999).

Spring/

Summer 2000 Adrian Jones—Research Poster Exhibited. Jones' research board was accepted for the 2000 Initiative for Architectural Research Poster Session at the National ACSA Annual Meeting in Los Angeles (March 2000), the International ACSA Annual Meeting in Hong Kong (June 2000), and the National Meeting of the AIA in Philadelphia (July 2000). The research presented was developed in the Research and Design Studio at UNLV (Gámez, fall/spring 1999-2000).

SERVICE: NATIONAL, REGIONAL

a) National:

Association of Collegiate Schools of Architecture (ACSA)2007
Architecture as Discipline / Accreditation Review Conference Committee
Member of this committee charged with producing a "White Paper" for consideration by the ACSA at the 2008 National Architectural Accreditation Board (NAAB) Accreditation Review Conference.

Board Member, National Conference on the Beginning Design Student, 1999-Present.
Member of the organizational board for this national conference charged with reviewing conference proposals, selecting conference sites, and providing assistance and advisement.

Reader/Reviewer, 22nd National Conference on the Beginning Design Student, April 2006.

Reviewer: Landscape Journal (Australia)—invited by author (Daniel Ortega) to review and provide feedback upon a manuscript/essay for publication titled "The Las Vegas Strip as a Genuine Global Landscape." Spring 2004.

Referee/Reviewer: Journal of Planning Education and Research—invited to review a manuscript (MS#01-041, "Does Neo-traditional Development Build Community?"). Spring 2002.

Reader/Reviewer, 2002 ACSA Annual International Meeting
Reader/Reviewer, 2002 ACSA Annual National Meeting
Reader/Reviewer, 2001 ACSA Annual National Meeting
Reader/Reviewer, 1999 ACSA Annual National Meeting
Reader/Reviewer, 1995 ACSA Annual National Meeting

b) Regional:

Reviewer, 2005 ACSA Southeast Regional Meeting

Member, ACSA Western Region Director Search Committee, January 2001-March 2001.

SERVICE: UNIVERSITY, COLLEGE, SCHOOL

a) University:

Member, Chancellor's Diversity Challenge Fund Review Committee, 2007-2009
Member, Faculty Advisory Council – Faculty Center for Teaching and e-Learning, 2007-2008
Member, Faculty Advisory Summer Sessions Committee, 2007-2008
Member, Diversity in Graduate Education—UNCC, 2006-07
Member, Graduate Council—UNCC, 2004-2008

Member, Recruitment and Retention Committee—UNCC, 2003-2006
Member, Faculty Executive Committee—UNCC, 2003-2004
Member, Instructional Success in Classrooms with Diversity Committee—UNCC, 2003-2004
Member, Broker Health Center Designer Selection Committee—UNCC, spring 2003

Interim Chair, Latin American Studies Program-UNLV, 2002.
College of Fine Arts Representative to the University Research Grants and Fellowships Committee-UNLV, 2000-2002.
Member, Comprehensive Masterplan Committee-UNLV, 2002.
Member, Macro-theme Committee Member: Analysis and Preservation of History, Culture, and Society-UNLV, 2002.
Member, University Latino Faculty and Staff Alliance—Active on the Chicano/Latino Studies Curriculum Development Committee-UNLV, 2000-2002.
Multicultural Student Mentor-UNLV, 1999-2002.

b) College of Architecture-UNCC:

Chair, Faculty Search Committee, 2007 (fall)
Graduate Coordinator, 2004-2008
Member, Curriculum Committee, 2004-2008
Member, Graduate Admissions Committee, 2004-2008
Member, Digital Design Center Steering Committee, 2005-Present
Member, Curriculum Committee, College of Architecture-2002-Present
Member, Design/Theory/Practice ad-hoc Committee, College of Architecture- 2002-Present
Member, Urban Design ad-hoc Committee, College of Architecture-2002-Present
Director of Architectural Computing Search Committee, 2007
Faculty Search Committee, Key Reviewer (Urbanism) 2007
Faculty Search Committee, 2004-2005, 2006
College of Architecture Summer Camp Director, 2004
ACSA Faculty Councilor, 2003-2004
AIAS Faculty Advisor, 2003-2004
Lecture Series Co-Chair, College of Architecture-,2003

c) College of Fine Arts-UNLV

Member-Bylaws Committee, College of Fine Arts-UNLV, 2000-2002.

d) School of Architecture-UNLV:

Chair, Klai::Juba Lecture Series Coordinator, 2000-2002.
Chair, Curriculum Committee, 2000-2001.
Chair, Turin Program Study Abroad Program, 2000-2001.

Member, Merit Committee, 2000-2001.
Member, Library Committee, 2000-2002
Member, Faculty Search Committee: Building Science Search, spring 2001.
Member, Exhibitions Committee, 2001.

SERVICE: PROFESSIONAL, COMMUNITY

Advisory Board 2003-Present
Latin American Coalition, Charlotte, NC

Latino Advisory Board Levine Museum of the New South, Charlotte, NC	2003-Present
Arts & Science Council Public Art Nominating Committee, Public Art Commission Charlotte, NC	2007-2010
AIA 150 Community Visioning Committee	2007
Advisory Board Mint Museum of Craft & Design, Charlotte, NC	2003-2005
Education Director Las Vegas Chapter of the AIA	2001, 2002
Commissioner: Las Vegas Arts Commission	2001-2002
Interviewer Latin American Chamber of Commerce Scholarship Committee, Las Vegas, NV	2000, 2001
Christmas in April Team Leader	Spring 2001

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

Member—Associate Level, National Council de la Raza.
 Member—Architects/Designers/Planners for Social Responsibility
 Member—Associate Level, American Institute of Architects-Las Vegas Chapter, 1999-2002.

Zhongjie Lin, Ph.D.

College of Architecture
University of North Carolina at Charlotte
Charlotte, NC 28205, USA
Tel: (01) 704.687.4032 Fax: (01) 704.687.3353
E-mail: zlin1@uncc.edu

EDUCATION

Ph.D. in Architecture	University of Pennsylvania, 2006
Dissertation:	“City As Process: Kenzo Tange and the Japanese Urban Utopias, 1959-70”
M.S. in Architecture	University of Pennsylvania, 2004
M.Arch. (with honor)	Tongji University, China, 1998
B. Arch.	Tongji University, China, 1995

ACADEMIC EXPERIENCE

Assistant Professor	College of Architecture, University of North Carolina at Charlotte, 2006-present
Research Fellow	Shibaura Institute of Technology, Tokyo, 2005-06
Teaching Assistant	University of Pennsylvania, 2003-05

PROFESSIONAL EXPERIENCE

Urban Design Consultant	National Palace Museum of Taiwan, Penn Praxis, 2004
Architect	SmithGroup, Washington D.C., 2003
Architect	Architectural Design & Research Institute of Tongji University, Shanghai, 1997-2000
Intern Architect	East China Architectural Design & Research Institute, Shanghai, 1995

HONORS & AWARDS

Japan Foundation Fellowship	Japan Foundation, Tokyo, 2005-06
University Fellowship	University of Pennsylvania, 2000-2003
First Place	Design Competition for Gateway Building of Shanghai Pudong Airport, 1997
Graduate Honor Award	Tongji University, 1997
Guanghua Scholarship	Tongji University, 1996 and 1997
Baogang National Award	Baogang Outstanding Student National Award, 1995
Siyuan Scholarship	Tongji University, 1994

RESEACH GRANTS

Faculty Research Grant	University of North Carolina at Charlotte, 2006
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JF Japanese Studies Fellowship Japan Foundation, Tokyo, 2005-06
French Inst. Travel Fellowship French Institute of Culture and Technology, Philadelphia, 2005
ACC Research Grant Asian Cultural Council, New York, 2004-05
Harvard-Yenching Travel Grant Harvard-Yenching Library, Harvard University, 2004
Graduate Research Travel Grant University of Pennsylvania, 2004
Albert J. Grosser Research Fund University of Pennsylvania, 2003-04

MEMBERSHIPS

International Association of Chinese Planning

PUBLICATIONS: BOOK & PEER-REVIEWED ARTICLES

- Shi, Kuang, Gary Hack, and Zhongjie Lin. Urban Design in the Global Perspective. Beijing: Architecture and Building Press of China. 2006.
- Lin, Zhongjie. "Urban Structure for the Expanding Metropolis: Kenzo Tange's 1960 Plan for Tokyo." Journal of Architectural & Planning Research, 24:2 (Summer, 2007), pp.109-124.
- Lin, Zhongjie. "From Megastructure to Megalopolis: Formation and Transformation of Mega-projects in Tokyo Bay." Journal of Urban Design, v.12, n.1 (Feb. 2007), pp.73-92.
- Lin, Zhongjie. "Metabolism: Restructuring the Modern City." Fresh Air: Proceeding of the 95th Annual Meeting of the Association of Collegiate Schools of Architecture, 2007, pp.871-880.
- Lin, Zhongjie, and Kuang Shi. "The Urban Design Methodology of New Urbanism." Architectural Journal, Jan. 2006, pp.6-9.
- Lin, Zhongjie. "From Battery Park City to Reconstruction of World Trade Center." Architecture and Design 2004, n.6, pp.92-95.
- Lin, Zhongjie. "A City under the Glass Roof." Time+Architecture, 2003, n.4, pp.58-63.
- Lin, Zhongjie, and Moulong Zhu. "Between the New and the Old: Studies of the Townscape of Sanbei Street in Chixi." Time+Architecture, 1997, n.4, pp.56-58.

RECENT CONFERENCE PRESENTATIONS AND PUBLIC LECTURES

- "Metabolism: Restructuring the Modern City." The 95th Annual Meeting of the Association of Collegiate Schools of Architecture, Philadelphia, Mar. 2007.
- "Boston Bay, Tokyo Bay, and Yerba Buena: Kenzo Tange's Megastructural Visions and their Influences in America." The 11th Biennial Conference on Planning History, Miami. Oct. 2005.
- "Megastructure: Dinosaur Returns?" Shibaura Institute of Technology, Tokyo, Aug. 2005.
- "From Megastructure to Megalopolis: Formation and Transformation of Mega-projects in Tokyo Bay." The 6th International Symposium on Asian Pacific Architecture, Shanghai, June 2005.
- "A Historical Sketch of Japanese Modern Architecture." University of Pennsylvania, Apr. 2005.
- "Re-structuring Tokyo: Five Visionary Plans in Tokyo's Postwar City Building." The 8th Annual Harvard East Asia Society Graduate Student Conference, Cambridge, Mar. 2005.
- "Modern Architecture and Urbanism of Shanghai." University of Pennsylvania, Mar. 2005.
- "Metabolism: International Avant-garde or Regional Speculation?" the 4th Savannah Symposium, Savannah, Feb. 2005.
- "Tokyo between Dreams and Realities." University of Pennsylvania, Jan. 2005.

EDUCATION:

- Master of Landscape Architecture, Harvard University, 1983.
- Bachelor of Environmental Design in Landscape Architecture (Cum Laude) ASLA Certificate of Merit for Excellence in the Study of Landscape Architecture, NCSU, 1979.

TEACHING EXPERIENCE:

- Associate Professor, College of Architecture, UNC Charlotte, 1985 - Present; International Faculty, Italy Program, Summer 1999, Graduate Faculty, 1992 - Present
- Founder and Coordinator, Charlotte Community Design Studio, the regions' only civic design center located off-campus in Charlotte's historic South End 1999-2007.
- Director, Urban Open Space Leadership Institute, 2004-2007.
- Adjunct Associate Professor, Women's Studies Program, UNC Charlotte, 1990-Present.
- Visiting Critic in Urban Design, Harvard University Graduate School of Design, Fall 2003, Fall 2004.
- Visiting Assistant Professor of Landscape Architecture, Harvard University Graduate School of Design, 1988.

PROFESSIONAL EXPERIENCE:

- Ryan + Harris: Landscape Architecture, Urban Design and Community Planning, Managing Principal, Charlotte, North Carolina, 2007.
- Landscape Architect, Licensed in North Carolina, #599 since 1997.
- The Freelon Group, Urban Design & Campus Planning, 2003 - 2004.
- dRa landscape architecture and urban design, Managing Principal, Charlotte, 1995 – 2003, 2004-.
- The Wahler Design Group, Inc., Charlotte, 1988 –1992.
- Larry Seeman Associates, Environmental and Planning Consultants, Pebble Beach, CA, 1985.
- Landmark Land Co., Inc., Resort Developers, Carmel, California, 1984.
- The SWA Group, Sausalito, California and Laguna Beach, California, 1981.
- Brunswick County Planning Department, Coastal Planner, Bolivia, North Carolina, 1979-1980.

GRANTS, HONORS & AWARDS:

- Special Achievement Award for leading the Charlotte Mecklenburg Public Art Commission, Charlotte Center City Partners, 2007.
- The Mayor's Institute for City Design: South, National Endowment for the Arts, Awarded but declined. Spring 2007. (\$50,000)
- The Catawba Lands Conservancy, Gift to support the Urban Open Space Leadership Institute and a Study of Pedestrian Bridges Spanning the Catawba River, Spring 2007 (\$25,000).
- The Trust for Public Land, Gift to support the Urban Open Space Leadership Institute and a Study of Pedestrian Bridges Spanning the Catawba River, Spring 2007 (\$3,000).
- UNC Charlotte Nominee for the O. Max Gardner Award for the faculty member making the largest contribution to mankind over the preceding year, 2005-2006.
- The John F. and James S. Knight Foundation for The Urban Open Space Leadership Institute (\$385,000 2004-2007).
- The Urban Land Institute Foundation for The Urban Open Space Leadership Institute for November 2005 (\$35,000).
- The National Endowment for the Arts/ The American Architectural Foundation for the Mayor's Institute on City Design: South (MICD:S) Awarded & Declined for 2006 (\$50,000).
- The Z. Smith Reynolds Foundation for The Urban Open Space Leadership Institute, April 2006 (\$30,000).
- Mt. Holly Master Plan (with the UNC Charlotte Urban Institute), May 2006 (\$120,000).
- Statesville Master Plan (with Frank Warren and Assoc. and ColeJenest & Stone), Spring 2006 (\$7,500).
- The Mayor's Institute on City Design: South, Director, National Endowment for the Arts, Charlotte, North Carolina 2004. (\$50,000)
- American Society of Landscape Architects (ASLA) Tri-State Merit Award for Planning & Design, Second Ward Neighborhood Plan (with LandDesign et al) 2002.
- NCASLA Honor Award for Planning & Design, Second Ward Neighborhood Plan (with LandDesign et al) 2002.
- Studio Grant, Mills Associates for the Stewart Village Study, 2002 (\$12,500).
- Studio Grant, MECA Properties for the Camden Square Village Study, 2002 (\$10,000).
- The Mayor's Institute on City Design: South, Director, National Endowment for the Arts, Charlotte, North Carolina 2002 (\$50,000).
- City of Charlotte Neighborhood Matching Grant for a Greenway Study/Master Plan in the Belmont Neighborhood, 2001 (\$10,000).
- Studio Grant, City of Lincolnton, Spring 2000 (\$1,000).
- Studio Grant, Enterprise Foundation for an affordable housing study, Spring 2000 (\$5,000).
- Studio Grant, First Union National Bank for the Second Ward Neighborhood Study, Fall 1999 (\$10,000).
- North Carolina ASLA Honor Award for Design, *REPLAY*, Plaza Road Preschool, 1996.
- Leadership Charlotte, Class XVII, 1995-1996, Board of Directors, 1997-2000.
- City of Charlotte Neighborhood Matching Grant, 1995-1996 (\$10,000).
- The Mayor's Institute on City Design: South, Resource Team Member, National Endowment for the Arts, Georgia Tech, Atlanta 1994.
- NCAC Consultant Grant for a Compost Demonstration Project at the Museum of Life and Science in Durham, North Carolina, 1991.
- NCAC Consultant Grant for *Three Little Houses*, a playground for homeless children, Charlotte's Center for Emergency Housing, 1991.
- NCAC Scholarship Recipient, North Carolina Design Assembly, 1991.
- Southeast Regional ASLA Merit Award for Design, *The Playful Forest*, 1991.
- Curriculum Development Grant, UNC Charlotte for *Landscape Ethics: Landscape Aesthetics*, 1991.
- Charlotte Mecklenburg Criminal Courts Plaza Public Art Commission for *The Courtroom*, 1990.

- Charlotte/Mecklenburg Arts and Science Council Restricted Grant, Spring Experience, 1990.
- International Travel Grant to Siena, Italy, Center for International Studies, UNCC, 1990.
- ASLA National Merit Award for Landscape Art and Earth Sculpture, *Leggo the Octopus*, Hidden Valley Elementary School, 1989.
- NCACC Scholarship Recipient, Durham Arts Council Public Art Dialogue = Southeast Conference, 1989.
- Honorable Mention, University of Miami Campus Master Plan International Design Competition, 1986.
- Curriculum Development Grant, UNCC for a video entitled *Site Planning: A Moving Perspective*, 1986.
- Penny White Student Projects Fund, *The Garden in the Desert*, Harvard University, 1982.
- The SWA Student Summer Internship Program, 1981.

PROFESSIONAL DEVELOPMENT: Planning and Design

- Tukaseegee Park Design, Mt. Holly, NC, April 2007, Open Space Consultant
- The Downtown Statesville & 115 Corridor/ Shelton Avenue Master Plan with Warren and Associates, ColeJenest & Stone et al, 2007
- Criteria for Bridge Locations along the Catawba River, Regional Staff Meeting, Charlotte, March 2007
- A Bridge and its Place, Urban Open Space Leadership Institute, April 2007
- Design Guidelines for Voluntary Residential Annexations in Mt. Holly, North Carolina, February 2006-2007.
- Strategic Plan for Mt. Holly, North Carolina with the UNCC Urban Institute, 2007. Available online at www.ui.uncc.edu/mtholly_project.
- Market Study for Mt. Holly, North Carolina with the UNCC Urban Institute 2007.
- Small Area Plan for the Mt. Holly Woods and Waters District with the UNCC Urban Institute, On-going 2007.
- Master Plan for Downtown Statesville with Warren and Associates, ColeJenest & Stone et al, 2006-2007.
- Mecklenburg County Government Center Parking Deck & Civic Plaza, Charlotte, North Carolina (with the Freelon Group, ColeJenest & Stone, Walker Parking, RTKL et.al.), 2004-2006. Available on-line at www.freelon.com/#context=detail,category,221.
- Panveno Residence, Charlotte, North Carolina, 2005.
- Gaston College Master Plan. Denver, North Carolina (with Freelon) 2004.
- Gaston College Preparatory School Master Plan, Gaston, North Carolina (with Freelon) 2003.
- African American Cultural Center, Pittsburgh, PA (with Freelon), 2002. Available online at www.freelon.com/#context=detail,state,243.
- West Park and Third Ward Vision Plan (with Civitas) Charlotte, North Carolina, 2002-2003. Available online at www.charmeck.org/NR/rdonlyres/esb4df60vuct4asmksyvnirov62y327bhsyjaefysojqof6ybbkfbcz56krmspy3e5kr6yhweuctqmp7qtp4t3d/ThirdWardVisionPlanDraft.pdf.
- Downtown Master Plan (with ColeJenest & Stone), Spartanburg, South Carolina, 2002-2003.
- Stewart Village, (with CCDS) Charlotte, North Carolina, 2002. Available online at www.coa.uncc.edu/ccds.
- Camden Village Master Plan, (with CCDS) Charlotte, North Carolina, 2002. Available online at www.coa.uncc.edu/ccds.
- Second Street Area Master Plan (with LandDesign & FMK) Charlotte, North Carolina, 2001-2002. Available online at www.charmeck.org/Departments/Planning/Area+Planning/Plans/Second+Ward+Neighborhood+Plan/home.htm.
- Arena Neighborhood Master Plan Design Charette, Steering Committee, Charlotte, North Carolina, 2001.
- South Tryon Street Area Master Plan (STAMP), with ColeJenest & Stone, Karnes Assoc. & Littlejohn Assoc., Charlotte, NC 2000-2001.
- Charlotte Mecklenburg Park and Recreation, Consultant on the Design of an Uptown Park, Charlotte, North Carolina, 2000.
- First Baptist Church, Consultant to The Adams Design Group, Charlotte. North Carolina, Fall 2000.
- First Union National Bank, Consultant on the Green on South Tryon Street, Charlotte, North Carolina, 2000.
- Second Street Corridor Study, with the CCDS, Charlotte, North Carolina, 2000.
- Uptown Open Space Study (with CCDS) Charlotte, North Carolina, 1999.
- Byrn Athyn Cathedral Master Plan Study, Byrn Athyn, Pennsylvania, 1998.
- Southpark School Master Plan, Charlotte, North Carolina, 1998.
- Catawba County Science Center, Children's Science Play Yard, Hickory, North Carolina, 1998.
- Uptown Trolley Study (with CCDS), Charlotte, North Carolina, 1997.
- Uptown Arena and Park Study (with CCDS), Charlotte, North Carolina, 1997.
- Anson County Rail Trail, Anson County, North Carolina, 1995-1996.
- First Presbyterian Playground Design and Renovation, Charlotte, North Carolina, 1996.
- Cleveland Center Master Plan, *The Restoration Garden*, Shelby, North Carolina, 1996-1997.
- Bostonian Hotel Roof Garden, Boston, Massachusetts, 1996.
- JT Williams Middle School (with Shook Design), Charlotte, North Carolina, 1996-1997.
- Briarwood Elementary School (with Shook Design), Charlotte, North Carolina, 1996-1997.
- *Anita Stroud Park*, Charlotte Mecklenburg Public Housing Authority, Charlotte, NC, 1996.
- Siegfried Residence, Charlotte, North Carolina, 1995.
- Eastover Elementary School Master Plan and Playground, Charlotte, NC, 1994-1996.
- Providence Plantation Swim and Racket Club Planting Design, Charlotte, North Carolina, 1995.
- *Leftover Lands*, Opportunity Inventory, Charlotte Mecklenburg Public Art Commission, 1995.
- Greensboro Market Street Redevelopment Plan, Greensboro, North Carolina, 1994.
- *Compost Corner*, The Museum of Life and Science, Durham, North Carolina, 1993.
- *The Playful Garden* and *REPLAY*, Plaza Road Preschool, Charlotte, North Carolina, 1992.
- *The Courtroom*, Charlotte/Mecklenburg Criminal Courts Plaza, Charlotte, North Carolina, 1990.
- *CHAIRS!*, Davidson County Art Museum, Lexington, North Carolina, 1990.
- *The Playful Forest*, McKee Road Elementary School, Charlotte, North Carolina, 1990.
- Four Corners Plan, Uptown Charlotte Development Committee, Charlotte, North Carolina, 1989.
- City Trees for Freedom Park, Steering Committee, Charlotte, North Carolina, 1988.
- *Symphony in the Dirt*, Charlotte Symphony Women's Association ASID Designer House, Charlotte, North Carolina, 1988.
- *Leggo the Octopus*, Hidden Valley Elementary School, Charlotte, North Carolina, 1988.
- A Citizen's Guide to Planning and Local Government, Brunswick County Planning Dept. 1980.
- *Holden Beach Access Plan*, Brunswick County Planning Department, Bolivia, North Carolina, 1980.

- *City of Southport, Downtown and Waterfront Revitalization Plan, Stateport Pilot*, January 1980.
- *A Geriatric Center, Dorthea Dix Hospital*, North Carolina State University, Department of Architecture, January 1977.

PROFESSIONAL DEVELOPMENT: Papers and Publications

- *Rethinking Waterfront Infrastructure and Urbanization*, Just Add Water, 2007 ACSA Southwest Fall Conference, Austin, Texas, October 2007.
- *Rethinking Architecture as a Lens on Stewardship*, Assuming Responsibility: The Architecture of Stewardship, ASCA Southeast Fall Conference, Washington, DC, October 2007.
- *Three Good Men: Understanding Regionalism Through Relationships*, Association for Community Design Annual Conference, Los Angeles, CA, Spring 2006.
- *OPUS: Optimist Park Urban Design Study*, Self-published by the CCDS in cooperation with Harvard University, 2004. Online at www.coa.uncc.edu/ccds/opus.shtml
- *The Urban Open Space Leadership Institute: Resource Notebook*, Self-published by the CCDS, November 2004.
- *The Mayor's Institute on City Design/ South: Resource Notebook*, Self-published by the CCDS, May 2004.
- *A Transcultural Field Study in Byrn Athyn, Pennsylvania*, American Collegiant Schools of Architecture (ACSA) International Conference, Hong Kong, June 2000. Published in the conference proceedings.
- *Stewart Village*, Charlotte Community Design Studio (CCDS) book and CD, May 2002. Online at www.coa.uncc.edu/ccds/stewartvillage.shtml.
- *The Mayor's Institute on City Design/ South: Resource Notebook*, Self-published by the CCDS, 2002.
- *Camden Square Village*, Charlotte Community Design Studio (CCDS) book and CD, December 2001. Online at www.coa.uncc.edu/ccds/camdensq.shtml.
- *Affordable Housing: Livable Neighborhoods Pattern Book*, Charlotte Community Design Studio (CCDS), Charlotte, NC, May 2000.
- *TURF BOOK: Urban Open Space in Uptown Charlotte*, Self Published with COA Students, 1999.
- *Outside Lies Magic: Regaining History and Awareness in Everyday Places* By John Stilgoe, Book Review, *LandForum*, Winter 1999.
- *HELLO AGAIN!*, Editor, Newspaper Insert to the *Charlotte Observer*, Tryon Center for Visual Art, 1998-1999.
- *Nature in the City: Trains, Planes and Wildflowers*, Catalyst 97' The Design and Environment Conference, Centre for Environmental Philosophy Planning and Design, U of Canberra, 1997.
- *A Response to Design in the Practice of Landscape Architecture and Ecofeminism* by John Drumgold, Catalyst 97' The Design and Environment Conference, Centre for Environmental Philosophy Planning and Design, University of Canberra, December 1997.
- *Feminism: The Via Media*, American Collegiant Schools of Architecture (ACSA) West Annual Conference, University of Hawaii, Manoa, Hawaii, February 1996. Published in the Conference Proceedings.
- *The Authentic Student*, (with Sue Anne Ware), American Society of Landscape Architects (ASLA) Annual Meeting, First Annual Education Forum, Cleveland, Ohio, October 1995. Published in the Conference Proceedings.
- *REPLAY: A Place for Social and Environmental Education*, Women, Politics and Environmental Action, Moscow, Russia, June 1994.
- *Communicating an Environmental and Social Ethic Through REPLAY*, Council of Educators in Landscape Architecture (CELA) Annual Meeting, University of Oregon, Eugene, Oregon, 1993.
- *The Other Perspective: Why Precedents No Longer Apply*, Women Land Design Symposium, Radcliffe College, April 1993 excerpts published in *The New York Times*, May 1993, *Landscape Architecture*, Summer 1993, *Newsweek*, Fall 1993 and *Family Life*, 1994.
- *Prospect, Landscape Architecture*, December 1992.
- *Acknowledging Common Ground: Landscape Architecture as a Feminist Art*, *ARTVU*, Fall 1991/Volume 5, No. 2, pp. 16-21.
- *Cyclical Attitudes: Nature = Health (Again)*, Council of Educators in Landscape Architecture (CELA), Denver, 1990.
- *Art and Play: Opportunities in Children's Recreation*, CELA, Denver, 1990.
- *The Playful Forest, McKee Road Elementary School, Charlotte, North Carolina: Case Study and Youth Focus Group Report*, Playful City Conference at Stanford University, Palo Alto, CA, June 1990 (Not presented due to lack of funding.)
- *Children and Public Art*, 8th International Making Cities Livable Conference in Siena, Italy, June 1990.
- *Playing with Public Art, Landscape Architecture*, September 1990, pp. 76-78.
- *Public Art, Children and Playgrounds, Children's Environments Quarterly*, Vol. 7, #3, 1990, pp. 23-31.
- *Communicating Space and Capturing Place: A Video Perspective*, Invited lecture. Changing Perspectives, A Symposium and Workshop to Celebrate the 25th Anniversary of Landscape Architecture at Rutgers, April 1990.
- *Landscape Architecture as Public Art in Charlotte*, *NCASLA Newsletter*, July - September, 1989. Vol. IV, #13.
- *Visual Analysis and Sequential Site Planning*, Rhode Island School of Design, Spring 1988.
- *Nature in the City: Necessity or Luxury?*, 6th International Conference on Making Cities Livable in Charleston, 1989.
- Excerpts in *Towards a New American Garden* by Carole Ottesen from *The Garden in the Desert*, Fall 1988.
- *Attitudes Toward Health: In Search of Refuge in the Small Town and City*, 7th Annual Chataugua, MSU, 1986.
- *The Machine Aesthetic: A Second Coming*, NE Regional Meeting of the Association of Collegiate Schools of Architecture, NJIT, 1986.
- *Site Planning: A Moving Perspective*, 1987 CELA, Rhode Island School of Design, Providence, Rhode Island and the 1988 International Federation of Landscape Architects (IFLA) Conference in Boston, Massachusetts.
- *Park Design Lacks Uniqueness*, *The Charlotte Observer*, June 7, 1987.
- *Independence Plaza Park Design Not What Its Cracked Up To Be, Creative Loafing*, 1987.
- *Landscape Architecture at UNCC, NCASLA Newsletter*, Spring 1987.
- *Symphony in the Dirt: A Lesson in Service, NCASLA Newsletter*, Summer 1987.
- Book Review of *Coping with Abundance* by Martin V. Melosi, *American Studies*, Fall 1986.
- Book Review of *The Tourist: Travel in Twentieth Century North America* by John A. Jackle, *American Studies*, Fall 1986.
- *The Garden in the Desert*, Penny White Student Projects Fund, Harvard University, 1983.
- *A Citizen's Guide to Planning and Local Government*, Brunswick County Planning Dept. 1980.
- *Holden Beach Access Plan*, Brunswick County Planning Department, 1980.
- *City of Southport, Downtown and Waterfront Revitalization Plan, Stateport Pilot*, January, 1980.
- *A Geriatric Center, Dorthea Dix Hospital*, North Carolina State University, Department of Architecture, January, 1977.

PROFESSIONAL DEVELOPMENT: Case Studies

- *Developing Criteria for an Evaluation of Potential Bridge Sites along the Catawba River*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, April 2007.
- *Green Infrastructure and Riverfront Access in Belmont, North Carolina*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *The Cost of Being Central: Rethinking the Value of the City's Maintenance Yards in Charlotte*, North Carolina, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Repairing a Hole in the Urban Fabric in Gastonia, North Carolina*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Re-creating an Authentic Downtown Commercial District in Kannapolis, North Carolina*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Designing a Gateway for Mt. Holly, North Carolina*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Protecting an Historic Downtown Core in Mt. Pleasant, North Carolina*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Traditional Downtowns vs. New Town Centers: Making the Fight Fair in Statesville, North Carolina*, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Reconsidering the Town Hall as a Civic Space in Waxhaw, North Carolina*, Urban Open Space Leadership Institute, November 2006.
- *Urban Open Space as a Component of Campus Planning*, Statesville, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Urban Open Space as a Means Towards Visual Mitigation*, Cabarrus County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Remaking a Place*, Charlotte, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, November 2006.
- *Making a Meaningful Gateway*, Fort Mill, SC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, November 2006.
- *Making a Place for a Pavilion*, Gastonia, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, November 2006.
- *A YMCA as an Urban Open Space and a Tool for Economic Development*, Marshville, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Designing a Corridor to Connect Downtown Mt. Holly to the Riverfront*, Mt. Holly, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2006.
- *Remaking a Place*, Spencer, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, November 2006.
- *Urban Open Space as a Component of Campus Planning*, Barium Springs, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, April 2006.
- *Urban Open Space as a Means Towards Visual Mitigation*, Cabarrus County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, April 2006.
- *Remaking a Place*, Charlotte, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, April 2006.
- *Making a Meaningful Gateway*, Fort Mill, SC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, 2006.
- *Making a Place for a Pavilion*, Gastonia, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, 2006.
- *A YMCA as an Urban Open Space and a Tool for Economic Development*, Marshville, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, April 2006.
- *Designing a Corridor to Connect Downtown Mt. Holly to the Riverfront*, Mt. Holly NC, April 2006. Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, April 2006.
- *Remaking a Place*, Spencer, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, April 2006.
- *Expanding an Historic Government Center*, Anson County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2005.
- *Reconsidering an Abandoned School Site*, Cabarrus County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2005.
- *Urban Open Space and Economic Development via A New Equestrian Center*, Gaston County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2005.
- *Reconsidering the County Fairgrounds as Urban Open Space*, Iredell County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2005.
- *Creating a Vision for High Rock and Tuckertown Lakes*, Rowan County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2005.
- *A Gateway to Lake Tillery*, Stanly County, NC, Urban Open Space Leadership Institute Briefing Book, Published by the CCDS, November 2005.
- *Rethinking the Potential of a Closed Industrial Site on the Banks of the Catawba River*, York County, SC, Urban Open Space Leadership Institute Briefing Book, Published by the Charlotte Community Design Studio, November 2005.
- *Post Institute Presentation Summary CD*, Editor, Urban Open Space Leadership Institute, Published by the CDS, November, 2006.
- *Post Institute Summary*, Urban Open Space Leadership Institute, Published by the Charlotte Community Design Studio, 2006.
- *Post Institute Presentation Summary CD*, Editor, Urban Open Space Leadership Institute, Published by the CCDS, April 2006.
- *Post Institute Summary*, Urban Open Space Leadership Institute, Published by the Charlotte Community Design Studio, April 2006.
- *Post Institute Summary*, Urban Open Space Leadership Institute, Published by the Charlotte Community Design Studio, 2005.

- *Post Institute Presentation Summary CD*, Editor, Urban Open Space Leadership Institute, Published by the CCDS, November 2005.
- *Post Institute Presentation Summary CD*, Editor, Urban Open Space Leadership Institute, Published by the CCDS, November 2005.

PROFESSIONAL DEVELOPMENT: Lectures, Presentations and Exhibitions

- *Planning Strategies*, Mt. Holly City Council, 2006.
- *Mt. Holly Strategic Plan*, Mt. Holly Community Meeting, 2006.
- *Mt. Holly Design Guidelines*, Mt. Holly Community Meeting, 2007.
- *Ripples*, College of Architecture Advisory Board Meeting, Spring 2006.
- *The Urban Open Space Leadership Institute*, UNC Charlotte Spotlight on Research Televised Lecture Series, November 2005.
- *Public Art in Charlotte*, Charlotte City Council, November 2005.
- *Then and Now: The Value of Urban Open Space*, The UNC Charlotte Library Lecture Series in association with the John Nolen Exhibition 2006.
- *Urban Open Space and Public Health*, Urban Open Space Leadership Institute, Spring 2005.
- *Living Well in America: Understanding the Value of Urban Open Space*, UNC Charlotte Chancellor's Lecture Series, Spring 2006.
- *Remembering What Parks are for...* Keynote Address, Urban Open Space Leadership Institute, 2005.
- *Urban Open Space*, Citizens for Planned Growth, Stanley County, OSL Follow-up Site Visit to Oakboro, Spring 2005.
- *Urban Open Space*, UNC Charlotte Spotlight on Research Television Lecture Series, April 2005.
- *Urban Open Space*, WFAE Public Radio, January 2005.
- *Rozzelles Ferry Road Infill Neighborhood*, Charlotte Community Design Studio (CCDS), Public Presentation, Charlotte, NC, 2002.
- *Transit Oriented Development in South End*, Charlotte Community Design Studio (CCDS), Public Presentation, Charlotte, NC, 2001.
- *Transit Oriented Development in SouthEnd*, Mecklenburg County Agency Managers, December 2001.
- *Urban Open Space in Uptown Charlotte*, Board Meeting, Trust for Public Land, April 2000.
- *Urban Open Space in Uptown Charlotte*, Board Meeting, Charlotte Mecklenburg Parks Commission, April 2000.
- *The Second Street Corridor Exhibition*, Charlotte Mecklenburg Government Center, April 2000.
- *The Second Street Corridor Exhibition*, First Union National Bank Atrium, March 2000.
- *The Second Street Neighborhoods*, CCDS Public Presentation, Charlotte, North Carolina, December 1999.
- *Urban Open Space in Uptown Charlotte*, CCDS Public Presentation, May 1999.
- *Urban Open Space in Uptown Charlotte*, City Manager's Business Manager's Meeting 1999.
- *Urban Open Space in Uptown Charlotte*, Charlotte AIA Meeting, July 1999.
- *Swedenborgian Doctrine as a Narrative Construct in the Design of a Chapel*, Byrn Athyn, Pennsylvania, October 1998.
- *Swedenborgian Doctrine as a Narrative Construct in a Master Plan for*, Byrn Athyn, Pennsylvania, February 1999.
- *Teaching Architecture as a Means to Understanding Swedenborgian Doctrine*, (with Frank Vagnone) International Gathering of Swedenborgian Educators, Byrn Athyn, Pennsylvania 1999.
- *Nature in the City: Trains, Planes and Wildflowers*, Catalyst 97' The Design and Environment Conference, Centre for Environmental Philosophy Planning and Design, U of Canberra, 1997.
- *A Response to Design in the Practice of Landscape Architecture and Ecofeminism by John Drumgold*, Catalyst 97' The Design and Environment Conference, Centre for Environmental Philosophy Planning and Design, University of Canberra, December 1997.
- *Feminism: The Via Media*, American Collegiant Schools of Architecture (ACSA) West Annual Conference, University of Hawaii, Manoa, Hawaii, February 1996. Published in the Conference Proceedings.
- *The Authentic Student*, (with Sue Anne Ware), American Society of Landscape Architects (ASLA) Annual Meeting, First Annual Education Forum, Cleveland, Ohio, October 1995 Published in the Conference Proceedings.
- *The Nature of Control: The Control of Nature*, Albright-Knox Art Gallery Lecture Series, Buffalo, New York, 1995.
- *The Mythology of Fresh Air*, Lecture to the UNCC Language and Learning Institute, 1996.
- *Feminism: The Via Media in Architectural Education*, Lecture to the CAIA Women in Architecture Meeting, 1996.
- *The Authentic Student*, (with Sue Anne Ware), American Society of Landscape Architects (ASLA) Annual Meeting, First Annual Education Forum, Cleveland, Ohio, October 1995, Published in the Conference Proceedings.
- *The Art of Landscape*, Davidson County Art Museum, Lexington, North Carolina, August 1995.
- *The Nature of Control: The Control of Nature*, Albright-Knox Art Gallery Lecture Series, Buffalo, New York, 1995.
- *REPLAY: A Place for Social and Environmental Education*, Women, Politics and Environmental Action, Moscow, Russia, June 1994.
- *Relationships from Self to Site*, Lecture to the CAIA Women in Architecture Meeting during Architecture Week, Spring 1994.
- *Communicating an Environmental and Social Ethic Through REPLAY*, Council of Educators in Landscape Architecture (CELA) Annual Meeting, University of Oregon, Eugene, Oregon, 1993.
- *The Other Perspective: Why Precedents No Longer Apply*, Women Land Design Symposium, Radcliffe College, April 1993.
- *Feminism in the Landscape*, Department of Architecture Lecture Series, Drury College, Springfield Missouri, November 1992.
- *The Landscape as Idea: But Whose? A Feminist Perspective*, The Landscape as Idea, UNCC, Charlotte 1991.
- *Cyclical Attitudes: Nature = Health (Again)*, Council of Educators in Landscape Architecture, Denver, 1990
- *Art and Play: Opportunities in Children's Recreation*, CELA, Denver, 1990.
- *NCASLA Landscape Architecture Awards: Beyond the Status Quo*, NCASLA Annual Meeting, Morehead City, September 1990.
- *Children and Public Art*, 8th International Making Cities Livable Conference in Siena, Italy, June 1990.
- *Visual Analysis and Sequential Site Planning*, Rhode Island School of Design, Spring 1988.
- *Nature in the City: Necessity or Luxury?*, 6th International Conference on Making Cities Livable in Charleston, 1989.
- *The Dead Body Syndrome: Disease as a Form Determinant in the Built Environment*, Invited Lecture, Harvard University, 1987.
- *Attitudes Toward Health: In Search of Refuge in the Small Town and City*, 7th Annual Chataugua, MSU, 1986.
- *The Machine Aesthetic: A Second Coming*, NE Regional Meeting of the Association of Collegiate Schools of Architecture, NJIT, 1986.

SERVICE: Community Engagement

- Regional Staff Meeting, CCDS, March 2007
- Development 103: Public Private Partnerships, Planning Committee Member, ULI Charlotte, April 2007
- Design Charette, City of Statesville, February 2007
- Housing Charlotte 2007, Contribution to Planning Committee, 2007
- Crescent Resources Property/ IKEA review, Charlotte Mecklenburg Planning Commission, June 2006
- YOUR TOWN: Citizens' Institute on Rural Design, Design Program, National Endowment for the Arts with Upstate Forever, Resource Team Member, Spartanburg, South Carolina, September 2006.
- Cultivating Creative Communities Conference with Partners for Livable Communities, Steering Committee, Charlotte, 2005-2006.
- Freedom Mall Public Art Project with Topher Delaney, February 2007.
- Design Charette, City of Statesville, February 2007.
- Mt. Holly City Council, Housing Charlotte 2007, Sponsored by the Charlotte City Council, Honorary Chairs Hugh McColl, Jr. and Shirley Fulton, February 2007.
- Environmental Convening Initiative, Charlotte Mecklenburg Community Foundation, 2006.
- Anson County Courthouse Expansion, CCDS, 2006.
- Catawba Thread Trail Steering Committee, 2006-2007.
- University City Partners Board of Directors, 2004-2008. Member of the Inaugural Land Use Committee, 2007.
- Urban Land Institute Charlotte Inaugural Legacy Award, Chair, Fall 2005.
- Carolina Regional Trail Summit, Spring 2006.
- Design Resource Center Summit: Growing the SouthEnd Design District, Spring 2006.
- Charlotte Mecklenburg Public Art Commission, 2000-2006, Chair for 2005-2006.
- Charlotte Mecklenburg Arts and Science Council, 2005-2006.
- Crossroads Charlotte, Arts & Science Council Representative, 2005.
- Site Visit to Belmont, NC with Mayor Richard Boyce, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Mt. Holly, NC with Mayor Pro Tem Phyllis Harris, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Gastonia, NC with City Council Member, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Statesville, NC with Mayor Costi Kutteh, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Waxhaw, NC with Mayor Gary Underwood, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Mt. Pleasant, NC with Mayor, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Kannapolis, NC with Mayor, Urban Open Space Leadership Institute, Fall 2006.
- Site Visit to Charlotte, NC with City Council Member Anthony Foxx, Urban Open Space Leadership Institute, Fall 2006.
- OSL Follow-up Site Visit to Statesville, Mitchell Community College, Spring 2007.
- OSL Follow-up Site Visit to Mt. Holly, Economic Development Foundation, Spring 2006.
- OSL Follow-up Site Visit to Mt. Holly, City Council, Spring 2006.
- OSL Follow-up Site Visit to Statesville, Mayor John Marshall, Summer 2005.
- OSL Follow-up Meeting in Albemarle with Art Rogers, Summer 2005.
- OSL Follow-up Meeting in Albemarle with Art Rogers, September 2005.
- OSL Follow-up Meeting in Albemarle with Vicki Coggins, October 2005.
- OSL Follow-up Site Visit to Davidson, City Council Member Margo Williams, Summer 2005.
- OSL Follow-up Site Visit to Shelby, Mayor Ted Alexander for Weed and Seed Program, Fall 2005.
- Site Visit to Barium Springs, NC, Urban Open Space Leadership Institute, Spring 2006.
- Site Visit to Cabarrus County, NC with County Commissioner Bob Carruth, Urban Open Space Leadership, Spring 2006.
- Site Visit to Charlotte, NC with City Council Member Nancy Carter, Urban Open Space Leadership Institute, Spring 2006.
- Site Visit to Fort Mill, SC with City Council Member Guynn Savage, Urban Open Space Leadership Institute, Spring 2006.
- Site Visit to Gastonia, NC with Mayor Jennie Stultz, Urban Open Space Leadership, Spring 2006.
- Site Visit to Marshville, NC with Mayor Frank Deese, Urban Open Space Leadership Institute, Spring 2006.
- Site Visit to Mt. Holly, NC with Mayor Robert Whitt, Urban Open Space Leadership Institute, Spring 2006.
- Site Visit to Spencer, NC with former Mayor Buddy Gettys, Urban Open Space Leadership Institute, Spring 2006.
- Site Visit to Anson County, NC with County Commissioner O'Neil Jones, Urban Open Space Leadership Institute, Fall, 2005.
- Follow-up Presentation to the Anson County Commission, Spring 2006.
- Site Visit to Cabarrus County, NC with County Commissioner Joni Juba, Urban Open Space Leadership Institute, Fall, 2005.
- Follow-up Presentation Midland City Council in Cabarrus County, NC Spring 2006.
- Site Visit to Gaston County, NC with County Commissioner Jeff Updike, Urban Open Space Leadership, Fall, 2005.
- Site Visit to Iredell County, NC with County Commissioner Marvin Norman, Urban Open Space Leadership Institute, Fall 2005.
- Site Visit to Rowan County, NC with County Commissioner Steve Blount, Urban Open Space Leadership Institute Fall 2005.
- Site Visit to Stanly County, NC with Chamber of Commerce President John Mullis, Urban Open Space Leadership Institute, Fall 2005.
- Public Art in Charlotte, Charlotte City Council, Spring 2005.
- Charlotte Mecklenburg Arts and Science Council, 2005-2008.
- University City Partners Board of Directors, 2004-2008.
- Crossroads Charlotte, Arts and Science Council Panel Participant, 2004.
- Margarita Society Board of Directors, 2004.
- Charlotte Mecklenburg Public Art Commission, 2000-2005; Chair, 2005-2008.
- Foundation of the Carolinas, Open Space Forum, CCDS Representative, 2005.
- Weed and Seed Committee, Shelby, North Carolina, 2005-.
- Regional Greenway Network, Hosted meeting at the CCDS in coordination with the Centralina Council of Governments, 2004.
- Provided and coordinated speaker Brenda McClymonds to the Trust for Public Land/ Catawba Lands Conservancy, 2005.
- OSL Site Visit to Mineral Springs, Mayor Rick Becker, Spring 2005.

- OSL Site Visit to Badin, Mayor Tom Harrison, Spring 2005.
- OSL Site Visit to Davidson, Councilwoman Margo Williams, Spring 2005.
- OSL Site Visit to Mount Holly, Dr. Lee Beatty/ Chair Mt. Holly Economic Development Commission, Spring 2005.
- OSL Site Visit to Charlotte's Cherry neighborhood, Cherry Neighborhood Board of Directors, Spring 2005.
- OSL Site Visit to Rock Hill, Councilwoman Kathy Pender, Spring 2005.
- OSL Site Visit to Albemarle, Art Rogers/ Chair Albemarle Economic Development Commission, Spring 2005.
- OSL Site Visit to York, Mayor Eddie Lee, Spring 2005.
- OSL Follow-up Site Visit to Indian Trail, Planning Staff, Spring 2005.
- OSL Follow-up Site Visit to Rock Hill, Economic Development Commission and Downtown Landowners, Spring 2005.
- OSL Follow-up Site Visit to Statesville, Mayor John Marshall, Summer 2004.
- OSL Follow-up Site Visit to Weddington, Mayor Nancy Anderson, Summer 2004.
- OSL Follow-up Site Visit to Statesville, Mayor John Marshall, Fall 2004.
- OSL Follow-up Site Visit to Shelby, Mayor Ted Alexander, Fall 2004.
- Assisted ULI Charlotte in setting up a Technical Assistance Program (TAP) as a follow-up to the OSL in Weddington, 2005.
- Arranged for OSL Follow-up Site Visits by Ike Heard to Cornelius City Council, Fall 2004
- OSL Site Visit to Shelby, Councilman Dicky Amayo, Fall 2004.
- OSL Site Visit to University City, Mary Hopper/ Director, University City Partners, Fall 2004.
- OSL Site Visit to Indian Trail, Mayor Doug Echols, Fall 2004.
- OSL Site Visit to Oakboro, Councilman Terry Whitley, Fall 2004.
- OSL Site Visit to Salisbury, Councilman Bill Burgin, Fall 2004.
- Arranged for OSL Follow-up Site Visits by Tom Hester to Salisbury and Indian Trail, Spring 2005.
- Partnered with University City Partners and arranged for keynote speaker Tom Hester to present at a Breakfast Briefing, 2005.
- CAIA Luncheon, Provided speaker Mark Johnson in partnership with the OSL, November 2004
- CAIA Luncheon, Provided speaker Don Killoren in partnership with the OSL, January 2005.
- Marketing the CCDS, Panelist, Society of Marketing Professionals in the Design and Construction Industries, 2004.
- Civic Design Forum, Charlotte, Fall 2004.
- Charlotte Mecklenburg Public Housing Scholarship Fundraising Breakfast, Fall 2004.
- MICD Site Visit to Gastonia, NC, Mayor Jennifer Stultz, 2004.
- MICD Site Visit to Spartanburg, SC, Mayor William Barnett III, 2004.
- MICD Site Visit to Franklin, Tennessee, Mayor Tom Miller, 2004.
- MICD Site Visit to West Palm Beach, FL, Mayor Lois Frankel, 2004.
- MICD Site Visit to Tallahassee, FL, Mayor John Marks, 2004.
- MICD Site Visit to Prattville, Alabama, Mayor Jim Byard, 2002.
- MICD Site Visit to Hilton Head, SC, Mayor Tom Peeples, 2002.
- MICD Site Visit to Ashville, NC, Mayor Charles Worley, 2002.
- MICD Site Visit to Ft. Myers, FL, Mayor Jim Humphrey, 2002.
- Hands On Charlotte Team Leader, May 2000.
- School Volunteer, Morehead Elementary School, 1999-2000.
- SWAT Team Training, Summer 2000.
- Lincolnton Downtown Design Charette, Facilitator, 2000.
- Trolley Public Art Charette, Resource Team Member, 1999.
- Community Workshop Facilitator, 2010 Plan for Uptown Charlotte, 1999.
- Leadership Charlotte Board of Directors, 1998-2000.
- Trolley Public Art Charette, 1999.
- Chair, National Endowment for the Arts Grants Committee, 1999.
- Panelist, National Endowment for the Arts Grants Committee, 1998.
- Greensboro Market Street Redevelopment Plan, Greensboro, North Carolina, 1996.
- *Leftover Lands*, Opportunity Inventory, Charlotte Mecklenburg Public Art Commission, 1995.
- *The Gathering*, Neighborhood Park and Playground, Fairview Homes, Charlotte Mecklenburg Public Housing Authority, 1995-1996.
- Master Plan for the Town of Surf City, North Carolina, Spring 1994.
- Consultant to the Lincolnton, North Carolina Rail Trail, Spring 1994.
- Easter Seals Team Leader, 1992-1993.
- City Trees for Freedom Park, Steering Committee, 1991.
- Advisory Committee Member, American Collegiant Schools of Architecture (ACSA) Task Force on the Status of Women, 1990.
- Consultant to the Uptown Charlotte Development Committee for the Four Corners Plan, 1990.
- *The Playful Forest*, McKee Road Elementary, Design, Development and Construction, 1990.
- *Leggo the Octopus*, Hidden Valley Elementary School Playground Earthwork, Design, Development and Construction, 1988.
- AIA Education Committee, Faculty Representative, 1989 –1991.
- AIA Traveling Fellowship Committee, Spring 1987; Chair, 1988-1991, 1994-1996.
- Regional Judge, *Odyssey of the Mind*, 1989.
- Elizabeth House Tour, Private Residence included in Tour as a successful renovation, 1988.
- Community Resource Volunteer, Charlotte Mecklenburg School System, 1987- 1988.
- ASID Designer House, Grounds Committee Chair, 1986.
- *Symphony in the Dirt*, Charlotte Symphony Women's Association ASID Designer House, 1986.
- Elizabeth Neighborhood Association. Independence Drive Supplemental Environmental Impact Statement Review, 1987.
- NCASLA Committee Member: Membership, Education/UNCC Liaison, Public Relations, 1987-1990.
- Panelist, Landscape Architectural Education in North Carolina, NCASLA Annual Meeting, Morehead City, September 1990.
- Freedom Park Design Charrette, 1987.

SERVICE: University and College

- Founder and Coordinator, Charlotte Community Design Studio (CCDS), 1999- 2007.
- Director, Urban Open Space Leadership Institute (OSL), 2004-2007.
- Freedom by Design, AIAS Faculty Advisor, 2007.
- UNCC Grievance Committee, 2007-2010.
- UNCC COA Master of Urban Design (MUD) Planning Committee, 2007.
- UNCC Campus Circulation Master Plan Review, 2006
- UNCC Honorary Degree Committee, 2006-2009.
- UNCC University Curriculum Committee, 2006-2009.
- UNCC Campus Circulation Master Plan Review, 2006.
- UNCC Applied Public Policy Focus Group, April 2007.
- UNCC COA Fifth Year Admissions Committee, 2005-2007.
- UNCC COA Faculty Search Committee, 2005-2006.
- UNCC Campus Circulation Master Plan Review, 2006.
- CCDS Outdoor Exhibition Coordination at the Design Center of the Carolinas, 2006.
- UNCC College of Architecture Fifth Year Admissions Committee 1998-2000, 2005.
- UNCC College of Architecture Lecture Committee, 1985-1986; Chair, 1986-1987, 2005.
- UNCC College of Architecture College Review Committee Committee 1999-2002.
- UNCC Summer School Committee 1997-2000.
- UNCC COA College Review Committee Committee 1998-1999.
- UNCC Summer School Committee 1997-2000, Chair, 1999.
- UNCC College of Architecture, Faculty Search Committee, 1998, Chair, Spring 1997.
- UNCC Hearing Committee (Elected Member), Spring 1994-1998.
- UNCC Honorary Degree Committee (Elected Alternate Member), Spring 1994-1997.
- UNCC Office of Research Advisory Committee, 1991-1998.
- Consultant to the UNC Charlotte Campus Planning Selection and Design Process, 1993-1994.
- UNCC College of Architecture Renewal, Promotion and Tenure (RPT) Rewrite Committee, 1993- 1994.
- UNCC Environmental Academy, Founding Member, 1992-.
- UNCC Excellence in Teaching Committee, 1992.
- Panel Chair, ACSA Southeastern Conference, UNCC, November 1991.
- UNCC Faculty Women's Action Association, Steering Committee, 1990 – 1992.
- UNCC Women's Center Advising Board, 1990-1991.
- Chair, Competition Organizer and Advisor, Spring Experience, UNCC COA, 1990.
- UNCC COGE Writing Intensive Advisory Board, 1990-1991.
- UNCC College of Architecture Freshman Admissions Committee, 1986, 1991-1993; Chair, 1986-1987 and 1988-1989, 1992-1993.
Created the interview process that includes currently enrolled students that is still used today.
- College of Architecture Graduation Committee, Chair, 1986.
Created the first COA Graduation Ceremony separate from the University
- UNCC University Merit Awards, Committee Chair, 1989.
- UNCC Cardboard Boat Race, Judge, 1987 and 1992.

PROFESSIONAL MEMBERSHIPS:

- Urban Land Institute Member, 2000- Present; Chair, ULI Charlotte Inaugural Lifetime Achievement Award, 2005-, Co-founder, ULI Charlotte Internship Program.
- ASLA Member, 1984 – 1992.
- NC ASLA Member, 1986 - 1992, Member-at-Large, 1991.

Extended Teaching Activities

- Arranged for students to visit Greenville, South Carolina and Chattanooga, Tennessee, Spring 2007.
- Arranged for students to take a boat trip down the Catawba River, Spring 2007.
- *Creative Site Investigation*, Dr. Jose Gamez's Graduate Studio, UNC Charlotte Fall 2005, Spring 2007.
- *Wikiplanning*, Professor Samuel's Graduate Methods Class, UNC Charlotte, Spring 2007.
- Studio Reviews, Fall 2006.
- Arranged for students to participate in the first ULI Charlotte Student Internship Program, 2004 and then continuing on an annual.
- Arranged for students to attend the ULI Northwest Corridor Plan Presentation, 2002.
- Hosted candidates for COA Dean Search, 2001.
- Graduate Thesis Advisor, 1999-2000.
- Arranged for students to visit Carolina Theatre, May 2000.
- Arranged for students to visit the Salvation Army Women's Homeless Shelter, May 2000.
- Arranged for students to visit the Afro-American Center, May 2000.
- Arranged for students to visit the Police Memorial, May 2000.
- Arranged for students to visit the Uptown Jail, May 2000.
- Arranged for students to visit Harvey Gantt, May 2000.
- Arranged for students to visit the Police Training Facility, May 2000.
- Arranged for students to visit the Beth el Jewish Temple, May 2000.
- Arranged for students to participate in Hands On Charlotte, May 2000.
- Arranged for students to participate as tutors and lunch buddies at Highland Elementary School, May 2000.

- Arranged for students to participate in the AIDS fundraiser “Guess Who’s Coming to Dinner”, May 2000.
- Arranged for students to participate in a Ropes Training Leadership Course, May 2000.
- Arranged for students to participate in Self Defense Training, May 2000.
- Arranged for students to participate in SWAT team training, May 2000.
- Coordinated and arranged for students to participate in Lincolnton Design Charette, Spring 2000
- Arranged for students to participate in *Voices and Choices*, Spring 2000.
- Arranged for student field trip to Paris, Spring 2000.
- Arranged for student field trip to Boston, Fall 1999.
- Arranged for First Year students to attend local ULI educational seminar, Fall 2000.
- Hosted Accreditation Team Lunch at CCDS, Spring 1999.
- Arranged for Tour of the Tryon Center for Visual Art for COA faculty and students, Spring 1999, Summer 2000.
- Arranged for Tour of the Mint Museum of Craft + Design for COA faculty and students, Spring 1999.
- Arranged for students to participate in Community Workshop for the 2010 Plan for Uptown Charlotte, Spring 1999.
- Arranged for student field trip to Paris, Spring 1999.
- Arranged for student field trip to Byrn Athyn, Pennsylvania, Fall 1998.
- Hosted First Year Seminar Lecture and Tour of Uptown Charlotte, Spring 1999.
- Assisted Amy Forsyth in coordinating a COA lecture with the Mint’s Director of Education, Mary Beth Crawford, Spring 1999.
- Hosted Jim Asbel’s and Holly Grovsnor’s classes for a lecture on the History of uptown Charlotte, Spring 1999.
- Hosted Peter Wong’s graduate class, Spring 1999.
- Arranged for Tour of the Tryon Center for Visual Art for COA faculty and students, Spring 1999.
- Arranged for Tour of the Mint Museum of Craft + Design for COA faculty and students, Spring 1999.
- Brought to studio: Frank Vagnone, Director of the Byrn Athyn Cathedral, Nina Simonetti, Architect, Fall 1998.
- Arranged for lecture by FMK Architects about the renovation of the Tryon Center for Visual Art, Spring 1999.

Extended CCDS Activities:

- Developed and Administered Budget for Urban Open Space Leadership Institute, 2004-2007.
- Managed relationship with the Knight Foundation, 2004-2007.
- Hired, Trained and Managed Program Assistant Jon Shaver and six student interns, 2004-.
- Developed and Administered Budget for Mayors’ Institute, 2002, 2004 and 2006.
- Developed and Administered Budget for Stewart Village Study, 2002.
- Managed CCDS move to SouthEnd, Spring 2001.
- Coordinated relationship with MECA Properties, Security and Administrative Staff, 2001-.
- Developed and Administered Budget for Enterprise Study, Spring 2000.
- Developed and Administered Budget for Second Street Corridor Study Study, Fall 1999.
- Administered student reimbursements for project supplies, 1999-Present.
- Arranged and raised money for student fieldtrips to Paris, Boston, Florida and Washington, DC, 1999-.
- Coordinated Computer Upkeep with COA IT Staff, 1999-Present.
- Coordinated relationship with Mint Museum of Craft + Design Maintenance, Security and Administrative Staff, 1999-2001.
- Coordinated relationship with UNC Charlotte Uptown Staff, 1999-2001.

CURRICULUM VITÆ
DAVID RUSSELL IAN WALTERS

PROFESSOR OF ARCHITECTURE AND URBAN DESIGN
UNC CHARLOTTE

EDUCATION

- 1964 Studies in Painting, Dartington Hall College of Art, Devon, UK
1965 - 68 Undergraduate Degree in Architectural Studies (with Honours)
University of Newcastle-upon-Tyne, England
1968 - 72 Graduate Degree in Architecture (with Honours: emphasis in Urban Design)
University of Newcastle-upon-Tyne
[British Terminal Professional Degree]

PROFESSIONAL AFFILIATIONS

- 1972 Registered Architect (Architects' Registration Council of the United Kingdom)
License # 039495
1972 Chartered Architect (Member of the Royal Institute of British Architects)
1989 Member of the South East Society of Architectural Historians (SESAH)
1993 Member of the Congress for the New Urbanism
1993 Member of the Society of American Planning Historians
1995 - 99 Charlotte / Mecklenburg Public Art Commissioner
1996 - 99 President of the Charlotte Urban Forum
2000 Member, Urban Land Institute
2000 Member, American Planning Association

ARCHITECTURAL / PLANNING PRACTICE EMPLOYMENT

- 1968 - 72 Community Architect, Inner City Action Group, Newcastle-upon-Tyne. *Advocacy planning and urban design for low-income neighborhoods.*
- 1970 - 72 Assistant Architect, Douglass Wise & Partners / Ralph Erskine Architects, Newcastle-upon-Tyne. *Assistant architect for Byker Community Redevelopment (Rehousing and urban design project for inner city neighborhood.)*
- 1972 - 76 Associate (Senior Associate 1974), Mervyn Seal & Associates, Brixham, Devon. *Small Town Infill Housing, Dawlish and Brixham, Devon; Historic Village Extension Master Plan and Housing, Lechlade, The Cotswolds.*
- 1977 - 83 Founding Partner, Matoff, Fox and Walters Architects, Plymouth, Devon (subsequently the Walters Fox Partnership). *Historic Building renovation and conversion, Urban Housing, Large -scale Urban Revitalization.*
- 1983 Urban Design / Town Planning Consultant: Community Revitalization Project, Madison, Mississippi. *New Town Plan and Zoning Ordinances*
- 1984 - 86 Urban Design Consultant: Wittenberg, Delony and Davidson, Little Rock, Arkansas. *Town Planning and Urban Design for a New Town, Shalimar Point, Destin, FL.; Research, programming & conceptual design for a new School of Law, University of Arkansas, Little Rock.*
- 1985 - 86 Single Project Partnership with Robert Ford Associates, Starkville, Mississippi.

Design of new Academic Building for the Dept. of Forestry and Aquaculture, Mississippi State University.

- 1985 - 86 Consultant Architect for the Arkansas Territorial Restoration, Little Rock, Arkansas.
Research programming & conceptual design for a new museum facility.
- 1986 Urban Design Consultant: Allison Moses Redden Architects, Little Rock, Arkansas.
*Downtown Revitalization projects; new commercial buildings and the conversion of
Trailways Bus Depot into retail stores and offices.*
- 1991 - 2001 Urban Design and Town Planning Consultant.
Downtown Revitalization Projects, Master planning, Design Guidelines and Form-Based
Code Writing for North Carolina communities:
- 2000 to present Senior Urban Designer, The Lawrence Group, (St. Louis, New York, Austin and
Davidson, NC.) Downtown Revitalization Projects, Master planning, Design Guidelines
and Form-Based Code Writing.

ACADEMIC EXPERIENCE

Full-time Teaching Positions

- 1976 - 79 Lecturer Grade II (USA Assistant Professor Equivalent) School of Architecture,
Plymouth Polytechnic (subsequently Plymouth University) England.
- 1979 - 83 Senior Lecturer (USA Associate Professor Equivalent) School of Architecture,
Plymouth Polytechnic.
- 1979 - 81 Director, Graduate Architecture and Rural Settlement Program (Urban Design and
Small Town Planning), Plymouth Polytechnic.
- 1979 - 83 Director, Graduate Professional Program in Architecture, Plymouth Polytechnic.
- 1981 - 82 Visiting Critic, School of Architecture, University of Arkansas.
- 1983 - 84 Visiting Professor, School of Architecture, Mississippi State University.
- 1984 - 87 Associate Professor, School of Architecture, Mississippi State University.
Member of the MSU Institute of Small Town Research and Design.
- 1987 - 90 Associate Professor, School of Architecture, University of Oklahoma.
- 1990 - 94 Associate Professor, College of Architecture, University of North Carolina @
Charlotte.
- 1994 to date Professor, College of Architecture, University of North Carolina @ Charlotte.
(Tenured)
- 1999 - 2003 Co-Coordinator, Charlotte Community Design Studio (CCDS)
- 2003 - 2006 Faculty Fellow, CCDS

Visiting Lecturer / Critic

- 1980 - 82 School of Architecture, Brighton Polytechnic (subsequently Brighton University)
England.
- 1982 School of Architecture, Leicester Polytechnic (subsequently de Montfort University)
England.
- 1982 School of Architecture, Kansas State University, Manhattan, Kansas.
- 1982 School of Architecture, Washington University, St. Louis, Missouri.
- 1985 - 86 School of Architecture, University of Arkansas, Fayetteville, Arkansas.
- 1988 - 90 Annual Lectures on European Architectural History, *The International Mozart
Festival*, Bartlesville, Oklahoma.
- 1989 School of Architecture, Oklahoma State University, Stillwater, Oklahoma.

- 1989 Arkansas Arts Council, Little Rock: Juror for Design Arts Fellowships.
 1991 School of Architecture, Birmingham Polytechnic, Birmingham, England.
 1991 School of Architecture, Kingston University, London, England.
 1992 - 96 School of Visual Arts, Winthrop University, South Carolina.

AWARDS

Teaching

- 1988 Nominated Finalist, The University of Oklahoma *Distinguished Lectureship Award*.
- 1990 *Jasper P. Baldwin Award for Outstanding Teaching*, University of Oklahoma, Norman, Oklahoma. (Architectural History)
- 1992 RIBA International Student Design Competition, *Hybrid and Superimposition: Honourable Mention* for an Independent Study Design Project for an urban intervention project carried out under my supervision by Barley Phillips, UNC-C 3rd Year student. The project was selected as one of fifty designs out of one thousand entries for exhibition at the Royal Academy, London. Competition jurors: Zaha Hadid, Christine Hawley and Itsuko Hasegawa.
- 1993 Certificate of Appreciation, the Office of the Mayor, Town of Huntersville, NC, for "Land Use Design," with my 3rd year design studio class.
- 2001 Finalist for the *Bank of America Award for Teaching Excellence*.

AWARDS

Architecture and Urban Design

- 1969 *MEA Trust Building Design Competition*. Regional design competition for new office building, Newcastle-upon-Tyne, England. *Second Place Award* (with Oliver Spence).
- 1975 *National Brick Development Council Award* (as Senior Associate with Mervyn Seal & Associates) Lyncombe Crescent Mid-rise Apartments.
- 1975 DOE / RIBA *Good Design in Housing Award*. (as Senior Associate with Mervyn Seal & Assoc.) Private Housing, Devon.
- 1976 DOE / RIBA *Good Design in Housing Award*. (as Senior Associate with Mervyn Seal & Assoc.) Co-ownership Housing, Devon.
- 1978 NHBC *Best Private Housing in the Seventies Award*. (as Senior Associate with Mervyn Seal & Assoc.) Private Housing, Devon.
- 1982 Royal Institute of British Architects: *Napper Urban Design Prize* for Design Studio Project, Plymouth University, U. K.
- 1983 London Docklands Development Corporation: National Design Competition for mixed-use housing & commercial development, Rotherhithe, London. *Second Place Award*.
- 1984 S. E. Regional American Collegiate Schools of Architecture Conference, Atlanta, Georgia. "Qualities of Urban Place: design analysis studies." *Design Merit Award*.

- 1996 The “Urbie” Award, for contributions to Urban Design in Charlotte, The Charlotte Observer, August, 1996.
- 1996 “Citizen of the Year,” (one of ten) honoured by The Charlotte Observer, for Community Service (the fight against sprawl).
- 1997 Award for “Best Cover Stories” in Creative Loafing. *Charlotte’s Suburban Virus* and *The Antidote* judged as among the best twenty-five top articles in the ten years 1987-97.
- 2004 Environmental Protection Agency, *National Award for Smart Growth Achievement in Overall Excellence* to the Town of Davidson, NC. (DW was planning consultant with the town from 1995-2000, and was responsible for the initiation and development of form-based codes and Smart Growth strategies in the community).
- 2004 *Marvin Collins Outstanding Planning Award: Special Theme: Smart Growth.* Awarded by the NC Chapter of the American Planning Association for “Center of the Region Enterprise (CORE) Smart Growth Strategic Plan” (with The Lawrence Group)
- 2005 *Marvin Collins Outstanding Planning Award: Special Theme: Small Community.* Renaissance Plan for the “Heart of Wake Forest Comprehensive Plan.” Awarded by the NC Chapter of the American Planning Association (with The Lawrence Group)
- 2006 *Marvin Collins Outstanding Planning Award: Special Theme: Smart Growth.* Awarded by the NC Chapter of the American Planning Association for the “Huntersville Downtown Master Plan” (with The Lawrence Group)

GRANTS

- 1981 *British Council Fellowship:* development of joint UK-USA architectural educational and exchange programs. **£500.**
- 1982 *Royal Institute of British Architects Fellowship:* development of joint UK-USA architectural educational and exchange programs. **£1,000.**
- 1991 *Instructional Development Grant,* University of North Carolina @ Charlotte. Graphic recordings of significant urban spaces at the same scale for the development of an Urban Archive. **\$4,100.**
- 1991 UNC-Charlotte International Travel Grant for coordination of exchange program with Kingston Polytechnic (now Kingston University), London, England, **\$450.**
- 1992 *Gastonia Airport Site Planning Project,* City of Gastonia, N.C. The production and documentation of alternative design strategies for innovative suburban development (with Bob MacLean). **\$7000.**
- 1992 NationsBank, Charlotte. Grant for the production of *Pattern and Context: the Architecture of Cesar Pelli,* a monograph and exhibition catalogue. **\$20,000.**
- 1992 *Facile Façades,* the College of Architecture, University of North Carolina @ Charlotte. The construction of a site-specific installation (with Linda Brown). **\$500.**

- 1993 *International Travel Grant*, University of North Carolina @ Charlotte. Development of Urban Design Project, Santander, Spain, as the focus of subsequent summer studio programs. **\$750.**
- 1993 *Huntersville: a Vision for the Future.* Grant from the Town of Huntersville, NC, for research into alternative design possibilities for the downtown area. **\$800.**
- 1993 - 4 *Cornelius: a Vision for the Future.* Grant from the Town of Cornelius, NC, for research into alternative design possibilities for the downtown area. **\$1,000.**
- 1994 UNC Charlotte International Travel Grant for coordination of Graduate Urban Design Program foreign study semester, **\$750.**
- 1994 Waterworks Art Center, Salisbury, NC, grant for the construction of *Surface and Palimpsest*, a site-specific installation at the Waterworks Art Center, **\$500.**
- 1995 UNC Charlotte Research / Service Contract with the Town of Davidson, NC for the production of a new Town Master Plan and Zoning Ordinance, **\$15,000.**
- 1995-96 UNC Charlotte Research / Service Contract with the Town of Cornelius, NC, for the production of a new Town Master Plan and Zoning Ordinance, **\$15,000.**
- 1995-96 UNC Charlotte Research / Service Contract with the Town of Huntersville, NC, for the production of a new Town Plan and Zoning Ordinance, **\$20,000.**
- 1997 UNC Charlotte Research / Service Contract with the City of Locust, NC, for a New Zoning Ordinance and Land Use Plan, **\$16,000.**
- 1997 UNC Charlotte Research / Service Contract with the Town of Cornelius, NC, for an Update of the Land use and Transportation Plan, **\$4,000.**
- 1998 UNC Charlotte Research / Service Contract with the City of Salisbury, NC, for Urban Design Consultancy and Downtown Urban Design Plan. **\$36,000.**
- 1998 Grant from Central Carolina Bank, Dixon Odom PLLC, and Henry J. Faison for the monograph and exhibit *An Architect's Practice: The Work of S. Scott Ferebee, Jr. and the FWA Group, 1954-1994*, (with Lee Gray) **\$10,000.**
- 2000 Faculty Summer Research Grant, *Parker and Unwin and the Romantic Garden Suburb.* Travel study in England as contributing material to book manuscript, **\$4,000.**
- 2000 UNC Charlotte Research / Service Contract with the Town of Huntersville, NC, for Town Planning Consultancy, **\$6,000.**
- 2000 UNC Charlotte Research / Service Contract with the City of Newton, NC, for Town Planning Consultancy, **\$5,000.**
- 2001 UNC Charlotte Research / Service Contract with the City of Charleston, SC, for Town Planning Consultancy, **\$10,000.**
- 2001 College of Architecture Studio Support Grant from the City of Columbia, SC, for Urban Design and Architectural Consultancy, **\$900.**

- 2003 UNC Charlotte Research / Service Contract with the Culture and Heritage Foundation of York County SC, for a master plan for sustainable development on a 400 acre site, **\$18,000.**
- 2003 Knight Foundation Grant for Urban Open Space Institute, leadership seminars in urban design for elected officials in the Charlotte region, **\$364,000** (with Deborah Ryan)
- 2005 UNC Charlotte Research / Service Contract with the Town of Mineral Springs, NC, for Town Planning Consultancy, **\$10,000** (with Dr. Ken Chilton).
- 2006 - 07 *4th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity, and the Planet.* The United States Environmental Protection Agency (EPA) (with Dr. Ken Chilton) **\$10,000.**
- 2007 UNC Charlotte Research / Service Contract with the Village of Wesley Chapel, NC, for Town Planning Consultancy, **\$20,000.**

PROFESSIONAL DEVELOPMENT

Architecture, Urban Design and Town Planning

- 1968 - 72 Community Architect, Inner City Action Group, Newcastle-upon-Tyne. *Advocacy planning and urban design for low-income neighborhoods.*
- 1970 - 72 Assistant Architect, Douglass Wise & Partners / Ralph Erskine Architects, Newcastle-upon-Tyne. *Assistant architect for Byker Community Redevelopment (Rehousing and urban design project for inner city neighborhood.)*
- 1972 - 76 Associate (Senior Associate 1974), Mervyn Seal & Associates, Brixham, Devon. *Small Town Infill Housing, Dawlish and Brixham, Devon; Historic Village Extension Master Plan and Housing, Lechlade, The Cotswolds.*
- 1977 - 83 Founding Partner, Matoff, Fox and Walters Architects, Plymouth, Devon (subsequently the Walters Fox Partnership). *Historic Building renovation and conversion, Urban Housing, Large -scale Urban Revitalization.*
- 1983 Urban Design / Town Planning Consultant: Community Revitalization Project, Madison, Mississippi. *New Town Plan and Zoning Ordinances*
- 1984 - 86 Urban Design Consultant: Wittenberg, Delony and Davidson, Little Rock, Arkansas. *Town Planning and Urban Design for a New Town, Shalimar Point, Destin, FL.; Research, programming & conceptual design for a new School of Law, University of Arkansas, Little Rock.*
- 1985 - 86 Single Project Partnership with Robert Ford Associates, Starkville, Mississippi. *Design of new Academic Building for the Dept. of Forestry and Aquaculture, Mississippi State University.*
- 1985 - 86 Consultant Architect for the Arkansas Territorial Restoration, Little Rock, Arkansas. *Research programming & conceptual design for a new museum facility.*

- 1986 Urban Design Consultant: Allison Moses Redden Architects, Little Rock, Arkansas. *Downtown Revitalization projects; new commercial buildings and the conversion of Trailways Bus Depot into retail stores and offices.*
- 1987 - 89 Consultant Architect and Urban Designer, Harold Poole Construction & Development, Dallas, Texas. *New housing types and subdivision layouts.*
- 1991 Consultant Architect for Hope Haven Inc., Charlotte, NC., a charitable trust for the rehabilitation of drug and alcohol abusers. *Programming, conceptual design and architect selection for new "halfway" house.*
- 1991 1991-2 Urban Design Consultant, Marshville, N.C. *Urban regeneration of downtown core.*
- 1991 Urban Design Consultant, City of Rock Hill, SC, Development Corporation, *Master Plan Development and Signage Control.*
- 1992 Town Planning Consultant, City of Gastonia, NC. (with Robert MacLean) *Master Plans for new suburban "Township" on the old airport site.*
- 1992 Urban Design Consultant, City of Matthews, NC. (Charrette leader for NC Chapter of the American Planning Association) *Master Plan for downtown Matthews and connections to new Presbyterian Hospital*
- 1992 - 93 Urban Design Consultant, City of Huntersville, NC. *Downtown Revitalization Studies.*
- 1992 - 95 Urban Design Consultant, City of Marshville, NC. *Master Plan for Downtown Revitalization, new Town Library, landscaping and parking.*
- 1993 -95 Urban Design Consultant, City of Santander, Spain. *Master Plan for Center City Neighborhoods Revitalization and Redevelopment.*(In conjunction with the University of Cantabria).
- 1994 Town Planning Consultant and Facilitator for the North Mecklenburg Coalition of the three towns of Huntersville, Cornelius and Davidson. *Organization of public meetings and lectures.*
- 1994 Urban Design Consultant, City of Cornelius, NC. *Downtown Revitalization Studies.*
- 1994 - 95 Urban Design / Town Planning Consultant, Charlotte-Mecklenburg Planning Commission. *Task Force member for NE District Plan and Center City Study.*
- 1994 - 96 Town Planning Consultant, Town of Davidson, NC. *New Town Land Plan, and Development Control Ordinances.*
- 1995 - 96 Town Planning Consultant, Town of Cornelius, NC. *New Town Land Plan, and Development Control Ordinances.*
- 1995 - 96 Town Planning Consultant, Town of Huntersville, NC. *New Town Land Plan, and Development Control Ordinances.*

- 1995 Joint Coordinator (with Warren Burgess of the Charlotte -Mecklenburg Planning Commission) for a three-day town planning workshop featuring Andres Duany and Tom Low of DPZ Architects, Miami.
- 1996 Urban Design Consultant, City of Gastonia, NC. *Master Plan for Urban Revitalization of Firestone Mill Village, and Master Plan for Urban Revitalization of the Highland Neighborhood.*
- 1996 Urban Design Consultant to Duany Plater-Zyberk Architects for the Davidson Lakeshore Charrette, Davidson, NC.
- 1996 - 97 Town Planning Consultant, Town of Locust, NC. *New Town Land Plan, and Development Control Ordinances.*
- 1997 Town Planning Consultant Charrette Leader, City of Gastonia, NC. *City and County Greenway Master Plan.*
- 1997 Urban Design Consultant, Governors' Club Development Group, Pittsboro, NC. 5000 acre *New Town Master Plan* (with Urban Design Associates).
- 1997 Urban Design Consultant, Town of Davidson, NC. *Beatty Street Affordable Housing and Public Park Master Plan.*
- 1997 Town Planning Consultant to Cole, Jenest and Stone, PA, Charlotte, NC. Presentations on urban growth management and rural preservation strategies to Planning Board of Marvin, NC.
- 1997 Urban Design Consultant, Town of Davidson, NC. *Davidson Town Center Master Plan.*
- 1997 Urban Design Consultant, Town of Huntersville, NC. *Master Plan for 170 acre Mixed-Use Development, Exit 23 / I-77.*
- 1997 - 98 Town Planning Consultant, Town of Cornelius, NC. *Update of Town Land Use and Transportation Plan*
- 1998 Town Planning Consultant, City of Conover, NC. *New Urban Design Master Plan and Zoning Ordinance for 300 acre town extension.*
- 1998 Town Planning Consultant, Town of Spencer, NC. *Downtown Revitalization Master Plan.*
- 1998 Urban Design Consultant, City of Salisbury, NC. *The Flowers Bakery Project: New Urban Design Master Plan and Economic Development Strategy for Downtown Salisbury, (with Robin Davis AIA).*
- 1998 Participant in Design Charrette for alternative designs to save the historic Jack Woods Building, Uptown Charlotte, NC.
- 1998 Urban Design Consultant to Design Consortium LLC, Advance, NC. *Preliminary Plans for Mixed-Use Developments* in Mocksville, NC, and Winston Salem, NC.

- 1998 - 99 Town Planning Consultant, Town of Mocksville, NC. *New Master Plan and Neo-Traditional Zoning Ordinance.*
- 1999 Urban Design Consultant to the Town of Lewisville, NC. *Downtown Master Plan (with Design Consortium LLC).*
- 1999 Charrette Leader / Urban Design Consultant, City of Gastonia, NC. *Urban Design and Economic Development Master Plan for Downtown Revitalization, (with The Lawrence Group).*
- 2000 Town Planning Consultant, Town of Mooresville, NC. *Charrette for New Urban Design Master Plan for new Transit-Oriented Development at Mount Mourne/Exit 33, (with The Lawrence Group).*
- 2000 Town Planning Consultant, Town of Huntersville, NC, for the preparation of *Urban Design Master Plans for a Transit-Oriented Development in south Huntersville, in conjunction with the Charlotte Area Transit System.*
- 2000 Land Use Planning Consultant for Black and Veatch Engineers and the Charlotte/Mecklenburg Utilities Dept., for *the McDowell Creek Waste Water Treatment Study.*
- 2000-01 Land Use Planning and Urban Design Consultant for the Town of Newton, NC. *Urban Design Master Plan and Development Economic Feasibility Studies for the Revitalization of the North Newton Area, (with Ike Heard).*
- 2000-01 Urban Design and Town Planning Consultant, Atlanta Regional Commission (ARC) for the preparation of *"Smart Growth Toolkits" on Traditional Neighborhood Development (TND) and Transit-Oriented Development (with Jordan, Jones & Goulding, Engineers and Planners).*
- 2000 Urban Design Consultant and Design Team Leader, City of Raleigh, NC, for the preparation of a *Small Area Plan for West Raleigh, (with The Lawrence Group).*
- 2001 Urban Design Consultant, City of Raleigh, NC, for the preparation of city-wide *Urban Design Guidelines, (with The Lawrence Group).*
- 2001-02 Town Planning Consultant, City of Conover, NC. *Preparation of a Long Range Master Plan for Town Growth for discussion and adoption by elected officials.*
- 2001 Urban Design Consultant and Design Team Leader for the preparation of a *Neighborhood Master Plan and Zoning Ordinance, Haynie-Sirrine Neighborhood, Greenville, SC (with The Lawrence Group).*
- 2001 Urban Design Consultant and Design Team Leader for the preparation of a *Town Center Master Plan and Zoning Ordinance, Mint Hill, NC (with The Lawrence Group).*
- 2002 Urban Design Consultant and Design Team Leader for the preparation of a *Strategic Master Plan, Transportation Plan and Urban Design Framework for a 60 sq. mile area for "CORE," the Center of the Region Enterprise, comprising Raleigh, Durham, Cary, Morrisville, the Research Triangle Park, the Raleigh-Durham International Airport and*

the Triangle Transit Authority, including several Transit-Oriented Developments (with The Lawrence Group).

- 2002 Urban Design Consultant, City of Knightdale, NC, for the preparation of *Land Use Masterplan* (with Cole Jenest and Stone).
- 2003 Urban Design Team Leader for the preparation of the *East Cornelius and Davidson Master Plan and Zoning Overlay*, for the towns of Cornelius and Davidson, NC (with The Lawrence Group).
- 2003 Urban Design Consultant and Design Team Leader for the preparation of a *Town Center Master Plan* for the town of Wake Forest, NC (with The Lawrence Group)
- 2004 Urban Design Consultant and Design Team Leader for the preparation of a *Town Center Master Plan* for the town of Huntersville, NC (with The Lawrence Group)
- 2004 Urban Design Consultant and Design Team Leader for the preparation of a *Town Center Master Plan* for the town of Pineville, NC (with The Lawrence Group)
- 2004 Urban Design Consultant and Design Team Leader for the preparation of a 800 acre *Highway 29 Master Plan* for the town of Concord, NC (with The Lawrence Group)
- 2004 Member of UNC-Charlotte Urban Institute planning team for new land use plan for Rowan County
- 2004 – 05 Town Planning Consultant (with the late Warren Burgess) *Small Area Plan for Beatties Ford Road/Mt. Holly-Huntersville Road, Huntersville, NC*
- 2006 Urban Design Team Leader for Town Planning Charrette in Germantown, (Memphis) TN, (with The Lawrence Group).
- 2006 Urban Design Team Leader for Town Planning Charrette in Spartanburg, SC, (with The Lawrence Group).
- 2006 Urban Design Team Leader for Town Planning Charrette in Leland, NC, (with The Lawrence Group).

PUBLICATIONS

Books

- Forthcoming *The Future Office* to be published by Routledge, London, 2007 (edited with Chris Grech).
- 2007 *Designing Community: Charrettes, Master Plans and Form-based Codes*, published by The Architectural Press, Oxford, UK.
- 2004 *Design First: Design-based Urban Planning for Communities*, with Linda Brown, published by The Architectural Press, Oxford, UK.

Chapters in Books

- Forthcoming Chapter entitled "Centers and Edges: The confusion of urban and suburban paradigms in Charlotte-Mecklenburg's development patterns," in *Global Charlotte: the transformation of a*

southern city, Smith, H. and Graves, W. eds. To be published by the University of Georgia Press, 2008

Forthcoming Chapter entitled "Workplace and the New American Community," in *The Future Office* to be published by Routledge, London, 2007 (edited with Chris Grech).

2004 Essays on "New Urbanism"; "Design Ordinances"; "Glasgow"; "Antonio Sant'Elia"; and "Cesar Pelli" in the *Encyclopaedia of Twentieth Century Architecture*, published by Taylor and Francis, Spring 2004.

Recent Articles

2006 *Integrating Smart Growth into Planning Curricula: the Merger of Planning and Design Concepts* (with Ken Chilton). Published by the EPA's Development, Community, and Environment Division on the EPA website:
www.epa.gov/smartgrowth/courses/index.htm#five

Periodicals

1992 Writing and the Architect, Contributing Editor for ACSA S.E. Region Conference Proceedings, UNC Charlotte, Fall 1992.

1997 *The Production and Consumption of Architecture and the City*. A thematic issue of the Journal of Architectural Education (JAE), co-ed. with Terrance Goode, Vol. 50, No. 4, May, 1997.

Peer reviewer for books and articles

Books

2004 Reviewed manuscript entitled *Zoned Out: Regulation, Markets and Transportation/Land Use Choice*, by Jonathon Levine, for Resources for the Future Press, Washington, DC, (published 2005).

Articles

2005 "Retrofitting Suburbs," for Places magazine

2005 "The Influences of the Built Environment and Residential Self-Selection on Pedestrian Behavior" for Transportation, an international journal of transportation studies.

Scholarly Articles, Papers and Presentations

1978 *SAC: Agent for Change*. Article in Building Design, London, October 1978. The article considered the political and educational role of the national Schools of Architecture Council in the debate about the changing practices of architectural education.

1979 *Design West*. Publicity booklet celebrating the "Design West International Conference," featuring James Stirling and Charles Moore. (with Theo Matoff, Dan Gaito and Bryan Patterson.) Published by Plymouth Polytechnic School of Architecture, February, 1979.

1981 *The Spatial Structure of an English Small Town*. A paper presented to a conference on **An Agenda for Small Town Research**, at the University of Arkansas, Fayetteville, Arkansas, Nov. 1981.

1982 *Britain Knows Better*. A book review of "Building Renovation and Recycling," Building Design, London, August 20th, 1982.

- 1982 *Quality Checks*. Book review of "Quality in Traditional Housing," Building Design, London, October 8th, 1982.
- 1982 *Spatial Principles in the Development of Small Towns*. A paper presented to the **Second Annual Four State Regional Planning Conference of the American Planning Association**, at the University of Arkansas, Fayetteville, Arkansas, October 1982.
- 1983 *Place and time: Changing Forms and Unchanging Qualities in Architectural and Urban Design*. Paper presented to the **S.E. Regional Conference of the ACSA**, at Mississippi State University, October 1983.
- 1983 *Design for Place: Notes on the Madison Project, Mississippi*. Paper presented to the **Fourth Chautauqua on Small Town Studies**, at Mississippi State University, October 1983.
- 1985 *Urban Place and Town Structure*. Paper and design projects presented at the **National ACSA Conference**, Vancouver, Canada, March 1985.
- 1986 *A Framework for Theory in Architectural Design*. Paper presented to the **National ACSA Conference**, New Orleans, March 1986. Published in The Spirit of Home. Proceedings of the 74th Annual Meeting of the Association of Collegiate Schools of Architecture, 1986, pp. 492-500.
- 1989 *An Analysis of Locale: Form, Content & Context*. Paper presented at the **National ACSA Conference**, Chicago, March 1989. Published in Debate & Dialogue: Architectural Design & Pedagogy. Proceedings of the 77th Annual Meeting of the Association of Collegiate Schools of Architecture, 1989, pp. 379-396.
- 1989 *Non-Objective Art and the Teaching of Architecture*. Paper presented at the **S. E. Regional Meeting of the Society of Architectural Historians**, Little Rock, Arkansas, October 1989.
- 1989 *Form & Content in an Architectural Setting*. Paper published in Oz Magazine, vol.11, College of Architecture & Design, Kansas State University, Manhattan, KS, pp. 24-7.
- 1990 *A Framework for Theory in Architecture*. Published in Reflections Z, The Journal of the School of Architecture, University of Illinois at Urbana-Champaign, Spring 1990, pp. 32-43.
- 1990 *Regionalism, Authenticity and Corporate Image*. Paper presented at **Organic Pluralism: an International Symposium on Design**, University of Oklahoma, March 1990.
- 1990 *Abstraction and Architectonic Creativity: Artists at the Bauhaus*. Paper presented at **The Seventh National Conference in the Beginning Design Student**, Santa Fe, New Mexico, April 1990, and published in the Conference Proceedings, July 1990, pp. 85-89.
- 1991 *Brief Lives: the Mask of Corporate Populism and Strategies of Urban Resistance*. Paper presented at the **National ACSA Conference**, Washington, D. C. and published in Architecture: Back...to...Life. Proceedings of the 79th Annual Meeting of the Association of Collegiate Schools of Architecture, 1991, pp. 30-35.
- 1991 *Architectural Collage; Archigram as proto-Postmodernism*. Paper presented at the

- S. E. Regional Meeting of the Society of Architectural Historians**, Mississippi State University, Oct.1991, and published as an abstract in Arris, vol.3, 1992, p.54.
- 1991 *Architect as Superhero: Archigram and the Text of Serious Comics*. Paper presented at the **S.E. Regional Conference of the ACSA**, UNC-Charlotte, Nov. 1991, and published in Writing and the Architect, Proceedings of the Conference, Charlotte, Jan 1993, pp. 77-82.
- 1992 *Commuting to Arcadia: a Brief History of the Anglo-American Suburb*, in The Gastonia Airport Site: Suburban Design Research Project Report, published by the College of Architecture, UNC Charlotte, August 1992, pp. 9-27.
- 1992 *Romantic Urbanism: the Suburb as a Microcosm of the Traditional Town and Pedestrian Pockets and the Garden Cities of the Twenty-first Century*, in The Gastonia Airport Site: Suburban Design Research Project Report, published by the College of Architecture, UNC Charlotte, August, 1992, pp. 38-43.
- 1992 *Arcadia, Utopia and the Collapse of Post-Modern Space: Mythologies of the Urban Frontier*. Paper presented at the **S.E. Regional Conference of the ACSA**, Savannah, GA, October, 1992. Selected as one of the "Top Five Papers" of the Conference and published in History / Post-History, Proceedings of the Conference, Savannah College of Art and Design, 1992, no pagination.
- 1992 *Setting, History and the Specifics of Place: Luciana Laurana, Francesco di Giorgio and Giancarlo de Carlo at Urbino*. Paper presented at the **S. E. Regional Meeting of the Society of Architectural Historians**, Charlotte, N.C., September 1992.
- 1992 *Conversations between Foxes and Hedgehogs: Concepts of Site and Territory in the Public Art of Jean Tinguely and Sol LeWitt*. Paper (in conjunction with Linda Brown) presented at the **East Central Regional Conference of the ACSA**, Waterloo, Ontario, Canada, and published in Sight Work / Site Work, Proceedings of the Conference, University of Waterloo, 1992, pp. 204-215.
- 1993 *Arcadia, Utopia and the Collapse of Post-Modern Space: Mythologies of the Urban Frontier*. This long version of the conference paper published in Reflections 9, University of Illinois at Urbana-Champaign, Summer, 1993, pp.4-13.
- 1992 *The Picturesque City: The Influence of Camillo Sitte on European Townscape and the New American Suburb*. Paper presented at **The Fifth National Planning History Conference**, Chicago, November 1993. Also presented at the **S.E. Regional Meeting of the Society of Architectural Historians**, New Orleans, 1994.
- 1993 *Pattern and Context: the Campus Architecture of Cesar Pelli*. Paper presented at the **N.E. Regional Conference of the ACSA**, and published in the Conference Proceedings, University of Maryland, October, 1993.
- 1993 *A City for Learning: Urban Futures for an Edge City*. Paper featuring the work of Edward Cullinan, Piers Gough and Christine Hawley at UNC Charlotte presented at the **N.E. Regional Conference of the ACSA**, and abstract published in the Conference Proceedings, University of Maryland, October, 1993.
- 1993 *Building on Tradition: the Worrell Professional Center by Cesar Pelli*. Article published in the Wake Forest University Magazine, June 1993.

- 1994 *Urban Morphologies: Urban Structure projects for the Railyards Site, Santander, Spain* (with Jim Asbel). Article describing the design work of the 1993/94 summer urban design studios in Santander. Published in *Geometria*, Madrid, Spain; a special issue on the Redevelopment of the European City, guest edited by Professor Bernado Yncenga.
- 1994 *Architect as Superhero: Archigram and the Text of Serious Comics*. Electronically published in *Architronic*, Vol.2, No.3, 1994. Previously published in *Writing and the Architect*, UNC-C, Charlotte, NC.
- 1997 Book Review, *Lewis Mumford and American Modernism: Eutopian Theories for Architecture and Urban Planning*, by Robert Wojtowicz, Cambridge University Press, 1996. Published in *Architronic*, Vol.5, No.-, 1997.
- 1997 *Coding for Sustainable Development*. Paper presented at the **S.W. Regional Conference of the ACSA**, Albuquerque, NM, October, 1997, and published as a Working Paper of the College of Architecture and Planning, The University of New Mexico, Albuquerque, Fall, 1997.
- 2000 *Future Perfect: A Smart Growth Charter for Charlotte*, Creative Loafing, Charlotte, January 12th, 2000.
- 2000 “Better than Utopia,” Book Review, *Lewis Mumford and American Modernism: Eutopian Theories for Architecture and Urban Planning*, by Robert Wojtowicz, Cambridge University Press, 1996. Design Book Review, 43, Fall 2000.
- 2001 “Better than Utopia,” Book Review, *Lewis Mumford and American Modernism: Eutopian Theories for Architecture and Urban Planning*, by Robert Wojtowicz, Cambridge University Press, 1996. Published online and in CD-ROM in SIRS Knowledge Source and SIRS Renaissance databases. (Originally published in Design Book Review, 43, Fall 2000).
- 2005 *The Mecklenburg Miracle: New Urbanist Zoning in North Mecklenburg County*. Invited presentation at the APA National Conference, San Francisco, March 2005, and available on APA Conference website.

Technical Reports and Papers

- 1982 *Plymouth City Centre Study*. Published by the Plymouth Polytechnic School of Architecture (with Dr. Patrick Malone).
- 1983 *Madison Growth Strategy*. Report of urban design and planning strategies for the management of urban growth for Madison, MS. (with Professor Robert Craycroft.) Study funded by the National Endowment for the Arts, and published by the Center for Small Town Studies at the School of Architecture, Mississippi State University.
- 1985 *Archfest 85*. Report / brochure on an international housing design symposium funded by the Mississippi Institute for Technological Development, including designs by myself (with B.B. Archer and Sonja Cowart.) Published by the School of Architecture, Mississippi State University.
- 1994 *Charlotte's Suburban Virus: The City's Future*. Creative Loafing, Charlotte, Sept. 17th 1994.
- 1994 *Charlotte in the 21st Century: The Antidote*. Creative Loafing, Charlotte, Sept. 24th 1994.

- 1995 *The Menace of Uncontrolled Growth*. The Charlotte Observer, September 13th 1995. Reprinted in The Peirce Report: Shaping a Shared Future. October 1995.
- 1995 *The Davidson Land Plan Code*. New Town Plan and Development Control Ordinances for Davidson (with Tim Keane.) Published by the Town of Davidson, NC.
- 1995 Draft Document: *The Cornelius Zoning Ordinance*. Design Standards for Building Types, Streets and Public Open Spaces. Final document authored by Tim Brown and Craig Lewis. Published by the Town of Cornelius, NC.
- 1996 *Urban Design Master Plan: Project Report*. The Firestone Village Neighborhood, Gastonia, NC. For the City of Gastonia, NC.
- 1996 *Urban Design Master Plan: Project Report*. The Highland Neighborhood, Gastonia, NC. For the City of Gastonia, NC.
- 1996 *The Huntersville Zoning Ordinance*. Design Standards for Building Types, Streets and Public Open Spaces (with Ann Hammond.) Published by the Town of Huntersville, NC.
- 1997 *The Locust Zoning Ordinance*. Design Standards for Building Types, Streets and Public Open Spaces. Published by the City of Locust, NC.
- 1977 *New Urbanism: Zoning for the 21st Century*. Published in the Continuing Legal Education Manual, the North Carolina Bar Association, February 1997.
- 1998 *Urban Design Master Plan: Project Report*. Town Center Redevelopment, Gastonia, NC, with The Lawrence Group. For the City of Gastonia, NC.
- 1999 *The Mocksville Zoning Ordinance*. Design Standards for Building Types, Streets and Public Open Spaces. Published by the Town of Mocksville, NC.
- 2000 *Future Perfect, Creative Loafing*, Charlotte, January 12th, 2000. A detailed Smart Growth Charter for Charlotte.
- 2000 *Hambright Road Transit-Oriented Development Study*, UNC Charlotte Community Design Studio (CCDS), for the Town of Huntersville, NC.
- 2000 *Urban Design Master Plan: Project Report*. Transit Oriented Development at Mount Mourne, Mooresville, NC, with The Lawrence Group, for the Town of Mooresville.
- 2000 *South End Transit Village Study*, UNC Charlotte Community Design Studio (CCDS), for Historic South End Development Corporation.
- 2000 Land Use Planning Consultant for Black and Veatch Engineers and the Charlotte/Mecklenburg Utilities Dept., for *the McDowell Creek Waste Water Treatment Study*.
- 2000-01 Land Use Planning and Urban Design Consultant for the Town of Newton, NC. *Urban Design Master Plan and Development Economic Feasibility Studies for the Revitalization of the North Newton Area*, (with Ike Heard).

- 2000-01 Urban Design and Town Planning Consultant, Atlanta Regional Commission (ARC) for the preparation of *“Smart Growth Toolkits” on Traditional Neighborhood Development (TND) and Transit-Oriented Development* (with Jordan, Jones & Goulding, Engineers and Planners).
- 2001 *West Raleigh Small Area Plan*, with The Lawrence Group, for the City of Raleigh, NC.
- 2001 *Urban Design Guidelines Manual*, with The Lawrence Group, for the City of Raleigh, NC.
- 2002 *Mint Hill Town Center Plan and Zoning Ordinance*, with The Lawrence Group for the Town of Mint Hill, NC.
- 2001 *Haynie-Sirrine Neighborhood Master Plan and Zoning Ordinance*, with The Lawrence Group, for the City of Greenville, SC.
- 2002 *Planning and Design for a Walkable City*, Project report by the UNC Charlotte Community Design Studio (CCDS) on design solutions for urban and suburban sites in Charleston, SC, to evaluate new zoning code proposals by the city. Report prepared for the City of Charleston.
- 2002 Smart Growth Toolkits for Traditional Neighborhood Development (TND) and Transit-Oriented Development (TOD) published on the Atlanta Regional Commission website. (www.atlantaregional.com/qualitygrowth/planning)
- 2003 *Planning and Design for a Sustainable Community* (3 vols.) (with Chris Grech and faculty at Clemson University. Material by UNC Charlotte and Clemson University students)
 Vol. 1. Research and Illustrative Designs
 Vol. 2. Design Guidelines
 Vol. 3. Site and Regional Analysis
- 2003 *Urban Design Master Plan: Project Report. Town Center Redevelopment*, Wake Forest, NC, for the City of Wake Forest, NC (with The Lawrence Group).
- 2004 *Urban Design Master Plan: Project Report. Town Center Redevelopment*, Huntersville, NC, for the Town of Huntersville, NC, (with The Lawrence Group).
- 2004 *Urban Design Master Plan: Project Report. Town Center Redevelopment*, Pineville, NC, for the Town of Pineville, NC, (with The Lawrence Group).
- 2005 *Urban Design Master Plan: Project Report. Hwy 29 Redevelopment*, Concord, NC, for the City of Concord, NC, (with The Lawrence Group).
- 2007 *Urban Design Master Plan: Project Report. Downtown Redevelopment*, Germantown, TN, (with the Lawrence Group)
- 2007 *Urban Design Master Plan: Project Report. Downtown Redevelopment*, Spartanburg, SC, (with the Lawrence Group)
- 2007 *Urban Design Master Plan: Project Report. Town Master Plan*, Leland, NC, (with the Lawrence Group)

Popular criticism

1994-2006 Bi-weekly (weekly 2002-2006) critical commentaries on local urbanism, politics and culture in Creative Loafing newspaper.

OTHER PROFESSIONAL AND COMMUNITY PRESENTATIONS

- 1992-3 *Uptown Dialogue*. Participant in series of workshops with Charlotte civic and business leaders and design professionals. Topics include center city housing, mass transit / light rail studies, urban design guidelines etc.
- 1993 Panelist for the AIA Teleconference, *Building Connections III: Livable, Sustainable Communities*, with Charlotte AIA and WTVI, April 1993.
- 1993 Consultant on urban history programs, workshops and tours for the Museum of the New South, Charlotte, NC.
- 1994 *Planning for the 21st Century*, lectures to the Long Range Planning Committees of Huntersville, Cornelius and Davidson, NC, Nov. 1994.
- 1995 *Charlotte's Urban Problems and Solutions*, lecture to reporters and the editorial staff of The Charlotte Observer, Spring 1995.
- 1995 *Building a 'World-Class' City*. Opening Speaker for the UNCC Uptown Lecture Series April 4th, 1995.
- 1995 *Urban Design in the European City*, participant in an international conference organized by the Fondation Marcelino Botin, Santander, Spain (with James Asbel).
- 1995 *American Small Towns*. Lecture in the series, Lake Park's Vision 2000, Lake Park, Union Co. NC, for the Mathisen Company, August 1995.
- 1995 *Reclaiming City Neighborhoods by Dismantling the Freeway*. Lecture to the Charlotte/Mecklenburg Planning Commission staff, September, 1995.
- 1995 *Sustainable Community Design*. Lecture to Town Planning Group, Sarasota, FL. at the Wildacres Conference Center, NC, October, 1995.
- 1995 *South End: a Real Neighborhood*. Lecture to the South End Vision Group, Charlotte, NC, October, 1995.
- 1995 Pierce Report Panelist, The Charlotte Observer / UNC-C Forum, October, 1995.
- 1995 *Visions and Values: The UNC-C Campus Plan*. Lecture to the Charlotte Philosophy Society, Nov. 1995.
- 1995 *Urban Design; the Architect's Challenge*. Lecture to the Charlotte AIA Annual Business Meeting, Nov. 1995.
- 1996 *Neo-Traditional Town Planning*. Presentation to Alpha Lambda Honor Society, SouthPark, Charlotte, NC, Aug. 1996.

- 1996 *Integrated Land use and Transportation Planning*, Presentation to Town Council, Clemmons, NC, Oct. 1996.
- 1996 *SouthPark's Urban Development and Transit Options*, Presentation to the SouthPark Area Council and Chamber of Commerce (with Tim Keane), Nov. 1996,
- 1997 *New Urbanism: Its Implications for Land Use and Transit Planning*. Presentation to the N.C. Public Transportation Conference, Winston Salem, May 1997.
- 1997 *New Urbanist Zoning*, Presentation to NC Bar Association Continuing Legal Education Seminar, Cary, NC, Feb. 1997. (Voted "Best of the Best" by seminar participants).
- 1997 *Urban Growth Management and Rural Preservation Strategies*, Presentation to Chatham County Commissioners and planning Board members from Pittsboro and Siler City, NC, Pittsboro, March 1997.
- 1997 *Open Space Planning in North Mecklenburg*, Presentation to Greenways Advisory Committee, Charlotte-Mecklenburg Parks and Recreation Commission, Charlotte, NC, April, 1997.
- 1997 Panel Member, *The Livable City*, Dalton Lecture, Blumenthal Performing Arts Center, Charlotte, NC, April, 1997.
- 1997 *Sustainable Development in North Mecklenburg*, Presentation to the Charlotte-Mecklenburg Planning Commission, UNC Charlotte Urban Institute, May 1997.
- 1997 *Zoning for the 21st Century*. Presentation to the N.C. Bar Association Annual Conference, Asheville, June 1997.
- 1997 *Design Principles and Zoning Practices for Neo-Traditional Development*. Presentations and workshop facilitation at the S.C. Municipal Association Annual Conference and Design Institute, Charleston, July 1997.
- 1997 *Neo-Traditional Zoning*, Presentation to Stanly County Commissioners, Locust, NC, August 1997.
- 1997 *Building Design and Public Space*, Seminar for Planning Commissioners, Huntersville, NC, Aug. 1997.
- 1997 *Sustainable Growth and Economic Development*, Presentation to Charlotte Chamber of Commerce, Charlotte, NC, Nov. 1997.
- 1998 *Neo-Traditional Zoning and Open Space Protection*, Presentation at the "Managing Growth" Conference, Hickory, NC, Feb. 1998.
- 1998 Consultant to the Editorial Board, The Charlotte Observer, on their series on land Use and transportation *From Here to There*, Spring, 1998.
- 1998 Public Debate with County Commissioner Tom Bush *Growth Management in Charlotte-Mecklenburg*, Borders Bookstore, Charlotte, NC, March 1998.
- 1998 Panel Member, "I-485: Its Impact on Growth" Conference, Charlotte, NC, April 1998.

- 1998 *The Urbanization of SouthPark: A Vision for 2020*, Presentation to the SouthPark Area Task Force and the Charlotte-Mecklenburg Planning Commission, Charlotte, NC, April 1998.
- 1998 Keynote Speaker and Chairman of AIA Awards Jury, Columbia Design League, Columbia, SC. October 1998.
- 1998 Keynote Speaker, North Carolina Department of Transportation MPO (Metropolitan Planning Organization) Annual Conference, Hickory, NC. *New Urbanist Design and Zoning: Smart Growth for the 21st Century*, October 1998.
- 1998 Presentation to the NC “Traditional Neighborhood Development” Conference, Asheville, NC. *New Urbanist Design and Zoning: Smart Growth for the 21st Century*, November, 1998.
- 1998 Keynote Speaker, Triad Leadership Conference: Livable Communities, Greensboro, NC. *New Urbanist Design and Zoning: Smart Growth for the 21st Century*. Dec. 1998.
- 1999 Code Implementation Seminar, City of Locust, NC, Feb. 1999.
- 1999 Keynote Speaker, Salisbury Vision 2020 Seminar, Salisbury, NC. *Smart Growth for Salisbury*, Feb. 1999
- 1999 Keynote Speaker, Piedmont Triad Partnership / Triad Leadership Network Annual Conference, King, NC. *Smart Growth versus Suburban Sprawl*, King, NC, March 1999.
- 1999 Keynote Speaker, City of High Point Planning Commission, *Suburban Futures*, High Point, NC, April 1999.
- 1999 Speaker, NC Chapter AIA Summer Conference, Asheville, NC. Presentation on *Design-Based Zoning Ordinances* in the Roundtable Session on “Livable Communities,” July 31st, 1999.
- 1999 Keynote Speaker, *Growing Smart by Design*, Special Conference on Smart Growth organized by the State of Michigan Chambers of Commerce and Legislative Council, Traverse City, Michigan, September, 1999.
- 1999 *New Urbanism in Action*, Presentation and guided tour of North Mecklenburg developments for the City of Salisbury, NC, 2020 Task Force. November, 1999.
- 1999 Keynote Speaker, Charlotte sub-Chapter of the Construction Professionals Network. Presentation on *Smart Growth Principles and Practices*, Nov. 1999.
- 2000 Seminar with the Editorial Board of The Charlotte Observer: *Urban Village or Mega-Mall? The Pros and Cons of the SouthPark Mall Expansion*, Feb. 2000.
- 2000 Keynote Speaker, Carolinas Chapter of the Construction Professionals Network. Annual Meeting, Pinehurst, NC. Presentation on *Smart Growth Principles and Practices*, April, 2000.

- 2000 Keynote Speaker, Environmental Federation of North Carolina Annual Meeting, Triangle Research Park, NC. Presentation on *Smart Growth Principles and Practices*, April, 2000.
- 2000 Keynote Speaker, Shook Design Group Seminar, Charlotte, NC. *Doing More with Less*. Presentation of contemporary European architecture and urbanism, May, 2000.
- 2000 PBS TV Documentary *Save Our Land: curbing suburban sprawl and developing patterns of smart growth*. Featured my work in creating integrated Smart Growth plans and form-based zoning ordinances for the three north Mecklenburg towns of Huntersville, Cornelius and Davidson. Produced by Tom Hylton.
- 2000 Keynote Speaker, Leadership Rowan Seminar, *Future Perspectives*, Salisbury, NC, Oct. 2000.
- 2000 Panelist, Leadership Charlotte Seminar, Charlotte Chamber of Commerce: *The Future of Charlotte*. Nov. 2000.
- 2001 Seminar with elected officials, planning board members and citizens of Pinehurst, NC: *What is Smart Growth? And How to Prepare a Comprehensive Plan*. Jan. 2001.
- 2001 Consultant to Urban Land Institute Study Team for North Transit Corridor, Charlotte, April, 2001
- 2001 Member, Special Advisory Committee on Downtown Arena Design, Charlotte/Mecklenburg Planning Commission, Charlotte, April, 2001.
- 2001 Panelist, National Association of Industrial and Office Properties seminar: *The Role of Multi-family Housing in Smart Growth*, August 2001.
- 2001 Panelist, National Association of Industrial and Office Properties Annual Forum: *Quality of Life in the Charlotte Area*, September 2001.
- 2001 Keynote Speaker, Leadership Rowan Seminar, *Future Perspectives*, Salisbury, NC, Oct. 2001.
- 2001 Consultant to news media, WBTV Channel 3 feature on "Urban Sprawl in Charlotte."
- 2002 Consultant to news media, WBTV Channel 3 feature on "Traffic Congestion."
- 2002 Consultant to news media, WBTV Channel 3 feature on "High-rise design and safety."
- 2002 Keynote Speaker, Charlotte Apartment Association Education Seminar, *Smart Growth and its Effect on Charlotte*, Feb. 2002.
- 2002 Keynote Speaker, City of Gastonia Neighborhood Trends Symposium; *New Urbanism: Myth and Reality*, April, 2002.
- 2002 Keynote Speaker, Leadership Rowan Seminar, *Future Perspectives*, Salisbury, NC.
- 2002 Panelist, Alliance for Regional Stewardship, National Leadership Forum, Charlotte.

- 2003 Keynote Speaker, Charlotte Real Estate Women (CREW) Seminar, *Smart Growth and its Effect on Charlotte*.
- 2003 Keynote Speaker, Charlotte Chapter of the Construction Specification Institute, *Are We Smart Enough for Smart Growth?*
- 2004 – 2005 Contributor and spokesperson for the Southern Environmental Law Center’s report on Charlotte’s Air Quality.
- 2004 Keynote Speaker, Leadership Rowan: Future Perspectives *The Challenges of Smart Growth*
- 2004 *Urban Design for Planners*. Lecture and Mini-Charrette for NC Chapter APA Annual Conference, Raleigh
- 2005 Keynote Speaker, Catawba College Environmental Center Fall Lecture Series *Designing our Way to Cleaner Air*.
- 2005 *Old Urbanism = New Urbanism: The relevance of John Nolen to future development*. Lecture at Atkins Library in conjunction with the exhibition, *John Nolen: Neighborhood Maker*, organized by The Levine Museum of the New South.
- 2005 *Cornelius Leads the Way: Form-based Coding in North Mecklenburg County*. Lecture at the Town Hall, Cornelius, NC, in conjunction with the exhibition, *John Nolen: Neighborhood Maker*, organized by The Levine Museum of the New South.
- 2005 Keynote Speaker and Moderator. *Gown and Town: Sustainable Development on University Campuses and Surrounding Communities*. Community Seminar for Charlotte stakeholders organized by Facilities Management, UNC-Charlotte.
- 2005 *Old Urbanism = New Urbanism: The relevance of John Nolen to future development*. Lecture at Atkins Library in conjunction with the exhibition, *John Nolen: Neighborhood Maker*, organized by The Levine Museum of the New South.
- 2006 Keynote Speaker, Leadership Rowan: Future Perspectives: *The Challenges of Smart Growth*
- 2006 *Transportation Alternatives for Sustainable Cities*. Presentation at the *Designing Sustainable Cities* Conference, NC State University / City of Raleigh Urban Design Center.

SYMPOSIA AND CONFERENCES

- 1979 Conference organizer, *Design West*, with Charles Moore and James Stirling, Plymouth Polytechnic School of Architecture and Dartington Hall College of Art.
- 1980 Conference organizer, *The Urban Edge*. Student and faculty design charette focused on the development of waterfront edges of Plymouth Harbour, England. Design teams led by Ted Cullinan, Ron Herron and Paul Koralek.
- 1989 Co-Organizer, *Bruce Goff: Toward Absolute Architecture*, The University of Oklahoma Museum of Art. Session Chairman on “Beyond Utopia: Changing Attitudes in American Architecture,” October 1989.

- 1990 Conference co-organizer, *Organic Pluralism: an International Symposium on Design*, College of Architecture, University of Oklahoma, March 1990.
- 1991 Symposium Coordinator, *The Landscape as Idea: Art, Architecture and Urbanism*, (with Mark Leach, Mint Museum of Art, and Robert Kaufmann, UNCC Dept. of Art), UNC Charlotte, October 1991.
- 1991 Conference Co-organizer *Writing and the Architect; ACSA S.E. Regional Annual Conference*, (with Jim Asbel and others) UNC Charlotte, November, 1991.
- 1992 Conference Co-organizer; *Annual Meeting of the NC Chapter of the American Planning Association* (with Owen Furuseth), UNC Charlotte, July 1992.
- 1993 Organizer of "Spring Experience," *A City for Learning: Urban Futures for an Edge City*, a three-day design workshop on campus design for UNC Charlotte with Edward Cullinan, Piers Gough and Christine Hawley from London, England.
- 1996 Co-organizer (with Nelson Benzing) *Great Streets, Great Places: Settings for Civic Life*. Conference sponsored by The Charlotte Urban Forum, The College of Architecture, UNC Charlotte, and the Charlotte-Mecklenburg Planning Commission, at the Charlotte-Mecklenburg Govt. Center, March 21st -23rd 1996.
- 1996 Co-Organizer and Panel Moderator for Charlotte Urban Forum Symposium on *Neo-Traditional Urbanism*, with James Howard Kunstler, Charlotte-Mecklenburg Govt, Center, Nov. 1996.
- 1997 Co-Organizer and Panel Moderator for Charlotte Urban Forum Symposium on *The Fractured Metropolis*, with Jonathan Barnett, Charlotte-Mecklenburg Govt, Center, Nov. 1996.
- 1997 Co-Organizer and Panel Moderator for Charlotte Urban Forum Symposium on *Retail in Neo-Traditional Development*, with James Gibbs, Charlotte-Mecklenburg Govt, Center, Feb. 1997.
- 1997 Co-Organizer and Charrette Team Leader for the *Uptown Design Charrette*, sponsored by the Charlotte Urban Forum, the College of Architecture and the Urban Institute, UNC Charlotte, the AIA Charlotte Chapter and the Charlotte-Mecklenburg Planning Commission, at Charlotte-Mecklenburg Govt, Center, Feb. 1997.
- 1997 Co-Organizer and Panel Moderator, *Shaping a Regional Vision*, Conference on Regional Planning sponsored by the Carolina Issues Forum et. al, UNC Charlotte, Oct. 1997.
- 1997 Co-Organizer and Panel Moderator, *Walkable Communities* (with Dan Burden), Conference on Sustainable Planning and Design sponsored by The Charlotte Urban Forum, the College of Architecture UNC Charlotte, NC DOT, and the Charlotte-Mecklenburg Planning Commission, Oct. 1997.
- 2004 "The Future Office," AIA Summer Design Conference 2004, (with Chris Grech). Founding Member of Conference Planning and Steering Committee and Session

Moderator.

EXHIBITIONS: CURATED

Architecture and Urban Design

- 1980 *Ashburton: Its Place in the Future*. Exhibition of student design projects for the ecological revitalization of the small town of Ashburton, Devon, England; Graduate Program, Plymouth Polytechnic School of Architecture.
- 1985 *Where Kings and Gods Meet: the Royal Centre at Vijayanagara, India*. This was the first showing anywhere in American of this exhibition of recently discovered Indian medieval architecture. Mississippi State University, Architecture Gallery.
- 1986 *AIA South East Regional Design Awards*. Mississippi State University, Architecture Gallery.
- 1986 *American Gardens: a Typology*. An Exhibition featuring the historical landscape analysis of Professor Joanna Lombard of the School of Architecture at the University of Miami. Mississippi State University, Architecture Gallery.
- 1986 *Little Rock - a downtown future?* Exhibition of work produced by 4th Year Design Studio, Mississippi State University School of Architecture. Arkansas Territorial Restoration Gallery, Little Rock, January 1986.
- 1987 *Architecture from Academe: an Exhibition of Faculty Design Work*, School of Architecture, Mississippi State University. Mississippi State University, Architecture Gallery.
- 1987 *Life after Academe*. Professional Design Work by Alumni of MSU School of Architecture. Mississippi State University, Architecture Gallery.
- 1987 *The Decadent Decade*. Ten Years of Screen Prints by Professor Hank Hildebrandt, graphic designer and architect, MSU. Mississippi State University, Architecture Gallery.
- 1987 *Homes in the City: Living Downtown*. 2nd Annual Exhibition of 4th Year Design Studio projects from MSU School of Architecture. Arkansas Territorial Restoration Gallery, Little Rock, Jan 1987.
- 1987 School of Architecture, Mississippi State University, Exhibition of Faculty Design Work. Presentation panels on Buildings in Urban Contexts. Mississippi State University, Architecture Gallery.
- 1991 *The Landscape as Idea: Art, Architecture and Urbanism*. Exhibition curated from the Permanent Collection of the Mint Museum of Art, Charlotte, N.C. The College of Architecture Gallery, the University of North Carolina @ Charlotte, October - December 1991.
- 1993 *Huntersville: Visions for the Future*. Exhibition of student design work, Huntersville Town Hall.
- 1993 *Pattern and Context: The Architecture of Cesar Pelli and Associates*. Exhibition curated with Lee Gray. Traveling exhibition to S.E. Region Schools of Architecture. Storrs Gallery, University of North Carolina at Charlotte.

- 1993 *Furniture for the Post-Industrial Age*. Postmodern Furniture by Russell Pound and Steve Beck, Charlotte, NC. Storrs Gallery, University of North Carolina at Charlotte.
- 1994 *Drawings*. Drawings by Sanda Iliescu, College of Architecture, UNC-Charlotte, Rome Prize Winner, 1993. Storrs Gallery, University of North Carolina at Charlotte.
- 1994 -95 *Work of the COA Summer programs*
Nikken Sekkei -- Contemporary Japanese Architecture
A City for Learning: Urban Futures for an Edge City. The development of the UNCC Master Plan.
Decoding the City; the Urban Sketches of Tom and Kelly Carlson-Reddig
Living on the Second Floor: the Furniture of Kevin Kemner
Architecture from Academe: Work of the Faculty of the COA
 Storrs Gallery, University of North Carolina at Charlotte.
- 1996 *Richard Sharp Smith - A Retrospective*. Smith, an English architect who came to the USA to work for Richard Morris Hunt, and was the supervising architect for Biltmore House. Smith then stayed in Ashville and created many of the city's fine buildings over the following thirty years. Storrs Gallery, University of North Carolina at Charlotte.
- 1996 Co-organizer (with Nelson Benzing) *Great Streets, Great Places: Settings for Civic Life*. Exhibition at the Charlotte-Mecklenburg Govt. Center, March - April 1996.
- 1997 *The Livable City*, at the Charlotte-Mecklenburg Public Library, Summer 1997 (with Nelson Benzing).
- 1997 *Walkable Communities*, at the Museum of the New South, October, 1997 (with Nelson Benzing).
- 1997 *Livable Cities and Walkable Neighborhoods*, at the School of Architecture, University of New Mexico, Albuquerque, NM, (with Nelson Benzing).
- 1999 *An Architect's Practice: the Work of S. Scott Ferebee, Jr. and the FWA Group*. Exhibition curated with Lee Gray, UNC Charlotte, and The Mint Museum of Craft and Design.

EXHIBITIONS: JURIED

Architecture and Urban Design

- 1982 Royal Academy, London: Association of Consultant Architects Exhibition, *ACA at the RA*. Urban Renewal Project, Penryn, Cornwall.
- 1984 Woodruff Art Gallery, Atlanta, Georgia: S. E. Regional Colleges of Architecture Design Awards. Presentation panels on Urban Analysis.
- 1985 Vancouver Art Museum, Vancouver, Canada: National ACSA Conference. Juried Competition of faculty design work. Presentation panels on Urban Space Analysis and Housing Design Strategies.

- 1992 *Collegiate Exhibition for Excellence in Urban Design*, AIA National Juried Competition, Orlando, FL., Exhibit entitled *Urban Interventions: a Morphological Approach - Harbourside Redevelopment*, Penryn, Cornwall, March 1992.

EXHIBITIONS: INVITATIONAL

Architecture and Urban Design

- 1985 Meridian Museum of Art, Meridian, Mississippi: Exhibition of the work of Architects in Mississippi. Presentation panels on designs for New Town Development, Destin, Florida.
- 1985 School of Architecture, Florida A. & M. University, Tallahassee. S. E. Regional ACSA Conference. Faculty design work: Presentation panel on Urban Design and Analysis Studies.
- 1995 *Polemic Houses*. Invitational Exhibition on the theme of Contemporary houses and housing. College of Architecture Temporary Gallery, City Fair, Charlotte, NC.
- 1995 *Architecture from Academe*. Exhibition of the work of the Faculty of the College of Architecture, Storrs Gallery, University of North Carolina at Charlotte.
- 1996 *Small Towns in Mecklenburg County*, Exhibition boards at the Fourth National Congress of the New Urbanism, Charleston, SC, May 1996.
- 1996 *Public Art Freeway Bridges*. Exhibit in *Public Art and Urban Design: Public Art Proposals for Charlotte*, The Charlotte-Mecklenburg public Art Commission and the Charlotte Chamber of Commerce, Charlotte, Fall, 1996 (with Linda Brown).
- 1997 *Revolutionary Traditions*, Exhibition of Town Planning and Urban Design Projects 1994-97, College of Architecture, UNC Charlotte, Jan. 1997.

SERVICE (edited)

Recent University, Professional and Community Service

University

- 1979 - 83 Member of the Committee for Academic Planning and Development, Plymouth Polytechnic.
- 1979 - 81 Member of the national Schools of Architecture Council (SAC)
- 1979 - 82 Chair, Southwest Region, SAC.
- 1981 - 83 Representative for Plymouth Polytechnic on the European Association of Architectural Education (EAAE.)
- 1985 - 87 Member of the Graduate Faculty, Mississippi State University.
- 1985 - 87 Member, Rhodes Scholarship Committee, Mississippi State University.
- 1985 - 87 Member, University Museums Committee, Mississippi State University.
- 1988 - 90 Member of the Graduate Faculty, University of Oklahoma.
- 1991 -to date Member of the Graduate Faculty, University of North Carolina @ Charlotte.

1991 - to date Member of the Academic Integrity Board, UNCC

1993 - 94 Member of the Campus Planning Committee, UNCC. Member of the "University Values Sub-Committee" charged with defining the intellectual, ideological and physical character of the university.

1993 Member of the Campus Master Plan Consultant Selection Committee.

1993 - 98 Alternate Member, Faculty Council

1993 - 94 Chancellor's special representative to the Hampton Park community, in north-west Charlotte adjacent to UNC-C, with special responsibility for design mitigation of the impact of the neighboring shopping Center.

1994 - 95 Member of the Campus Planning Committee, UNCC.

1994 - 96 Member of the NationsBank Teaching Award Committee.

1995 - 99 Member of Graduate Council.

1995 - 97 Member of the Campus Plan Oversight Committee.

1995 - 98 Member of the Graduate Coordinators' Committee.

1996 Chairman, UNC-C Fund Drive for the Charlotte-Mecklenburg Arts and Science Council Annual Fund Drive.

1997 Member, Phase VII Housing Design Committee

1998 Member of the Graduate Council Subcommittee on Standards

1998 Presentation to UNC Charlotte Board of Visitors on *Community-based Design at the College of Architecture*, Fall 1998 (with Deb Ryan).

1999 - 2003 Member, Faculty Council

1999 - 2002 Member of the Traffic, Parking and Mass Transit Committee

1999 Member, Graduate Dean Search Committee

2000 to date Member of Executive Steering Committee for Graduate Community Planning Program

2000 to date Member, Admissions Committee, Community Planning Program

2000 Member, Campus Planning Task Force

2000 Member, Faculty Hearing Committee

2000 Member, Campus Planning Consultant Search Committee

- 2000 Advisor to The UNC Charlotte Urban Institute Research Team for The University City Development Study
- 2000 Lecture on “The UNC Charlotte Master Plan” to the Annual Meeting of American Society of Civil Engineers
- 2001 Member, Search Committee for Vice-Chancellor for Extended Academic Programs / Director of Metropolitan Studies Group
- 2002 -2003 Member, Search Committee for the Director of the Urban Institute
- 2004 - to date Member, Faculty Executive Committee
- 2004 – 2007 Member, Summer Programs Advisory Committee
- 2005 – 2007 Member, Faculty Academic Planning and Budget Committee
- 2007 Member special University Ad-hoc Committee to adjudicate a case of academic malpractice by an UNC-Charlotte faculty member.
- 2007 Elected Chair of the faculty Employment Status Committee (FESC)

Professional and Community Service

- 1995 - 99 Charlotte / Mecklenburg Public Art Commissioner
- 2000 Participant, Charlotte/Mecklenburg Planning Commission Community Workshops on revising the C/M Zoning Ordinance
- 2000-02 Participant, Charlotte/Mecklenburg Planning Commission Community Workshops on developing the new Pedestrian Overlay District Zoning for major urban corridors. Charrette Leader for East Boulevard Pedscape Charrette.
- 2000-03 Board Member, Dilworth Community Development Association
Member of the Subcommittee on Planning and Urban Design
- 2001 Consultant to Urban Land Institute Study Team for North Transit Corridor, Charlotte, April, 2001
- 2001 Member, Special Advisory Committee on Downtown Arena Design, Charlotte, April, 2001.
- 2001 to date Member, Artists’ Advisory Committee, McColl Center for Visual Art
- 2003 - 2005 Judge for Historic Charlotte Preservation Awards
- 2003 – 2007 Chair, Charlotte Area Transit System (CATS) Public Art in Transit Advisory Committee. Responsible for commissioning artists and overseeing \$2.5 million art budget. Report to Metropolitan transit commission and Charlotte City Council.
- 2004 Juror, Society of American Registered Architects National Design Awards

HARRISON S. CAMPBELL, JR.
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<http://www.uncc.edu/hscampbe/>

1. EDUCATION AND EMPLOYMENT

1.1 Education

Ph.D., 1994, Economic Geography / Regional Science, University of Illinois at Urbana-Champaign

M.A., 1987, Geography, University of Illinois at Urbana-Champaign

B.A., 1985, Economics and Geography, Clark University, Worcester, MA

1.2 Employment

Associate Professor, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, 2002 to present.

Specializing in regional development, regional impact assessment, policy analysis and program evaluation.

Assistant Professor, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, 1996-2002

Research Assistant Professor, The Institute of Public Policy, George Mason University, Fairfax, VA, 1993-1996.

Research activities focused on the development of econometric/input-output models for long run forecasting, impact analysis, and public policy decision support.

Program and Policy Analyst, Institute of Government and Public Affairs, University of Illinois, Urbana-Champaign, 1987-1993.

Developed policy-oriented information systems for use in Illinois local governments; Developed input-output models to assess the impact of value-added activity in Illinois agriculture. Worked with Illinois Cooperative Extension Service in developing, training, and dissemination of programs for community and economic development, local government planning and fiscal analysis.

2. TEACHING

2.1 Courses Taught

University of North Carolina at Charlotte

Location of Human Activity (GEOG 1105)
Introduction to Economic Geography (GEOG 2105)
Sport, Place and Development (GEOG 4108)
Industrial Location (GEOG 6104)
Applied Regional Analysis (GEOG 6116)
Urban Regional Environment (GEOG 8610 / PPOL 8610)
Regional Economic Development (PPOL 8642)
Seminar in Geographic Thought and Research (GEOG 8100)

George Mason University

Introduction to Economic Geography (GEOG 305)
Theory of Regional Development (PUBP 810)
Methods of Regional Analysis (PUBP 833).

2.2 Thesis/Internship Advisor

Olga Smirnova - Does Government Structure Really Matter? A Comparison of Efficiency and Effectiveness of Special Purpose versus General Purpose Government Transit Operations, @ Public Policy PhD Program, in progress.

Gary Kunkle - High Growth Firms and Regional Development, Public Policy PhD Program, in progress.

Huiping Li - Poverty and Metropolitan Performance, Public Policy PhD Program, in progress.

Kirsten Wells - Energy and Urban Form, Public Policy PhD Program, in progress.

Christian Templeton - Crime Risk Factors at Family Dollar Stores, in progress

Preston Cleaton - Needs Assessment in Rowan County, May, 2006.

Robert Koch - Intrametropolitan Corporate Office Location Decisions: Assessing the Importance of Access to Clients and Support Services, December, 2003.

John Gargiulo - *Fortune* 500 Headquarter Relocation, 1995-2002: An Empirical Analysis, June, 2002.

Lori Quinn - Redeveloping Underutilized or Vacant Commercial Structures: Determining the Optimal Land Use for Changing Markets, May, 2002.

Kevin White - The Effects of Architectural Design on Occupancy Rates for Neighborhood Shopping Centers in Mecklenburg, North Carolina, May, 2002.

Casey Hartl - Assessing the Effects of Changing Land Use on Property Values, Department of Geography and Earth Sciences, UNC-Charlotte, April, 2001.

Otsuki, Sunoko - Location Decisions of Japanese Firms in the Charlotte Region, Department of

Geography and Earth Sciences, UNC-Charlotte, December, 2000.

David Spawn - Development of a Spatial Decision Support System for Shopping Center Acquisition, Department of Geography and Earth Sciences, UNC-Charlotte, November, 2000.

2.3 Thesis/Internship or Senior Project Committee Member

Huili Hao - Brownfield Redevelopment, Public Policy PhD Program, in progress.

Dustin Read - Adequate Facilities Legislation in North Carolina, Public Policy PhD Program, in progress.

Nick Swartz - A New Method for Assessing the Impact of Airport Facilities, Public Policy PhD Program, in progress.

Junfeng Wang - Brownfields and Public Health Risks, Public Policy PhD Program, in progress.

Christopher Woodey - Cost-Benefit Analysis of Incentives to Knowledge-Producing Firms BB A Case Study of Johnson & Wales University, July, 2006.

Stuart Hair - Beyond Bank Assets: Charlotte as a Financial Center in the New Millennium. Completed July, 2006.

Eric Parker - The Determinants of German Foreign Direct Investment in the Charlotte Region, December, 2005.

Craig Thomas - Managing Growth With Transit-Supportive Principles in Matthews, North Carolina, August 2005.

Berry Ferrington - Gentrification and the Commercial Landscape: Reaching Beyond the Residential, August 13, 2003.

John Crouse - Impact of Fred's on Family Dollar Store Sales, March, 2003.

Scott Weston - Understanding Family Dollar Store=s Soft Line Sales, June, 2002.

Kyle Stewart - The Impact of Wal-Mart Supercenters on SUPRVALU Grocery Retailers, May, 2002.

Jerod Dinkin - Retailing in the Largest U.S. Airports, April, 2002.

Jeff Nickel - Retail Spending in North Carolina Counties, January, 2002.

Joseph Young - The Effects of Public Policy on Adaptive Reuse Real Estate Development, October, 2001.

Benton Haskamp, - Data Inventory and Geo-Coding Feasibility Assessment, September, 2001.

Tim Lawrence - An Analysis of Trade Areas, Distance Decay and Market Penetration for Family Dollar Stores Using Customer Spotting Data, August, 2001.

Joseph Foley - Concentration of Elderly Residents in Trade Areas and Big K Store Performance, Department of Geography and Earth Sciences, UNC Charlotte, June, 2001.

Stephen Constenoble - Variation in Shopping Center Space Provision Across U.S. Metropolitan Areas, Department of Geography and Earth Sciences, UNC-Charlotte, June, 2001.

Michael Spriggs - Kmart Sales Forecasting for Non-metro Urbanized Counties, Department of Geography and Earth Sciences, UNC-Charlotte, April, 2001.

Francis Salmon - Button Design for Weighted Map Overlays in a Planning Support System, Department of Geography and Earth Sciences, UNC-Charlotte, June 2000.

Kara Elmquist - Development of Shopping Center Ranking Models for Gap and GapKids Stores, Department of Geography and Earth Sciences, UNC-Charlotte, January, 2000.

Kevin Stewart - Comprehensive Plan for a Carolinas Land Conservation Network Geographic Information System, Department of Geography and Earth Sciences, UNC-Charlotte, December, 1999.

David Wrubel - The Use of Constraint Variables in Generating Consumers= Retail Activity Spaces, Department of Geography and Earth Sciences, UNC Charlotte, August, 1999.

Brian Strickland - Kmart Corporations Performance and New Store Potential Within Urban Areas, Department of Geography and Earth Sciences, UNC-Charlotte, August 1999.

Carlos Ariera - Human Capital and Social Capital Within Brazilian Families, The Institute of Public Policy, George Mason University, October, 1999.

Derrick Burke - Development and Distribution of a Geographically Referenced Employment Database for Mecklenburg County, Department of Geography and Earth Sciences, UNC-Charlotte, Completed, August, 1999.

Gail Siegers - Defining Workplace Issues for Business Retention Purposes, Department of Geography and Earth Sciences, UNC-Charlotte, September, 1999.

Okko Grippando - Using Multivariate Regression Analysis to Rank Non-Metropolitan Markets, Department of Geography and Earth Sciences, UNC-Charlotte, November, 1998.

Danny Swicegood - An Analysis of Alcohol-Related Offenses in Matthews, North Carolina, Department of Geography and Earth Sciences, UNC-Charlotte, August 1998.

Kyle Stillson - Home Meal Replacement Consumer Patronage in the Charlotte, NC Market, Department of Geography and Earth Sciences, UNC-Charlotte, May, 1998.

Robert Penny - The Assessment of the Relative Importance of Public Sector Versus Private Sector Export Assistance in the Export Performance of Virginia Manufactures, The Institute of Public Policy, George Mason University, June 1997.

Emeka Endizema - Infrastructure Development and Regional Growth in Nigeria, The Institute of

Public Policy, George Mason University, In Progress.

2.4 Supervisor/Sponsor of Other Significant Student Activity

Greg Fields, Shane Stewart and Yuanyuan Zhu, *Stanly County: Economic Development Profile and Potential Industry Targets*, Research report prepared for GEOG 6116 Applied Regional Analysis, June 2003, 87 pages.

John Crouse, Brian Nadolny and Craig Thomas, *Bringing It Home: Attendance Impacts of a New Stadium for the Charlotte Knights*, Research report prepared for GEOG 5108 Sport, Place and Development, May 2002.

Casey Hartl, *Assessing the Effects of Changing Land Use on Property Values*, Winner of *Niner Research Across the Disciplines Graduate Research Fair*, Social Sciences Division, University of North Carolina at Charlotte, April 14, 2001.

Francis Solmon, *Franchise Success and the Location of Sport Facilities*, Semester term paper presented and published in *Papers and Proceedings of the Applied Geography Conference*, 22, 1999.

K. Elmquist, B. Evans, M. Meyer and D. Wrubel, *Assessing the Costs and Benefits of Incentives in a Carolina County*, Class project paper presented and published in *Papers and Proceedings of the Applied Geography Conference*, 22, 1999.

2.5 Supervisor of Independent Study

Chris Moore, Department of Geography and Earth Sciences, UNC Charlotte, Spring 2007

Gary Kunkle, Public Policy Program, UNC Charlotte, Spring 2006

Rob Koch, Department of Geography and Earth Sciences, UNC Charlotte, Fall 2002

John Gargulo, Department of Geography and Earth Sciences, UNC Charlotte, Spring 2002

Chae Pak, Department of Geography and Earth Sciences, UNC Charlotte, Fall 2001

Aron Arbel, Department of Geography and Earth Sciences, UNC-Charlotte, Fall 1999

Sonoko Otsuki, Department of Geography and Earth Sciences, UNC-Charlotte, Spring 1999

David Spawn, Department of Geography and Earth Sciences, UNC-Charlotte, Summer 1997

2.6 Other Educational Experiences

Virtual Geography Department Workshop, University of Texas, Austin, TX. Week-long workshop devoted to learning and developing Internet resources for classroom instruction. June 28- July 3, 1998.

Winter Institute Program on Instructional Technology, January 7-8, 1998, UNC Charlotte.

Virtual Geography Department Workshop, University of Texas, Austin, TX. Week-long workshop devoted to learning and developing Internet resources for classroom instruction. June 15-22, 1997.

2.7 Professional Workshops, Symposiums & Seminars

Analyzing the Impacts of Special Events,@ Day-long workshop presented at the ACCRA annual conference, Charlotte, NC, June 5, 2006.

The Geography of Spending in Economic Impact Analysis,@ Presentation at the ACCRA workshop on Economic Development Tools, University of North Carolina, Chapel Hill, March 9, 2005.

Accounting for Leakages in Economic Impact Studies,@ Workshop presented at the Southern ACCRA Meeting, Charlotte, NC, November 6, 2002.

Effects of Regional Aggregation in Impact Assessments,@ Workshop presented at the Southern ACCRA Meeting, Charlotte, NC, November 6, 2002.

Coping with Recession,@ Round Table Seminar/Workshop for the East Asian Delegation, UNC Charlotte, October 18, 2002.

Unearned Income and Local Employment Growth: An Economic Base Analysis,@ Public Policy Seminar, UNC Charlotte, September 20, 2002.

Developing Basic Models for Regional Analysis,@ Workshop conducted for the ACCRA program on Research Methods Training for Economic Development Practitioners, Arlington, VA, September 20, 2000.

Understanding Advanced Models,@ Workshop conducted for the ACCRA program on Research Methods Training for Economic Development Practitioners, Arlington, VA, September 20,2000.

An Economic Profile of Stanly County, NC,@ Seminar presented to the Stanly County Chamber of Commerce, July 12, 2000.

Charlotte Leading and Coincident Indicators: An Economic Barometer,@ Seminar presented to the Charlotte Area Research Professionals, Charlotte Chamber of Commerce, April 26, 2000.

Applied Urban-Economic Geographic Research, Seminar conducted for the Department of Geography, University of North Carolina at Greensboro, Greensboro, NC, March 11, 1998.

The Suburbanization of Producer Service Employment: Metropolitan Washington, D.C., 1969-1992,@ Colloquium, The Institute of Public Policy, George Mason University, May, 1996. (With J.W. Harrington)

Regionalism and Planning at the Local Level, Seminar for the Regional Leadership Development Institute, Prince William County, VA, May, 1996.

Models for Economic Forecasting and Scenario Impact Assessment, Presentation for the Workshop on Decision Support Tools for Regional Economic Development, Center for Innovative Technology, Chantilly, VA, March, 1996.

Economic Development: Tools for Maximizing Your Potential,@ Seminar for the Conference on Transforming Local Government, Norfolk, VA, April, 1996.

National Capital Region Forecast: 1997-2010,@ Presentation for the 1996 Symposium on the Outlook and Forecast for the National Capital Region, George Mason University, April, 1996.

Integrated Modeling for Forecasting and Policy Analysis,@ Colloquium, George Mason University, Fairfax, VA, September, 1995.

Northern Virginia and the National Capital Region: Forecasts from NCREIM,@ Presentation for the Second Annual Symposium on the Future of Northern Virginia, George Mason University, June, 1995.

The Future of the Washington Metropolitan Area: Forecasts from the National Capital Region Econometric Input-Output Model (NCREIM),@ Presentation for the 1995 Symposium on the Outlook and Forecast for the National Capital Regional, George Mason University, May, 1995.

Developing County Economic Profiles,@ Workshop conducted for the Cooperative Extension Service, University of Illinois, May, 1993.

A Demographic Accounting Model of Labor Supply,@ Seminar for the Regional Science Workshop, University of Illinois, October 1991.

Education, Occupational Mobility, and the Labor Market: A Demo-Economic Model of the Chicago Region,@ Colloquium, Department of Geography, University of Illinois, October, 1991.

2.8 Significant Teaching Materials Developed

Urban Land Use: Residential Patterns and Change, Web-based learning model for undergraduate urban and economic geography, developed as part of the Virtual Geography Department, 1998. See <http://www.uncc.edu/hscampbe/landuse/intro/a-intro.html>.

3. RESEARCH

3.1 Refereed Publications

CAMPBELL, H.S., Jr. and D.K. Munroe (2007), Greenways and Greenbacks: The Impact of the Catawba Regional Trail on Local Property Values in Charlotte, North Carolina,@ *Southeastern Geographer*, 47(1): 118-137.

CAMPBELL, H.S. Jr. and A.W. Stuart (2006) Industrial Regions,@ in *The New Encyclopedia of Southern Culture*, Volume 2, Chapel Hill: University of North Carolina Press, p. 79-86.

CAMPBELL, H.S. Jr. and K. E. Pool (2005) A Practical Approach to Analyzing Industry Clusters: An Illustration from the Future Forward Region,@ *Applied Research in Economic Development*,

2(2):47-64 .

- CAMPBELL, H.S. Jr. (2003) Unearned Income and Local Employment Growth in North Carolina: An Economic Base Analysis,@ *Southeastern Geographer*, 43(1): 89-103.
- Graves, B. and CAMPBELL, H.S. JR. (2001) Paying for the New Economy: The Geography of Equity Finance in North Carolina,@ *The North Carolina Geographer*, 9, p 24-41.
- CAMPBELL, H.S., JR. (2000). Education, Training and Regional Development: A Policy-Relevant Agenda for Regional Science,@ *The Review of Regional Studies*, 30(1): 85-91.
- CAMPBELL, H.S., JR. (2000). The Economy,@ Chapter 6 in *The North Carolina Atlas: Portrait for a New Century*, D. Orr and A. Stuart, editors, University of North Carolina Press: Chapel Hill, p. 123-148.
- CAMPBELL, H.S., JR. (1999). Professional Sports and Urban Development: A Brief Review of Issues and Studies,@ *The Review of Regional Studies*, 29(3): 272-292.
- CAMPBELL, H.S., JR., K. Elmquist, B. Evans, M. Meyer and D. Wrubel (1999). Assessing the Costs and Benefits of Incentives in a Carolina County,@ *Economic Development Review*, 16(3): 21-26. Reprinted from *Papers and Proceedings of the Applied Geography Conference*, 22: 123-131.
- CAMPBELL, H.S., JR. and Stuart, A.W. (1998). Foreign Direct Investment in North Carolina,@ *The North Carolina Geographer*, 6: 37-49.
- Stough, R., Haynes, K. and CAMPBELL, H.S., JR. (1998). Small Business Entrepreneurship in the High Technology Services Sector: An Assessment for the Edge Cities of the U.S. National Capital Regional,@ *Small Business Economics*, 10(1): 61-74
- CAMPBELL, H.S., JR. (1997). School Enrollment in an Extended Demographic Model,@ *Journal of Economic and Social Measurement*, 23(1): 27-44.
- Harrington, J.W. and CAMPBELL, H.S., JR. (1997). The Suburbanization of Producer Service Employment,@ *Growth and Change*, 28(3): 335-370.
- Stough, R., Haynes, K. and CAMPBELL, H.S. JR. (1996). Evolution of the Netplex: The Economic Dynamics of the U.S. National Capital Region,@ *L=Espace Geographique*, 25(4): 301-308.
- CAMPBELL, H.S., JR. (1995). A Newcomer's Perspective on Regional Science,@ *International Regional Science Review*, 18(2): 253-257.
- Crihfield, J.B., CAMPBELL, H.S., JR., Beirman, W.W. and Gruidl, J. (1993). *Analyzing Economic Impacts in Your Community*, RURAL PARTNERS/W.K. Kellogg Program and Cooperative Extension Service, Number AE 4672-14, Urbana: University of Illinois.
- Crihfield, J.B. and CAMPBELL, H.S., JR. (1992). Evaluating Alternative Regional Planning Models: Reply,@ *Growth and Change*, 23(4): 521-530.
- CAMPBELL, H.S., JR. and Crihfield, J.B. (1992). Economic and Fiscal Impact Analysis: A Primer,@

Agricultural Experiment Station Bulletin, No. 807, College of Agriculture, Urbana: University of Illinois.

Crihfield, J.B. and CAMPBELL, H.S., JR. (1991). Evaluating Alternative Regional Planning Models, @ *Growth and Change*, 22(2): 1-16.

Crihfield, J.B., CAMPBELL, H.S., JR. and Biermann, W.W. (1991). *Developing County Economic Profiles*, RURAL PARTNERS/W.K. Kellogg Program and Cooperative Extension Service, Number AE 4672-9, Urbana: University of Illinois.

CAMPBELL, H.S., JR. (1990). *Templates for Local Economic Analysis*, CIES Publications, Office of Continuing Education and Public Service, University of Illinois, Urbana.

CAMPBELL, H.S., JR. (1990). Comparative Fiscal Analysis for Counties, @ *Public Budgeting & Finance*, 10(2): 88-95.

3.2 Books

CAMPBELL, H.S., JR. (1990). *Fiscal Summary of Illinois County Government, 1987*, CIES Publications, Office of Continuing Education and Public Service, Urbana: University of Illinois, ISBN 1-877847-50-X.

CAMPBELL, H.S., JR. (1990). *Comparative Fiscal Analysis for Counties User's Manual*, CIES Publications, Office of Continuing Education and Public Service, Urbana: University of Illinois, ISBN 1-877847-51.

3.3 Monographs and Technical Reports

CAMPBELL, H.S., JR. (2007) Women, Work and Wages, Report prepared for the UNC Charlotte Urban Institute, Women's Summit, August.

A.W. Stuart and H.S. CAMPBELL, JR. (2002) The Optoelectronics Industry: A Targeting Study for Charlotte, Report prepared for the Charlotte Chamber of Commerce, Charlotte, NC.

CAMPBELL, H.S., JR. and Furuseth, O.J. (2000). Evaluating NIP Expenditures in Charlotte's Neighborhoods: Phase II Report, Prepared for the Department of Budget and Evaluation, City of Charlotte, Charlotte, NC.

Hartgen, D., Stuart, A.W. and CAMPBELL, H.S., JR. (1999). *New York's Highway System: Performance, Needs and Funding*, Prepared for The Crisis Program, Albany, New York.

Hartgen, D., Stuart, A.W. and CAMPBELL, H.S., JR. (1999). *Economic Impact of Michael J. Smith Airport*, Technical report prepared under contract for the Carteret County Economic Development Commission, Carteret County, NC.

Hartgen, D., CAMPBELL, H.S., JR., McCoy, W. and Baydess, B. (1998). *Economic Impact of the Proposed Monroe-Gastonia Connector*, Technical report prepared for the Chambers of

- Commerce of Gaston County, NC, Union County, NC, Lancaster County, SC and Rock Hill, SC.
- CAMPBELL, H.S., JR., Elmquist, K., Evans, B., Meyer, M., and Wruble, D. (1999). *Incentives and Industrial Location in Iredell County: A Community and Fiscal Impact Assessment*, Monograph, Department of Geography and Earth Sciences, UNC Charlotte.
- CAMPBELL, H.S., JR., et al.(1998). *Major League Baseball in North Carolina: A Market Area Analysis of the Triad and Charlotte Regions with Comparisons to Other Baseball Markets*, Monograph, Department of Geography and Earth Sciences, University of North Carolina at Charlotte.
- CAMPBELL, H.S., JR. and Furuseth, O.J. (1997). Evaluating NIP Expenditures in Charlotte=s Neighborhoods: Phase I Report,@ Prepared for the Department of Budget and Evaluation, City of Charlotte, Charlotte, NC.
- Hartgen, D., Stuart, A.W. and CAMPBELL, H.S., JR. (1997). Economic Impact of Charlotte/Douglas International Airport,@ Technical report prepared for the UNC-Charlotte Urban Institute and Charlotte/Douglas International Airport, Charlotte, NC.
- Hartgen, D., CAMPBELL, H.S., JR., Lord, J.D., Spawn, D. (1996). Survey of the Motorsports Industry in Cabarrus, Iredell and Mecklenburg Counties,@ Technical report prepared for the Cabarrus Chamber of Commerce, Cabarrus Economic Development, City of Concord and Cabarrus County Tourism Authority, Charlotte: University of North Carolina at Charlotte.
- Stough, R., CAMPBELL, H.S., JR., Fuller, S., Hill, C., Salem, P. (1995). Technology Infrastructure Assessment in Virginia,@ Prepared for Virginia's Center for Innovative Technology, Chantilly, VA.
- CAMPBELL, H.S., JR. (1995). A Technology Sectors in Suburban Maryland: Their Economic and Fiscal Impact,@ Prepared for the Suburban Maryland High Technology Council, Montgomery County, MD.
- Stough, R., Popino, J. and CAMPBELL, H.S., JR. (1995). The Greater Washington Board of Trade Report on Technology in the National Capital Region,@ Report prepared under contract for the Greater Washington Board of Trade, Washington, DC.
- CAMPBELL, H.S. (1995). *Governance Options in Reston, VA and Their Fiscal Implications*. Report Prepared for *Reston 2000*, Center for Regional Analysis, The Institute of Public Policy, George Mason University.
- CAMPBELL, H.S., JR. and Valentine, P. (1994). George Mason University and the Commonwealth of Virginia: An Economic and Fiscal Impact Analysis,@ Center for Regional Analysis, The Institute of Public Policy, Fairfax, VA: George Mason University.
- Bloomquist, K. and CAMPBELL, H.S., JR. (1988). Estimating the Fiscal Impacts of Urban Flood Control: Toward the Development of a Generalized Procedure,@ U.S. Army Corps of Engineers, Construction Engineering Research Laboratory, Champaign, IL.
- Bloomquist, K., CAMPBELL, H.S., JR. and Olsen, M. (1987). EIFS Tutorial: The Automated Input-

Output Multiplier System (AIMS),@ U.S. Army Corps of Engineers, Construction Engineering Research Laboratory, Champaign, IL, 1987.

CAMPBELL, H.S., JR. (1983). *Municipal Program Evaluation: Methods and Techniques*, Monograph prepared for the Office of Planning and Community Development, Worcester, MA.

3.4 Other Articles and Published Papers

CAMPBELL, H.S., JR. (1996). Benchmarking Jurisdictions in Northern Virginia,@ *Proceedings*, Third Annual Conference on the Future of the Northern Virginia Region, Fairfax, VA: George Mason University.

CAMPBELL, H.S., JR. (1996). Forecast for Northern Virginia, 1997-2010 and the Economic Impact of Regional Development Scenarios,@ *Proceedings*, Third Annual Conference on the Future of the Northern Virginia Region, Fairfax, VA: George Mason University.

CAMPBELL, H.S., JR. (1995). Forecasting the Northern Virginia Economy with NVREIM,@ *Papers and Proceedings*, Virginia Association of Economists, Volume 3.

CAMPBELL, H.S., JR. (1994). Forecasting the Future of Northern Virginia: An Application of NVREIM,@ in *Proceedings*, First Annual Conference on the Future of the Northern Virginia Economy, Center for Regional Analysis, Fairfax, VA: George Mason University.

Crihfield, J.B and CAMPBELL, H.S., JR. (1993). Economic Multipliers for Metropolitan Areas in Illinois, and Implications for the Proposed Rural Chicago Airport,@ *Farm Economics Facts and Opinions*, Issue 93-1, College of Agriculture, Urbana: University of Illinois.

Crihfield, J.B and CAMPBELL, H.S., JR. (1992). Economic Development Incentive Packages: Are they a Good Deal for Governments and the States?,@ *Illinois Business Review*, Volume 49, Number 1.

Crihfield, J.B and CAMPBELL, H.S., JR. (1992). Land-Use Decisions in Rural Areas: Pitting Old King Coal Against Corn,@ *Policy Forum*, Volume 5, Number 1.

Crihfield, J.B and CAMPBELL, H.S., JR. (1991). Economic Multipliers for Rural Illinois Counties and Notes on How to Use Them,@ *Farm Facts and Opinions*, College of Agriculture, University of Illinois, Urbana.

CAMPBELL, H.S., JR. and Giertz, J.F. (1990). Impact Fees for Developing Infrastructure,@ *Policy Forum*, Volume 3, Number 1.

CAMPBELL, H.S., JR. (1988). State and Regional Economic Impact of Diamond-Star Motors,@ *Illinois Business Review*, Volume 45, Number 4. Reprinted in *Economic Development Review*, Volume 7, Number 3, 1989.

3.5 Papers Presented at Professional Meetings

- Munroe, D. and CAMPBELL, H.S. Jr. (2004) ΔThe Variable Value of Open Space: Estimating the Impact of the Catawba Regional Trail in a Metropolitan, Micropolitan and Rural Area.@ Paper presented at the meetings of the North American Chapter of the Regional Science Association International, Seattle, WA, November 11-13.
- Munroe, D.K., Parker, D.C and CAMPBELL, H.S., JR. (2004) ΔThe Varied Impact of Greenways on Residential Property Values in a Metropolitan, Micropolitan, and Rural Area: The Case of the Catawba Regional Trail @ Selected Paper, 2004 AAEA Annual Meeting, Denver, CO. August 1-4, 2004 (<http://agecon.lib.umn.edu/cgi-bin/detailview.pl?paperid=14264>)
- CAMPBELL, H.S. JR. (2002) Nonemployment Income and Local Employment Growth: An Economic Base Analysis,@ Paper presented at the Southern Regional Science Meetings, Arlington, VA, April 11-13.
- CAMPBELL, H.S. JR. (2001) Clusters, Continuity and Community or Regional Science and Planning for Economic Development: What Do We Have to Offer?,@ Paper presented at the meetings of the North American Chapter of the Regional Science Association International, Charleston, SC, November 16-17.
- CAMPBELL, H.S., JR. (2001). Transfer Payments and the Economic Base of Counties, Paper presented at the meetings of the Association of American Geographers, New York, NY, February 27-March 3.
- CAMPBELL, H.S., JR., Crepeau, R. and Furuseth, O.J. (2000). Do Neighborhood Improvements Affect Property Values?, Paper presented at the Meetings of the Southeastern Division of the Association of American Geographers, Chapel Hill, NC, November 19-21.
- CAMPBELL, H.S., JR. (2000). Local Community Development: Assessing A Federal Initiative, Paper presented at the Applied Geography Conference, Tampa, FL, October 11-14.
- CAMPBELL, H.S., JR. (1999). Foreign Direct Investment: Recent Trends in the American South, Paper presented at the Applied Geography Conference, Charlotte, NC, October 16-18.
- CAMPBELL, H.S., JR., Elmquist, K., Evans, B., Meyer, M. and Wrubel, D. (1999). Assessing the Costs and Benefits of Incentives in a Carolina County,@ Paper presented at the Applied Geography Conference, Charlotte, NC, October 16-18, 1999.
- CAMPBELL, H.S., JR. (1999). Sport and Public Policy in Charlotte, North Carolina, Paper presented at the Applied Geography Conference, Charlotte, NC, October 16-18.
- CAMPBELL, H.S., JR. (1999). Sports Complexes as Economic Development: A Brief Review of Issues and Studies,@ Paper presented at the meetings of the Southern Regional Science Association, Richmond, VA, April 15-17.
- CAMPBELL, H.S., JR. (1999). Southern Futures?: Foreign Direct Investment in the Southern States,@ Paper presented at the meetings of the Southern Regional Science Association, Richmond, VA, April 15-17.
- CAMPBELL, H.S., JR. (1999). Urban Land Use and Web-Based Instruction,@ Paper presented at the

- meetings of the Association of American Geographers, Honolulu, HI, March 22-27.
- CAMPBELL, H.S., JR. (1998). Education, Training and Regional Development: Pursuing A Policy-Relevant Agenda,@ Paper presented at the meetings of the Southern Regional Science Association, Savannah, GA, April 5-8.
- CAMPBELL, H.S., JR. (1998). Demographic Echoes and Facility Planning in Education,@ Paper Presented at the meetings of the Association of American Geographers, Boston, MA, April.
- CAMPBELL, H.S., JR. and Harrington, J.W. (1997). Intrametropolitan Agglomeration of Producer-Service Establishments,@ Paper presented at the meetings of the Association of American Geographers, Fort Worth, TX, April.
- Stough, R., Haynes, K. and CAMPBELL, H.S., JR. (1997). Technology Led Economic Development in the National Capital Region,@ Paper prepared for the Virginia Social Science Association, Fairfax, VA, March, 1997.
- CAMPBELL, H.S., JR., and Harrington, J.W. (1996). The Suburbanization of Producer Service Employment: Metropolitan Washington, D.C., 1969-1992,@ Paper presented at the meetings of the Association of American Geographers, Charlotte, N.C., April.
- CAMPBELL, H.S., JR. (1996).ΔEconomic Modeling of National Capital Development Scenarios: Possible Impacts of Federal Budget Deficit Reduction,@ Paper presented at the meetings of the Southern Regional Science Association, Baltimore MD, April.
- CAMPBELL, H.S., JR. (1995). School Enrollment in an Extended Demographic Model,@ Paper presented at the meetings of the North American Regional Science Association, Cincinnati, OH, November.
- CAMPBELL, H.S., JR. (1995). Forecasting the Northern Virginia Economy with NVREIM,@ Paper presented at the meetings of the Virginia Association of Economists, Richmond, VA, March 17.
- CAMPBELL, H.S., JR. (1995). Education and Labor Supply: An Extended Demographic Model,@ Invited paper presented at the meetings of the Western Regional Science Association, San Diego, CA, February.
- CAMPBELL, H.S., JR. (1995). A Cohort Survivorship Model of Labor Availability with Special Reference to Education,@ Paper presented at the meetings of the North American Regional Science Association, Niagara Falls, Ontario, November.
- CAMPBELL, H.S., JR. (1994). Econometric/Input-Output Modeling for Regional Development Planning,@ Paper presented at the Applied Geography Conference, Akron, OH, October.
- Stough, R., Haynes, K. and CAMPBELL, H.S., JR. (1994). Small Business Entrepreneurship in the High Technology Services Sector: An Assessment for the Edge Cities of the U.S. National Capital Region,@ Paper presented at the Innovation and Entrepreneurship in Small and Medium Sized Enterprises Workshop, Jonkoping, Sweden, September.
- CAMPBELL, H.S., JR. (1992). Demographic Accounting for Educational Planning,@ Paper presented

at the meetings of the North American Chapter of the Regional Science Association International, Chicago, IL, November.

CAMPBELL, H.S., JR. (1987). The Impact of Diamond-Star Motors on the Illinois State Economy,@ Paper presented at the meetings of the Mid-Continent Regional Science Association, Toledo, Ohio. June.

3.6 Research Grants

CAMPBELL, H.S. Jr., PI Labor Shed Analysis, Charlotte Chamber of Commerce, July-October 2007. \$11,375.

CAMPBELL, H.S. Jr., PI and Jana Harrison (Co-PI) Economic Impact of the University City Area, University City Area Council, January 2006. \$8,700

CAMPBELL, H.S. Jr., PI. Metropolitan Charlotte Growth Index, Proposal to the Real Estate and Building Coalition of the Charlotte Area, February 23, 2005, \$24,600. Pending

CAMPBELL, H.S., JR. and Munroe, D. Economic Impact of the Catawba Regional Trail, Voices & Choices of the Central Carolinas, June 2004, \$28,112.

CAMPBELL, H.S., JR. A Regional Adjustment Model of North Carolina Counties, University of North Carolina at Charlotte, June, 2001, \$3,500.

CAMPBELL, H.S., JR. and Furuseth, O.J.. Evaluation of the Neighborhood Improvement Program: Phase II, City of Charlotte, Department of Budget and Evaluation, April 2000, \$7,000

D. Hartgen, P.I., CAMPEBLL, H.S., JR. Economic Impact of Michael J. Smith Airfield, Carteret County Economic Development Council, September 1998, \$36,000.

CAMPBELL, H.S., JR. and Furuseth, O.J. Evaluation of the Neighborhood Improvement Program: Phase I, City of Charlotte, Department of Budget and Evaluation, March, 1997, \$23,000.

Hartgen, D., P.I., CAMPBELL, H.S., JR., Lord, J.D., Spawn, D. Survey of the Motorsports Industry in Cabarrus, Iredell, and Mecklenburg Counties, Cabarrus Chamber of Commerce, Greater Concord Cabarrus Economic Development Corporation, City of Concord, Cabarrus County Tourism Authority, October, 1996, \$5,000.

CAMPBELL, H.S., JR. A Simulation and Forecasting Model for the Charlotte Metropolitan Area, University of North Carolina at Charlotte, September, 1996, \$3,500.

Furuseth, O.J. and CAMPBELL, H.S., JR. (Pending) Simulating the Impact of Alternative Land Use Strategies in Fort Mill, SC, York County Planning Department, York Co., SC. \$75,000.

3.9 Review Activity

Journal Manuscripts:

Annals of Regional Science
Applied Research in Economic Development
Growth and Change
The Industrial Geographer
International Regional Science Review
Journal of Economic and Social Measurement
Journal of Planning Literature
Land Use Policy
Network and Spatial Economics
Southeastern Geographer
Urban Geography

Grant Proposals:
National Science Foundation

3.10 Consulting Contract Work

The Economic Impact of the Charlotte Merchandise Mart and the Impact of its Move to River Center, Report prepared for the Charlotte Merchandise Mart, August 2005.

The Economic Impact of the University of Illinois, FY2003, Report prepared with the Institute of Government and Public Affairs, The University of Illinois, July, 2004 (With J. Fred Giertz).

Economic Impact of the Center for Community Development at Delta State University, Report prepared for the Center for Community Development, Delta State University, Cleveland, MS, March 2003. 87 pages.

Situational Analysis of the Future Forward Study Region, Report prepared for the Center for Regional Competitiveness, Arlington, VA, February 2003. (With A.W. Stuart).

Getting Things Done in the Delta: Impacts of the Delta Service Corps, 2001-2002. Report prepared for the Lower Mississippi Delta Service Corps, Delta State University, Cleveland, MS, February 2003.

MIRL: Mecklenburg Index of Readiness and Literacy, Literacy and workforce readiness monitoring and tracking system developed for Central Piedmont Community College and Charlotte Chamber of Commerce, February, 2002.

Getting Things Done in the Delta: Impacts of the Delta Service Corps, 1998-1999. Report prepared for the Lower Mississippi Delta Service Corps, Delta State University, Cleveland, MS, February 2000.

The Economic Impact of McCormick Place Convention Center, Analysis prepared for the McCormick Place Convention Center, Chicago, IL for the Metropolitan Pier and Exposition Authority, May 1998. (With J.F. Giertz)

The Economic Impact of the Charlotte Merchandise Mart, Report prepared for the Charlotte Merchandise Mart, Charlotte, NC, May, 1998.

The Economic Impact of the University of Illinois, Report prepared with the Institute of Government

and Public Affairs, The University of Illinois, January, 1998 (With J. Fred Giertz).

Economic Impact of the Chicago UPS Facility, United Parcels Service, March, 1991. (With J.F. Giertz)

Impact Fees for Infrastructure Development: Implications for Illinois, Illinois Chamber of Commerce, July, 1989. (With J.F. Giertz and D.L. Chicoine)

4. SERVICE

4.1 University Service

Economic Indicators Task Force, Urban Institute, UNC Charlotte, 2007

Charlotte's Business Growth Index, Presentation to Chancellor Woodward, June 1, 2004.

Representative to University Faculty Council, 1998-2000

4.2 College Committees

SACS Self-Study Roundtable, February 12, 2002

Graduate Faculty Representative, PhD Dissertation in Mechanical Engineering, January 2002.

Provost's *Ad Hoc* Committee to Evaluate Role of the Office of Statistics and Applied Mathematics in the Public Policy Ph.D. Program at UNC-Charlotte, 2000.

Representative to Arts and Science Faculty Council, (Alternate), 1998-2000.

4.3 Department Committees

Master's Program Coordinator, 2007-present

Reappointment, Promotion and Tenure Committee, 2002-2004; 2006-2008

Geography PhD Advisory Committee, 2006-present

Graduate Committee, 2001-2002; 2004-present

Curriculum Committee, Chair 2001-2002

Budget and Equipment Committee, Chair 2000-2001

Budget and Equipment Committee 1999-2000

Ad Hoc Workload Policy Committee, 2006

Ad Hoc Committee to Examine Departmental Procedures, Fall 2001

Department Liaison to Public Policy PhD Program, 2006-present

Public Policy Field Exam Committee, 2003-present

Public Policy Comprehensive Exam Committee, 2005-present

PhD Public Policy Advisory committee, 2003-present

PhD Public Policy Urban Regional Specialty Group, 2003-present

Chair, Committee for Urban and Regional Environment Speciality in Public Policy PhD Program, 2001-2002

4.4 Community Service

Charlotte Leading and Coincident Indicators Project: Monthly series and analysis tracking the current and near-term (six- to nine-month ahead) economic health of the Charlotte-Mecklenburg regional economy. Monthly release available at <http://www.charlottechamber.com/>

October: Year To End On High Note, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, December 23, 2006.

September: Gently Slowing? Well, Maybe, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, November 18, 2006.

July: Slowdown Not Imminent, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, September 22, 2006.

June: Lazy Summer, Brisk Fall? Monthly release of Charlotte Business Growth Index available at charlottechamber.com, August 23, 2006.

May: Soft Spot Is No Bump, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, July 20, 2006.

April: Slowing Down? Not This Economy, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, June 20, 2006.

February: Warming Up, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, May 1, 2006.

January: Year Starts With A Bang! Monthly release of Charlotte Business Growth Index available at charlottechamber.com, March 27, 2006.

December: Slow Month, Good Year, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, February 27, 2006.

November: Strong Expansion, Mixed Signals, Monthly release of Charlotte Business Growth Index

available at charlottechamber.com, January 15, 2006.

October: Charlotte Economy Stronger Than Katrina, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, December 30, 2005.

September: Economy Holds On, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, December 3, 2005.

August: Fears of Inflation Cloud Expanding Economy, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, October 22, 2005.

July: Economy Expands, Leading Index Falls, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, October 2, 2005.

June: Hotter Than You Think, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, September 4, 2005.

May: Leading Index Slips, Jobs Expand, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, July 23, 2005.

March: Leading Gains, Outlook Positive, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, May 25, 2005.

February: Don't Worry, Be Happy, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, April 28, 2005.

January: New Year Kick Start, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, March, 2005.

December: Jobs, Jobs, Jobs, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, February 27, 2005.

Charlotte's Near-Term Outlook, Presentation at the REBIC Annual Forum, Charlotte, NC, January, 17, 2006.

November: Strong Expansion, Mixed Signals, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, January 14, 2005.

October: Charlotte Economy Stronger Than Katrina, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, December 24, 2005.

September: Economy Holds Its Own, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, November 15, 2005.

August: Fears of Inflation Cloud Expanding Economy, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, October 22, 2005.

July: Economy Expands, Leading Index Falls, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, September 29, 2005.

June: Hotter Than You Think, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, August 25, 2005.

May: Leading Index Slips, Jobs Expand, Monthly release of Charlotte Business Growth Index available at charlottechamber.com, July 23, 2005.

April: Economy Continues to Roll, Monthly release of Charlotte Business Growth Index available at charlottechamber.com. June 26, 2005.

March: Leading Index Gains, Outlook Positive, Monthly release of Charlotte Business Growth Index available at charlottechamber.com. May 25, 2005.

February: Don=t Worry, Be Happy, Monthly release of Charlotte Business Growth Index available at charlottechamber.com. April 28, 2005.

January: New Year Kick Start, Monthly release of Charlotte Business Growth Index available at charlottechamber.com. March 30, 2005

December: Slow Month, Good Year, Monthly release of index available at charlottechamber.com, February 17, 2004.

November: Economy Keeps Adding Jobs, Monthly release of index available at charlottechamber.com, January 14, 2004.

October: Economy Boasts 13,500 New Jobs, Monthly release of index available at charlottechamber.com, December 24, 2004.

September: Slowing Down, Monthly release of index available at charlottechamber.com, November 15, 2004.

August: Economy Warm, Leading Index Cool, Monthly release of index available at charlottechamber.com, October 27, 2004.

July: Signs of Life, Monthly release of index available at charlottechamber.com, September 16, 2004.

June: Economy Slows, Monthly release of index available at <http://www.charlottechamber.com>, August 25, 2004.

May: Another Solid Performance, Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>., August 2, 2004.

April: Economy Heats Up, Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>. July 6, 2004.

March: Leading Index Posts Largest Gain in 5 Years!, Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>. May 23, 2004.

February: Indices Up as Economy Gains, Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>. April 29, 2004.

January: Economy Expands Right on Schedule, Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>. March 24, 2004

December: Slowly Nudging Forward, Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>. March 7, 2004.

November: Leading Index Falls as Economy Holds On. Monthly release of the Charlotte Leading and Coincident Index available at <http://www.charlottechamber.com>. January 26, 2004.

October: Leading Index Stalls, Outlook Remains Positive, Monthly release of index available at <http://www.charlottechamber.com>. December 16, 2003.

July: On Track to Create 14,000 Jobs, Monthly release of index available at <http://www.charlottechamber.com>. November 5, 2003.

June: Four In A Row For Leading Index, Monthly release of index available at <http://www.charlottechamber.com>. August 31, 2003

May: Economy Expands Amid Mixed Signals, Monthly release of index available at [charlottechamber.com](http://www.charlottechamber.com). June 23, 2003.

April: Skies Are Clearing, Monthly release of index available at <http://www.charlottechamber.com>. June 18, 2003.

March: Signs of Rebound, Monthly release of index available at <http://www.charlottechamber.com>. May 5, 2003.

January: Housing Up, Leading Index Jumps, Monthly release of index available at <http://www.charlottechamber.com>. April 4, 2003

"Using Indices to Track the Local Economy" Presentation to the Stanly County Managers Association, Albemarle, NC, January 8, 2003.

Outlook 2002: Look Forward to Summer, Presentation of the Economic Development Council, Charlotte Chamber of Commerce, March 8, 2002.

Tracking Educational Attainment and Workforce Readiness with MIRL, the Mecklenburg Index of Literacy and Readiness, Presentation to What's Working, Charlotte Reads, Charlotte Chamber of Commerce, February 7, 2002.

The Business Growth Index: An Economic Barometer for the Local Economy, Presentation given to First Commerce Bank Shareholders, April 24, 2001.

Outlook 2001: Forecast of the Charlotte-Mecklenburg Economy, Presentation to the Economic Development Council, Charlotte Chamber of Commerce, March 14, 2001.

November: Economy Unchanged, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, January 11, 2003.

October: The Worst Is Behind Us, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, December 15, 2002.

August: Slow Growth Trajectory, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, October 15, 2002.

July: Running Out of Gas?, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, September 23, 2002.

June: Slowly Recovering, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, Aug 23, 2002.

May: Upward Trend Continues, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, July 17, 2002.

April: Leading Index Posts Biggest Gain in Two Years, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, June 25, 2002.

March: The End Is Near!, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, May 17, 2002.

February: The First Real Sign, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, April 22, 2002.

January: Good News, Bad News, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, March 21, 2002.

December: Brighter Times Will Require Patience, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, February 28, 2002.

November: Not out of the Woods, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, January 31, 2002.

October: Some Promising Signs, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, December 21, 2001.

September: Holding On, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, December 1, 2001.

August: Uncertainty Mounts, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, October 24, 2001.

July: The Tipping Point?, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, September 21, 2001.

June: Déjà vu All Over Again, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, August 25, 2001.

May: Leading Index Heads South, Monthly release of the Charlotte Leading and Coincident Index,

available at <http://www.charlottechamber.org>, July 25, 2001.

Foreign-Owned Firms in the U.S. Economy, Presentation given to SAI Abrasives, Inc. and the Swiss-American Chamber, Charlotte, NC, June 28, 2001.

April: Leading Index Stalls, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, June 22, 2001.

March: Slowdown Will Be Brief, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, May 29, 2001.

February: Leading Index Climbs for Second Month, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, April 24, 2001.

The Business Growth Index: An Economic Barometer for the Local Economy, Presentation given to First Commerce Bank Shareholders, April 24, 2001.

Outlook 2001: Forecast of the Charlotte-Mecklenburg Economy, Presentation to the Economic Development Council, Charlotte Chamber of Commerce, March 14, 2001.

January: The Ninth Month is a Charm? Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, March 16, 2001.

December: Year Ends Up 17,000 Jobs, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, February 26, 2001.

November: Growth Continues... But For How Long?, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, February 2, 2001.

Economic Health of Mecklenburg County, Presentation to the Mecklenburg Office of County Commissioners, January 9, 2001.

Near Term Outlook for Mecklenburg County, Presentation to the Mecklenburg County Executive Conference, December 11, 2000.

October: Economy Up, Leading Index Down, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, December 28, 2000.

September: Looking To A Happy Holiday Season, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, November 29, 2000.

August: Summer Doldrums, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, October 27, 2000.

July: Lazy Summer Will Give Way to Active Fall? Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, September 23, 2000.

June: Economy Cooling?, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, August 23, 2000.

May: Leading Index Slips 0.3 Percent, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, July 17, 2000.

April: Indices Up, Outlook Bright, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, June 9, 2000.

Charlotte Leading and Coincident Indicators: An Economic Barometer,@ Presentation to the Charlotte Area Research Professionals (CARP), Charlotte Chamber of Commerce, April 26, 2000.

March: In Like A Lion, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, May 24, 2000.

February: All Systems Go, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, April 22, 2000.

January: Year Starts With A Bang, Monthly release of the Charlotte Leading and Coincident Index, available at <http://www.charlottechamber.org>, March 24, 2000.

Outlook 2000: Forecast of the Charlotte-Mecklenburg Economy,@ Presentation to the Economic Development Council, Charlotte Chamber of Commerce, May 7, 2000.

December: Year Ends Strong, Outlook Good, Release of the Charlotte Index, Available at www.charlottechamber.org, February 21, 2000.

November: Growth Takes A Holiday, Release of the Charlotte Index, Available at www.charlottechamber.org, January 19, 2000.

September: Economy On Steady Course, Release of the Charlotte Index, Available at www.charlottechamber.org, December 6, 1999.

August: Leading Index Slips, Release of Charlotte Index, Available at www.charlottechamber.org, October 29, 1999.

July: Leading Index Up As Economy Expands, Release of Charlotte Index, Available at www.charlottechamber.org, September 20, 1999.

June: Economy Heats Up, Leading Index Takes a Dip, Release of Charlotte Index, Available at www.charlottechamber.org, August 21, 1999.

May: Economy Expands, Leading Index Dips, Release of Charlotte Index, Available at www.charlottechamber.org, July 22, 1999.

April: Indices Continue to Gain, Release of Charlotte Index, Available at www.charlottechamber.org, June 17, 1999.

March: Leading and Coincident Indicators Up, Release of Charlotte Index, Available at www.charlottechamber.org, May 21, 1999.

February: Leading and Coincident Indicators Up, Release of Charlotte Index, Available at www.charlottechamber.org, April 28, 1999.

January: Off to a Good Start, Release of Charlotte Index, Available at www.charlottechamber.org, March 17, 1999.

December: Year Ends on a Positive Note, Release of Charlotte Index, Available at www.charlottechamber.org, February 5, 1999.

November Outlook for the Charlotte-Mecklenburg Economy,@ Presentation to the Piedmont Club, January 11, 1999.

Tracking the Local Economy with Leading and Coincident Indicators,@ Presentation to the Economic Development Council, Charlotte Chamber of Commerce, Charlotte, NC, October 15, 1998.

Member: Community-Building Initiative, Charlotte, NC, May 1998-January 1999.

Critical Issues from the Charlotte Regional Benchmarking Survey,@ Panel discussant for the University conference, *Shaping a Regional Vision*, University of North Carolina at Charlotte, October 13, 1997.

Using Cost-Benefit Analysis to Evaluate Capital Improvements,@ Presentation for the Budget Committee, Charlotte City Council, February, 1997.

Governance Options in Reston and Their Fiscal Implications,@ Report prepared for the Economic Analysis Committee, *Reston 2000*, Reston, VA., May, 1995.

ΔHigher Education and the Economic Base of Virginia,@ Presentation to the Northern Virginia Business Roundtable, George Mason University, March, 1995.

Education in Northern Virginia,@ Prepared for the Northern Virginia Business Roundtable, George Mason University, September, 1994.

Structure and Vulnerability of the National Capital Region,@ Presentation to the Northern Virginia Business Roundtable, George Mason University, March, 1994.

Detailed Employment, Structure and Change: Commonwealth of Virginia,@ Report prepared for *Opportunity Virginia*, Secretary of Economic Development, Commonwealth of Virginia, September, 1994 (With R. Stough and R. Kulkarni)

Simulation Modeling as a Decision Aid," Presentation to the Fairfax County Economic Development Administration," Fairfax, VA, May, 1995.

Scenario-Building and Alternative Economic Futures, Presentation to the Engineering and Surveyors Institute, Fairfax, VA, April, 1995.

Investing in Higher Education: A Cost-Benefit Analysis, Presentation to the Virginia Council on Higher Education, Richmond, VA, February, 1995.

Forecasting the Northern Virginia Economy, Presentation to the Federal Home Mortgage Corporation, Vienna, VA, August, 1994.

Outlook for the Northern Virginia Economy, Presentation to the Professional Group, Inc., Fairfax, VA,

May, 1994.

Recent Trends in County Government Finance, Presentation to the Urban Counties Council of Illinois, Peoria, IL. February, 1989.

Using Comparative Fiscal Analysis for Local Policy Evaluation, Presentation to the Urban Counties Council of Illinois, Springfield, IL. July, 1988.

Comparative Fiscal Analysis for Illinois County Governments, Presentation to the Illinois Association of County Government Officials, Springfield, IL. April, 1988.

4.5 Services Rendered to Media

\$8.4 Billion Cash Cow,@ *Charlotte Observer*, Thursday April 13, 2006.

Can Fiscal Impact Bring New Resources?@ *Charlotte Observer*, Friday April 14, 2006.

Dell=s Deal with NC Draws Flak,@ *Raleigh News & Observer*, December 5, 2004.

USAir Impact on Charlotte,@ *Charlotte Business Journal*, January 27, 2004.

"Knights Begin 2003 with Eyes on Staying Put in 2004," *Rock Hill Herald*, April 5, 2003
"Wallets May Open Wider," *Charlotte Observer*, April 27, 2003

Airport Holds Steady as Airline Struggles,@ *Charlotte Observer*, August 8, 2002, p. E1.

Carolina Cashed In on the 1990s,@ *Charlotte Observer*, May 28, 2002, p. A1.

UNCC: New Stadium Would Lure Knights Fans, *Charlotte Business Journal*, March 6, 2002.

Factory Jobs Rise in NC in March, *The Charlotte Observer*, April 20, 2002, p. 1A.

Interview with WBTB, Comments on the recession in Charlotte, NC, March 8, 2002.

Not >Business As Usual *Charlotte Ventures*, Charlotte Chamber of Commerce, First Quarter, 2002.

Business' Crystal Ball, Feature story in *Charlotte Ventures*, Charlotte: Charlotte Chamber of Commerce, January/February, 2001.

Slight Slowdown Expected, *Charlotte Business Journal*, October 20,2000

Interview with WBT Radio News: Charlotte Economic Outlook, October 16, 2000.

Wacky Stunts Pull Fans into the Stands,@ *The Charlotte Observer*, July 5, 2000.

Charlotte Economy Still Strong,@ *Charlotte Observer*, June 10, 2000.

Outlook Rosey for Charlotte, Report Shows,@ *Charlotte Observer*, April 26, 2000

Growth Index up 1.1 Points in December,@ *Charlotte Observer*, February 22, 2000.

NC Job Growth Ranks Among Top for Decade,@ *The Business Journal*, February 18, 2000.

Charlotte-Mecklenburg Economy Mostly Unchanged,@ *Charlotte Observer*, December 7, 1999.

Charlotte=s Outlook Still Shows Growth,@ *Charlotte Observer*, November 6, 1999.

Gauging Growth Gets Trickier for Local Economies,@ *Charlotte Observer*, September 27, 1999.

The Charlotte Leading and Coincident Indicators,@ Radio interview for the Danny Fontana Show, WBT Radio, Charlotte, NC, February 23, 1999.

Growth will slow in >99,@ *Charlotte Business Journal*, January 4, 1999.

New Economic Indices Focus on Charlotte Region,@ *The Leader*, October 23, 1998.

UNCC Reports: Economy Cooling,@ *Charlotte Business Journal*, October 19, 1998.

UNC Charlotte Students Analyze Charlotte As A Market For Major League Baseball,@ UNC Charlotte press release, May 29, 1998.

Handling Growth Not Hard; Facing Reality Is, Experts Say,@ *The Charlotte Observer*, October 14, 1997.

More Local Economic Diversity Is Urged,@ *The Washington Times*, April 24, 1996.

Where the Jobs Are,@ *Washingtonian*, March, 1996.

Interview with Fox Morning News: Technology Firms and Job Growth, February 29, 1996.

Working Teens Start Ahead, Stay Ahead,@ *The Alexandria Journal*, August 25, 1995.

Chip off the Block: Big Money Seen from New Plant,@ *Fairfax Journal*, August 22, 1995.

Sayonara 703 - Say Hello to 540,@ *Roanoke Times & World News*, July 15, 1995.

Fiscal and Economic Impact Analysis of George Mason University,@ *Council Notes*, State Council of Higher Education for Virginia, March, 1995.

GMU is Good Investment: Study Shows Virginia is Getting its Money's Worth,@ *Broadside*, March 6, 1995.

Funding George Mason Makes (Economic) Sense,@ *Mason Gazette*, Vol. 11, No. 6, February 17, 1995.

Interview with WTOP Radio: Costs and Benefits of Higher Education Investment, January 5, 1995.

GMU: Funding Us Will Pay Off,@ *Fairfax Journal*, *The Ledger Star*, *The News Virginian*, *The Arlington Journal*, *The Alexandria Journal*, *Roanoke Times & World News*, *Potomac News*, *Northern Virginia*

Daily, The Free Lance-Star, The News & Advance, The Virginian-Pilot, Daily Press, Journal-Messenger, The Winchester Star, Daily News Record, January 4, 1995

ValuJet Adds Up to Major Boost for Dulles,@ *Washington Business Journal*, December 9-15, 1994.

The Fairfax Formula,@ *Virginia Business Magazine*, September, 1994.

Forecasting Northern Virginia's Future Made Easier by Regional Econometric Model,@ *Mason Gazette*, September 29, 1994.

Defining the Netplex,@ *Technology*, July 14, 1994.

Education and Our Economic Future,@ *Chicago Tribune*, July 14, 1994. (With G.J.D. Hewings)

Economists Question Disney Job Need,@ *Fairfax Journal, Arlington Journal, Alexandria Journal*, June 14, 1994.

Interview with WTOP Radio: The Economic Impact of Disney's America, June 8, 1994.

New Study Predicts 12,000 Jobs,@ *Fairfax Journal, The Free Lance-Star, Martinsville Bulletin, Northern Virginia Daily, Winchester Star, Potomac News, Arlington Journal*, June 7, 1994.

Northern Virginia High-Tech Future Bright,@ *Fairfax Journal, Alexandria Journal*, June 6, 1994.

Symposium Leaves Disney's America Questions Unanswered,@ *The Washington Times*, May 25, 1994.

The Wisdom Behind Economic Incentives,@ *St. Louis Post-Dispatch*, December 22, 1991. (With J.B. Carihfield)

4.6 Professional Service

Charlotte's Near-Term Outlook@, Presentation to the Centralina Economic Development Commission, May 18, 2006.

Thinking About Educational Programs: The North Carolina Center for Engineering Technology,@ Presentation prepared for Vice Chancellor Lorden and Metropolitan Studies and Extended Academic Programs, Presented to the Hickory Higher Education Center, April 19, 2006.

The Economic Impact of the University City Area, Presentation to the Charlotte Chamber of Commerce,@ April 13, 2006.

Charlotte's Economic Outlook 2006,@ Presentation to the Urban Land Institute, March 16, 2006.

Judge, 2005 ACCRA Applied Community and Economic Research Awards, May 2005.

Chair, Research Department, Charlotte Chamber of Commerce, 2003-2007.

Session Chair: Meeting the Association of American Geographers, New York, NY, February 27-March 3, 2001.

Paper Discussant: Meetings of the Southeastern Division of the Association of American Geographers, Chapel Hill, NC, November 19-21, 2000.

Session Organizer: Local Economic Development: Issues and Initiatives. Applied Geography Conference, Charlotte, NC, October 16-18, 1999.

Session Organizer: Sport and the City. Applied Geography Conference, Charlotte, NC, October 16-18, 1999.

Session Chair: Meeting the Association of American Geographers, Boston, MA, April, 1998.

Paper Discussant: Meetings of the Western Regional Science Association, San Diego, CA, February, 1995.

Paper Discussant: Meetings of the North American Regional Science Association, Niagara Falls, Ontario, November, 1994.

4.7 Gratis Consulting Activities

Economic Impact of the Mecklenburg School Bond Referendum, @ Gratis consultation for the Charlotte Chamber of Commerce, August 19, 2005.

Bay Leaf Farm Development Company, Raleigh, NC: Estimated employment and wage impacts for new hotel and mixed-use development in Raleigh, NC, January, 2002.

Bay Leaf Farm Development Company, Raleigh, NC: Estimated wage impacts for new mixed-use development in Raleigh, NC, August 3, 2000.

I.C.F. Kaiser: Provided data and assistance for input-output analysis to for economic development plan for City of Charlotte, NC., October 1998.

Department of Agricultural and Applied Economic, University of Wisconsin, Provided technical assistance in construction of conjoined econometric-input-output model to Dr. Steven Deller, October, 1997.

Department of Political Science, Winthrop University, Provided assistance and manuscript review to Dr. Steve Smith, for his research on racial earnings gap in Charlotte, NC, September, 1997.

The Institute of Public Policy, George Mason University, Provided technical assistance and economic multipliers for economic impact study in Washington, DC for, November, 1996.

5. HONORS AND AWARDS

ACCRA Highest Honor Award for Excellence in Data Collection and Dissemination, award recognizing the Charlotte Business Growth Index, June 2002.

6. PROFESSIONAL AFFILIATIONS

Association of American Geographers
American Economic Association
Regional Science Association International
Southern Regional Science Association
Southeastern Division of the Association of American Geographers
Western Regional Science Association

7. REFEREES

Dr. Geoffrey J.D. Hewings
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Regional Economics Applications Laboratory
University of Illinois
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E-Mail: jwh@u.washington.edu

Dr. John B. Crihfield
Government Finance Group
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Department of Geography and Earth Sciences
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Education

University of Louisville, Louisville, KY.

PhD: Urban & Public Affairs (1999). Concentration in Urban Economic Development.

MPA: (1991). Specialization in Community Development.

Centre College, Danville, KY.

BA: Economics (1987).

Academic Teaching Experience

University of North Carolina Charlotte (8/2002 – present). Assistant Professor, Department of Geography and Earth Sciences. Teach courses in Environmental Planning & Policy, Community Planning, Housing Policy, Planning Theory, and Land Use Planning.

Jackson State University, Jackson, Mississippi (8/2000 – 5/2002). Assistant Professor, Department of Urban and Regional Planning. Taught graduate courses in Environmental Planning, Research Methods, Housing Policy, Environmental Impact Analysis, and Brownfields Redevelopment.

Research Interests and Experience on Funded Projects

- Principal Investigator for EPA cooperative agreement titled *Verifying the Social, Environmental, and Economic Promise of Brownfield Programs* (\$200,000). This is a two-year grant that started in October of 2005.
- With David Walters, received \$10,000 grant for Community Planning Workshop class to develop a community vision plan for Mineral Springs, NC (completed April 2006).
- Recipient of TIAA-CREF Biggs Fellowship to study *Aging in Place* (May 2005, \$7,000).
- Working with UNC Charlotte Urban Institute on Rowan County Strategic Plan Update. Completing economic, agricultural and tourism analyses. Managing Community Planning Studio to develop alternative design scenarios for North, South, East, and West sub-areas of the county (2004-05).
- Prepared report for the Environmental Protection Agency (Region 4) titled *Best Practices in Greyfield Redevelopment* 2004).
- Received Summer grant from UNCC to study residential choices of middle- and upper-income African Americans (Summer 2003).
- Acquired funding from the Mississippi Urban Research Council to study the allocation of credit in Jackson's low-to-moderate income neighborhoods (Summer 2001).
- Managed and directed grant for the Kentucky Department of Natural Resources analyzing procurement regulations and recycled products (Spring 1998).
- Researched and co-authored *Feasibility Study of Environmental Insurance for Urban Redevelopment* for US HUD Office of Policy Development and Research (1998).
- Researched and co-authored *Army Recruitment Strategies: Choice-based Conjoint Analysis* for the US Army Recruiting Command (1998).
- Conducted primary research on *The Impact of Environmental Hazards and Regulation on Urban Redevelopment*, jointly funded by US HUD and EPA, with The Urban Institute and others (1996).

Publications

- Chilton, K.M. and David Walters, 2005. Community Planning Workshop, in *Teaching Smart Growth at Colleges and Universities: A set of model course prospectuses*. US Environmental Protection Agency, Division of Smart Growth. Available at: <http://www.epa.gov/smartgrowth/courses/>
- Chilton, K.M. 2004. Greyfields Redevelopment: Best Practices in the Field. Prepared for The Environmental Planning Agency, Region 4. Available at: cepm.louisville.edu/Pubs_WPapers/practiceguides/PG6.pdf
- Chilton, K.M. 2003. Chapter 2, "Ohio's Growth in Context", in *The Impact of Highways and Other Major Road Improvements on Urban Growth in Ohio*. The Buckeye Institute: pp. 4-9. (Not Refereed).
- Chilton, K.M. 2003. Chapter 2, "State and County Growth Trends", in *Highways and Sprawl in North Carolina*. The John Locke Institute. (Not Refereed).
- Chilton, K.M., and M. Dalbey. 2002. The State of the Jackson Metro Area: A Regional Planning Perspective. *Mississippi Economic Review and Outlook*, vol. 16, no. 2: pp. 22-35.
- Chilton, K.M. 2001. "Community Reinvestment in Jackson: Analysis of Lending Programs from 1997-2000." *The Urban Researcher*.
- Chilton, K.M. 1999. *Brownfield Redevelopment Processes and Economic Development: A Multiple-Case Study Analysis*. Dissertation completed to satisfy the requirements of the PhD program in Urban and Public Affairs, University of Louisville.
- Meyer, P.B., and K.M. Chilton. 1998. *Environmental Insurance for Urban Redevelopment: A Feasibility Study*. Washington, DC: U.S. Department of Housing and Urban Development, Office of Policy Development and Research. Available at: <http://www.huduser.org/publications/econdev/envins.html>
- Chilton, K.M. 1998. *Kentucky Buys Recycled: An Implementation Manual for a Buy Recycled Program*. Manual prepared for Kentucky Natural Resources and Environmental Protection Cabinet. Louisville, KY: Center for Environmental Management, Univ of Louisville.
- Chilton, K.M. 1998. "The Myth of the 'Environmental Problem': Cleanup Costs and Brownfield Redevelopment." *Public Works Management & Policy*, vol. 3, no. 8: 220-230.
- Chilton, K.M. 1997. "The Role of Economic Development Agencies in Brownfield Redevelopment: A Comparison of Pennsylvania and Oregon." In P.B. Meyer and T.S. Lyons (eds.), *Communities and Their Physical Environments—Proceedings of the Twelfth Conference on the Community and Regional Community*. Stevens Point, WI: OW Foundation Press.
- Meyer, P.B., and K.M. Chilton, 1994. "Can Economics Provide an Ethically-Sensitive Framework for Environmental Choices? The Prospects for Transcending the Limitations of Cost-Benefit Analysis. Pp. 189-205 in D.A. Brown (ed.), *Proceedings of the Interdisciplinary Conference on the Ethical Dimensions of the United Nations Program on Environment and Development, Agenda 21*. Camp Hill, PA: Earth Ethics Research Group, Inc.

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I. EDUCATION

- **Ph.D. in Geography**, The University of Georgia at Athens, 2000
Dissertation title: *Bridging the Gap Between Invention and Production: Market-Based Measures of Innovation.*

Awards

- University of Georgia, **Outstanding Teaching Assistant Award**
 - **Eisenhower Research Fellow**, Department of Environment and Planning, Federal Highway Administration, Washington, DC
 - AM/FM International **Scholarship for GIS Studies**
- **M.A. in Geography**, The University of Georgia at Athens, 1994
Thesis title: *Determining Inland Load-Center Location Using Spatial Interaction Modeling Techniques: A Case Study of the United States Rail Network.*
 - **B.A. in Geography**, The University of North Carolina at Chapel Hill, 1990
 - **B.A. in Physics**, The University of North Carolina at Chapel Hill, 1990

II. PROFESSIONAL EXPERIENCE

- **Associate Professor of Geography**, Department of Geography and Earth Sciences, The University of North Carolina at Charlotte (Summer 2007 – Present)
 - **Editorial Board Member**, *The Southeastern Geographer* (2004-Present)
 - **Faculty Associate**, Center for Applied Geographic Information Science. The University of North Carolina at Charlotte (2005- Present)
 - **Co-Editor**, *The Industrial Geographer* (2006-Present)

Awards

- **Distinguished Teaching Award**, National Council for Geographic Education, June 2007
- **Assistant Professor of Geography**, Department of Geography and Earth Sciences, The University of North Carolina at Charlotte (Summer 2001 – Summer 2007)
Awards
 - **GlaxoSmithKline Faculty Fellow**, NC State University Institute for Emerging Issues, July 2005
 - **John H. Biggs Faculty Fellow**, The University of North Carolina at Charlotte, May 2004
 - **Lecturer of Geography**, Department of Geography and Earth Sciences, The University of North Carolina at Charlotte (Fall 2000 - Spring 2001)
 - **Instructor of Geography**, Department of History and Geography, Georgia College and State University (Spring 2000)

- **Instructor of Geography**, Department of Geography, The University of Georgia (Fall 1996 - Spring 2000)
- **Eisenhower Research Fellow**, Department of Environment and Planning, Federal Highway Administration, Washington, DC (Summer 1995- Summer 1996)

II.A. TEACHING RESPONSIBILITIES

Courses Taught at the University of North Carolina at Charlotte

Undergraduate level

- GEOG 1105: The Location of Human Activity
- GEOG 2125: Business Applications of GIS
- GEOG 2140: The Geography of North Carolina
- GEOG 3100: The City and Its Region
- GEOG 4240: The Geography of Knowledge and Information (cross-listed with GEOG 5240)

Masters level

- GEOG 5240: The Geography of Knowledge and Information (cross-listed with GEOG 4240)
- GEOG 6000: The Geography of Economic Transformation in North Carolina
- GEOG 6102: Site Feasibility Analysis (cross-listed with MBAD 6258)

UNC Charlotte, Belk College of Business (graduate):

- MBAD 6258: Site Feasibility Analysis (cross-listed with GEOG 6102)

UNC Charlotte, Continuing Education:

- Retail Location Analysis using GIS

UNC Charlotte Independent Study

- GEOG 4800: Undergraduate Independent Research in Geography
 - “Amenity Driven Growth in the Rocky Mountain Region” Matt Mowell, Spring 2002
 - “The Future Geography of The Banking Industry” James Bullock, Summer 2003
 - “GPS Survey and Mapping of Umstead Park, NC.” Amy Davis, (Spring and Summer 2002) (In conjunction with Walter Martin)
- GEOG 6800: Masters Independent Research in Geography
 - “Evaluation of Commercial Real Estate Feasibility” John Crouse, Summer 2002
 - “Recent Changes in Command Status in Winston-Salem NC” Chris Jeltrup, Spring 2003
 - “Feasibility Analysis of Multi-Family Housing Project Adjacent to South Blvd. Light Rail Route” Eric Parker, Spring 2004
 - “The Metropolitan Geography of Intangible Assets” Jason Jurjevich, Spring 2004
 - “Closed Store Analysis for Family Dollar Stores” Dustin Stancil, Spring 2004
 - “The Future of Regional Banking: An Information Availability Approach” Stuart Hair, Fall 2005
 - “Site Feasibility Analysis” Chad Lloyd, Summer 2006

Undergraduate Honors Thesis Committee Membership

- **Vanessa Maizy**, (2003) “Financing Smart Growth in the Charlotte Region.” (Belk College of Business)

Master’s Thesis Supervision

- **Susan Anderson** , (Pending) “Preservation of the Middle-Class: The Case of Scranton, PA.” (defense scheduled for November 2007)
- **Jonathan Kozar** (2007) “Regional Employment Change 1993-2003: Revisiting the Deindustrialization Paradigm.”
- **Luke Fawcett** (2007) “Measuring the Significance of Rural-non-farm Residential Land Use.”
- **Chad Lloyd** (2007) “Hedonic modeling of real estate price change in Buncombe County NC.”
- **Teresa Troutner**, (2007) “Family Dollar Consumer Expenditure Clustering.”
- **Andrew Goodall**, (2007) “From Soot to Semiconductors: The Retooling of America”
- **Kenneth McWilliams** (2007) “Geographic Concentration in North Carolina’s Manufacturing Industries: A Spatial Econometric Perspective of Industrial Growth and the Role of Railway Development 1880-1930.”
- **Christopher Woodey** (2006) “Evaluating the Intangible Economic Impact of Johnson and Wales University on Charlotte.”
- **Travis Haney** (2006) “Behavior Geography of Shopping Complexes.”
- **Stuart Hair** (2006) “Beyond Bank Assets: Charlotte as a Financial Center in the New Millennium.”
- **Eric Parker** (2005) “Factors Affecting German Firm Location in the Charlotte MSA.”
- **Jason Jurjevich** (2005) “Beyond Mountains and the Coast: A Regional Analysis of Natural Amenities as a Determinant of Population Change in the Upper Midwest.”
- **Dallas Bishop** (2004) “Tourism-driven Economic Development: A Case Study of Michigan.”
- **Scott Weston** (2002) “Trade Area Demographics and Soft-line Sales at Family Dollar.”
- **Ben Thornton** (2002) “The ‘Border Tax’ Effect and Retail Shopping Patterns.”

Master’s Thesis Committee Membership

- **Jennifer Shelden** (Pending) “Charting the History of Charlotte’s Housing in the Fourth Ward Neighborhood.”
- **Emily Livingstone** (Pending) “A Case Study of Super-Gentrification in Charlotte NC.”
- **Alexis Baker** (2007) “Los Sin Rostro: The Zapatista Borderless Revolution.”
- **Thomas Gurney** (2006) “Spatial Variation in Frozen Food Sales at Family Dollar.”
- **Todd McAllufe** (2006) “Indirect and Cumulative Impacts of Transportation Projects in North Carolina Including a Case Study.”
- **Charlynn Burd** (2005) “Small Towns: A New Theater for Gentrification.”
- **Dustin Stancil** (2005) “Prioritization of Market Areas for the Implementation of the EBT System in Family Dollar Stores.”
- **Stacey Brown** (2004) “Geographic Variation in Accessibility to Grocery Store Shopping Opportunity in Mecklenburg County, NC.”
- **Scott Whitlock** (2004) “My Church Will Never be the Same: Heteronormative Structure and the Ownership of Space in the Episcopal Church.”
- **Angela Crawford** (2003) “E-Government: A Plan for Local Government.”
- **John Crouse** (2003) “Impact of Fred’s Stores on Family Dollar Sales.”
- **John Gargiula** (2002) “Fortune 500 Headquarters Location.”
- **Kevin White** (2002) “Impact of Shopping Center Characteristics on Occupancy Rates.”
- **Kyle Stewart** (2002) “The Impact of Wal-Mart Supercenters on SUPERVALU Grocery Retailers.”
- **Jerod Dinkin** (2002) “Variation in Retailing Performance Among Major U.S Airports.”
- **Jeff Nickel** (2002) “Patterns and Correlates of Retail Sales in North Carolina Counties, 1977-1997.”

- **Timothy Lawrence** (2001) “An Analysis of Trade Areas, Distance Decay and Market Penetration for Family Dollar Stores Using Customer Spotting Data.”
- **Michael Spriggs** (2001) “Kmart Sales Forecasting for Nonmetropolitan Urbanized Counties.”

Doctorial Dissertation Supervision

- **Jonathan Kozar** (Pending) Topic under development. Department of Geography and Earth Sciences.

Doctorial Dissertation Committee Membership

- **Dustin Read** (Pending) “Alternative Methods of Public Finance.” Interdisciplinary Public Policy Program.
- **Xianwu Ling** (2002) “Finite Element Methods for Heat Conduction Problems.” Department of Mechanical Engineering

III. PUBLICATIONS

Books

- William Graves and Heather Smith eds. (under contract) *Charlotte’s Global City Evolution*. University of Georgia Press. Expected publication Winter 2008.

Chapters in Books

- William Graves, (2006) “Discounting Northern Capital: Financing the World’s Largest Retailer from the Periphery.” In **Wal*Mart World: The World’s Biggest Corporation in the Global Economy**, edited by Stanley D. Brunn. New York: Routledge. 47-54.

Refereed Journal Articles

- William Graves, Victoria Berry and James O. Wheeler, (2007) “Local and Global Forces in the Locational Dynamics of Georgia’s Granite Industry.” *Southeastern Geographer*. 47(2) 283-297.
- William Graves and Christopher Woodey. (2006). “Risk, Finance and North Carolina’s Post-Industrial Future.” *Southeastern Geographer*. Vol. 46 (2):245-258.
- Heather Smith and William Graves, (2005) “Gentrification as Corporate Growth Strategy: The Strange Case of Charlotte, North Carolina and the Bank of America.” *Journal of Urban Affairs*. Vol. 27(4): 403-418.
- Heather A. Smith and William Graves, (2003) “‘Great Banks Need Great Cities.’ The Corporate (Re) Construction of a New South City.” *Southeastern Geographer*, Vol. 43(2): 213-234.
- William Graves, (2003) “Financing Flexibility in a Global Market: The Metropolitan Distribution of Equity Investment.” *Urban Geography*, 24(7): 611-635.
- William Graves, (2002) “Corporate Command Status in the Nonmetropolitan South, 1990-2001.” *Southeastern Geographer*, Vol. 42 (2): 302-310.
- William Graves and Harrison Campbell, (2001) “Paying for the New Economy: The Geography of Equity Finance in North Carolina.” *The North Carolina Geographer*, Vol. 9: 24-41.

- William Graves, (2001) “Charlotte’s Role as a Financial Center: Looking Beyond Bank Assets.” *Southeastern Geographer*, Vol. 41 (2): 230-245.
- William Graves, (1998) “The Geography of Mutual Fund Assets.” *The Professional Geographer*, Vol. 50 (2): 243-255.
- William Graves, (1996) “The Intra-Urban Distribution of Corporate Activities: A Case Study of Atlanta.” *Southeastern Geographer*, Vol. 36 (1): 70-81.

Working Papers

- William Graves (2006) “Short Changed: Economic Development and the Availability of Venture Capital in North Carolina” *Innovation Online*. North Carolina State University *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves (2005) “Rethinking the Corporate Role in Economic Development” *Innovation Online*. North Carolina State University *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves, (1996) “Methods for the Effective Use of GIS for Transportation Systems Analysis.” *Federal Highway Administration Technical Document*. Washington, DC. 76 pages.

Invited Commentaries

- William Graves (2006) “The Role of Corporations in the Transformation of a North Carolina Urban Landscape” *The North Carolina Geographer*. Vol 13: 82-84.
- William Graves (2006) “Job Growth By the Kilowatt Hour.” *Innovation Online*. North Carolina State University -- *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves (2006) “The Secret of Our Success.” *Innovation Online*. North Carolina State University -- *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves (2006) “Private Funds for Public Projects.” *Innovation Online*. North Carolina State University -- *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves (2006) “Spersopolis to Metropolis” *Innovation Online*. North Carolina State University -- *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves (2006) “The Comparative Advantage of Poverty” *Innovation Online*. North Carolina State University -- *Institute for Emerging Issues*. www.ncsu.edu/iei/io
- William Graves (2004) “Editorial – The Geography of Finance and Financial Services” *The Industrial Geographer*. Vol. 2, No. 1. p.1.
- William Graves, (2000) “I-65 and The New Economy.” *Newsletter of the I-65 Institute*. August.

Reference Works

- William Graves (2006) “Capital,” *Encyclopedia of Human Geography*. Barney Warf, ed. Sage Publications.
- William Graves (2006) “Commodity,” *Encyclopedia of Human Geography*. Barney Warf, ed. Sage Publications.

- William Graves (2006) “Core-Periphery Models.” *Encyclopedia of Human Geography*. Barney Warf, ed. Sage Publications.
- William Graves (2004) “The North Carolina Economy” *North Carolina Atlas Revisited*. Al Stuart, ed. <http://www.ncatlasrevisited.org/>

IV. CONFERENCE PRESENTATIONS

- William Graves (2006) “Southern Gotham? Identifying Charlotte’s New Urbanites.” **Southeastern Division of the Association of American Geographers** Annual Meeting, Morgantown, WV, November
- William Graves (2006) “The Poverty of Southern Entrepreneurship: Identifying the Causes and Remedies of Venture Capital Shortage in the South” **Association of American Geographers** Annual Meeting, Chicago, March
- William Graves and Stuart Hair. (2005). “Money, Regulation and Information: Identifying the New Geography of Modern Banks.” **Southeastern Division of the Association of American Geographers** Annual Meeting, West Palm Beach, November
- William Graves and Stuart Hair. (2005). “Assessing the Future of Regional Banking: An Information Availability Approach. North American Meetings of the **Regional Science Association**, Las Vegas, November
- William Graves (2005) “Wall Street and Wal-Mart: Overcoming Headquarters Isolation to Finance the Creation of the World’s Largest Retailer.” **Association of American Geographers**, Annual Meeting, Denver, CO. April.
- William Graves and Heather Smith (2005) “Manufacturing a New Image for the Urban South: The Production of a Global City in the Carolina Piedmont.” **Conference on the Globalization of the American South** at the University of North Carolina at Chapel Hill. March
- William Graves, and Christopher Woodey (2004) “Risk, Finance and North Carolina’s Post-Industrial Future.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Biloxi, MS. November.
- William Graves, (2004) “Financing Flexibility and Innovation: Market Based Measures of Corporate Intangible Assets.” **Fulbright Summer Institute on Regional Economic Development**, University of North Carolina at Chapel Hill, NC. June.
- William Graves and Heather Smith, (2004) “Manufacturing a New Image for the Urban South. Global Firms and Local Growth Machines.” **Association of American Geographers**, Annual Meeting, Philadelphia, PA. March.
- William Graves and Heather Smith, (2003) “From Mills to Multinationals: The Reconfiguration of a Southern Company Town.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Charlotte, NC. November. (only paper in conference to receive unanimous rating of ‘excellent’ from peer reviewers)
- Heather Smith and William Graves, (2003) “Shaping Charlotte’s Global Urban Future?” **Urban Affairs Association**, Annual Meeting, Cleveland, OH. March.

- William Graves and Heather Smith, (2003) “Emergence of a Global City? The Mechanisms of Charlotte’s Ascent Through the Urban System.” **Association of American Geographers**, Annual Meeting, New Orleans, LA. March.
- William Graves, (2002) “Regional Pop, Fizz and Flavor: The Geography of the Regional Soft Drink Industry.” **Popular Culture, American Culture in the South Conference**, Charlotte, NC. October.
- William Graves, (2001) “Paying for the New Economy: The Geography of Equity Finance in North Carolina.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Lexington, KY. November.
- William Graves, (2000) “The Wisdom of Wall Street: Measuring Intangibles, Innovation and Growth.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Chapel Hill, NC. November.
- William Graves, (2000) “Do Growth Stocks Make Growth Regions? Innovation, Profits and Capital.” **Association of American Geographers**, Annual Meeting, Pittsburgh, PA. April.
- William Graves, (1999) “Beyond Bank Assets: Charlotte’s Role as a National Financial Center.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Tampa, FL. November.
- William Graves, (1999) “Market Response to Innovation: Bridging the Gap Between Invention and Production.” **Applied Geography Conference**, Charlotte, NC. October. (Session Chair)
- William Graves, (1999) “Post-Industrial Location: Measuring the Use of Intangible Assets from Balance Sheet Data.” **Association of American Geographers**, Annual Meeting, Honolulu, HI. March.
- William Graves, (1998) “Can Water Run Uphill? Measuring the Flow of Financial Information Outside of the US Urban Core.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Memphis, TN. November. (Student honors competition)
- William Graves, (1998) “Accountants as Geographers: Determining the National Distribution of Intellectual Capital from Corporate Balance Sheets.” **Association of American Geographers**, Annual Meeting, Boston, MA. March.
- William Graves, (1997) “Mapping the New Economy: Determining the Distribution of Intellectual Capital Using Balance Sheet Data. A Preliminary Analysis.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Birmingham, AL. November. (Student honors competition)
- William Graves, (1996) “Where is Your Retirement Money? The Geography of Mutual Fund Assets.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Athens, GA. November. (Student honors competition)
- William Graves, (1995) “Suburban Boom or Bust? The Intra-Urban Distribution of Corporate Activities in Atlanta, 1984-1993.” **Southeastern Division of the Association of American Geographers**, Annual Meeting, Knoxville, TN. November. (Student honors competition)
- William Graves, (1994) “Determining Inland Load-Center Location Using Spatial Interaction Modeling Techniques: A Case Study of the United States Rail Network.” **Association of American Geographers**, Annual Meeting, Chicago, IL. April.

V. OTHER PRESENTATIONS

- William Graves (2006) “Deviled Eggs to Biotech: Exploring the Southern Culture of Entrepreneurship through Investor’s Eyes.” **East Carolina University Department of Geography**, Colloquium Series. October.
- William Graves (2006) “Market Feasibility Analysis: The Global, National and Local Geography of Real Estate.” **Urban Land Institute**, Charlotte Regional Chapter. June
- William Graves (2006) “The Poverty of Southern Entrepreneurship: Identifying the Causes and Remedies of Venture Capital Shortage in the South.” **UNC Chapel Hill Supply Chain Working Group**. May
- William Graves (2006) “Risk, Finance and North Carolina’s Post-Industrial Future.” **UNC-Greensboro Department of Geography**, Colloquium Series. January
- William Graves (2005) “GIS for Policy Analysis.” Seminar directed for the **NCSU Institute for Emerging Issues**, Raleigh NC. December 19-20
- William Graves (Panelist) (2005) “Understanding Charlotte’s Urban Growth.” Led by Hal Wolman, George Washington University Institute for Public Policy. **UNCC – Uptown Campus**. October 21
- William Graves (2004) “Market Feasibility Analysis: The Global, National and Local Geography of Real Estate.” **Urban Land Institute**, Charlotte Regional Chapter. June
- William Graves and Heather Smith (2003) **Field Trip Leaders**: “A Walk Through Charlotte’s Revitalizing Center City.” For the Southeastern Division of the Association of American Geographers annual meeting, Charlotte, November.
- William Graves (2002) “Stock Markets, Intangible Assets and Space: The Metropolitan Distribution of Equity Finance.” **UNC-Wilmington Department of Earth Sciences**, April.
- William Graves (2001). “Demographics + Maps = Solid Business Planning.” **Public Library of Charlotte & Mecklenburg County**, November.

VI. FUNDED RESEARCH AND CONTRACTS

Fellowships Awarded Based on Prior Research

- **GlaxoSmithKline Faculty Fellowship**. “Economic Development Policy Outreach.” Institute for Emerging Issues, NC State University. 2005-2006
 - Amount \$14,000
 - Statewide competitive award for public policy research and outreach
 - Only award ever to a geographer
 - Awarded June, 2005
- **John H. Biggs Faculty Fellowship** “‘Great Banks Need Great Cities’ The Role of The Financial Industry in Urban Redevelopment” The University of North Carolina at Charlotte
 - Amount \$7,000
 - University-wide competitive award for research in financial services
 - First ever award to a geographer

- Awarded May, 2004
- **Eisenhower Research Fellowship.** Federal Highway Administration “Methods for Effective Use of GIS for Transportation Systems Analysis.”
 - Budget amount \$26,025
 - Nationally competitive fellowship program for directed research opportunities at the US Department of Transportation.
 - Research fellowship for the 1995-1996 academic year

Funded Grants and Contracts

- Co-Principal Investigator. **UNCC Center for Real Estate Research** “Documenting Charlotte’s Neo-Growth Machine” with Heather Smith
 - Budget amount \$3,000
 - Awarded Fall 2006
- Principal Investigator. **UNCC Urban Institute Faculty Fellows Program** “The Charlotte Model of Urban Revitalization: Contextualizing Southern City-Building in a Global Era”
 - Budget amount \$7,425 (\$5,000 from Urban Institute, \$925 in-kind contributions, and \$1,500 from supplementary sources)
 - University-wide competitive award
 - Awarded August, 2005
 - An additional \$925 in in-kind labor was provided by the Urban Institute
 - Supplementary funding of \$500 was obtained from the **UNCC Center for Real Estate Research**
 - Supplementary funding of \$1,000 was obtained from **Charlotte Center City Partners**
- Principal Investigator. University of North Carolina at Charlotte **Junior Faculty Research Grant.** “The Poverty of Southern Entrepreneurship: Identifying the Causes and Remedies of Venture Capital Shortage in the South.”
 - Budget amount \$6,500 (\$6,000 from UNCC, \$500 from supplementary sources)
 - University-wide competitive award
 - Awarded November, 2005
 - Supplementary funding of \$500 was obtained from the **Institute for Emerging Issues**
- **Contract** with the American Red Cross. “Site Selection of a New Donor Center in Mecklenburg County, NC”
 - Budget amount \$5,000
 - Spring 2004
- Principal Investigator. University of North Carolina at Charlotte **Junior Faculty Research Grant.** “From Mills to Multinationals: Charlotte as a Global City in Ascendance”
 - Budget amount \$5,180
 - University-wide competitive award
 - Awarded November, 2003
- **Contract** with the Charlotte-Mecklenburg Department of Transportation, Transportation Plan Review (MUMPO).
 - Budget amount \$800
 - Spring 2003
- Principal Investigator. University of North Carolina at Charlotte **Junior Faculty Research Grant.** “Paying for the New Economy: Identifying Linkages Between Equity Finance and Regional Economic Development.”

- Budget amount \$3,690
- University-wide competitive award
- Awarded November 2001

- Principal Investigator. University of North Carolina at Charlotte **Junior Faculty Research Grant**. “Identifying the Elements of the Metropolitan Innovation Infrastructure.”
 - Budget amount \$3,500
 - University-wide competitive award
 - Awarded November 2000

VIII. SERVICE

Department

- Department **Review, Promotion and Tenure** Committee (2007-2010)
- Economic Geography Faculty **Search Committee Chair**, (2006-2007)
- Planning Faculty **Search Committee Chair**, (2006-2007)
- Web site Reconstruction Committee, (2006)
- Ph.D. in Geography and Urban Regional Analysis, **Graduate Committee**, (2005-Present)
- Knight Professorship **Search Committee**, (2003-2004, 2004-2005, 2005-2006)
- Geography **MA Admissions Committee**, (2002-2004, 2004-2006, 2006-2008)
- Urban Geography **Search Committee**, (2004-2005)
- **Selection Committee** for the Ashton Scholarship, Department of Geography and Earth Sciences, (2002, 2003, 2004)
- **Economic Geographer Faculty Search Committee**, Department of Geography and Earth Sciences, (2003-2004)
- **Budget and Equipment Committee**, Department of Geography and Earth Sciences, (2001-2003)
- **Human Geography Faculty Search Committee**, (2002-2003)
- Urban Planning Faculty **Search Committee**, (2000-2001)
- Human Geography Faculty **Search Committee**, (2000-2001)

University and College

- **Geography Department Representative**. Task Force for the Creation of a Ph.D. in Global Studies. (2006-2007)
- Comprehensive **Review Committee** for the Reappointment of the Chair of the Department of Geography and Earth Sciences, (2005)
- **Teacher Education Council**, University of North Carolina at Charlotte, (2002-2003)
- **Admissions Committee**, Ph.D. Program in Public Policy, (2001-2003)
- **Admissions Standards and Procedures Committee**, Ph.D. Program in Public Policy, (2001)

Discipline

- **Southeastern Division of the Association of American Geographers**
 - **Editorial Board Member**, The Southeastern Geographer (2004-2007)
 - **Southern Studies Committee** (2006-2007)
 - **Program Committee** (2007)
 - **Nominating Committee** (Chair) (2006)
 - **Nominating Committee** (2004, 2005)
 - **Local Arrangements Committee** (2003)
 - **Honors Committee** (2002)
 - **Audit Committee** (Chair) (2001)

- **North Carolina Geographical Society**
 - **Treasurer-Secretary** (2003-2005)
 - **Local Arrangements** (2007)
- **Clarke County Geographical Society** (The smallest geographical society in the United States)
 - **Reviewer:** Student Travel Grant Applications (2004, 2006)
- **Editorial Service**
 - 2007: **Co-Editor**, *The Industrial Geographer*, Manuscript review *The Geographical Bulletin*
 - 2006: **Co-Editor**, *The Industrial Geographer*
 - 2006 Manuscript reviews *Southeastern Geographer* (x3), *Papers of the Applied Geography Conference*
 - 2005: Appointed **Editorial Board Member**, *The Industrial Geographer* (2005-2006)
 - 2005: Manuscript reviews *Southeastern Geographer* (x4), *Journal of Urban Affairs*, *The Industrial Geographer*, *Geographical Review*
 - 2004: **Guest-Editor**, *The Industrial Geographer* (Volume 2 numbers 1 and 2),
 - 2004: Appointed **Editorial Board Member**, *The Southeastern Geographer* (2004-2007)
 - 2004: Manuscript reviews *Southeastern Geographer* (x5), *The Professional Geographer*
 - 2003: Textbook review *Urban Geography* (Kaplan, Holloway and Wheeler)
 - 2002: Manuscript reviews *Southeastern Geographer*, *The Review of Regional Studies*
 - 2001: Manuscript reviews *Urban Geography*
 - 1998: Manuscript reviews *The Professional Geographer*, *Southeastern Geographer*
- **Conference Session Organization**
 - Session Co-organizer and Co-chair (with Ron Kalafsky), **“The Third Wave? The Changing Economic Structure of the American South”** Association of American Geographers, Annual Meeting, Chicago, IL. (March 2006)
 - Session Co-organizer and Co-chair (with Heather Smith), **“Geographies of the American Urban South 1” “Geographies of the American Urban South 2”** Association of American Geographers, Annual Meeting, Philadelphia, PA. (March 2004)
 - Panel Discussion Co-Organizer (with Derek Alderman), **“Human Geography in the 21st Century: New Identity or Identity Crisis”** Annual Meeting of the Southeastern Division of the Association of American Geographers, Chapel Hill, NC. (November 2000)
 - Session Co-Organizer (with James Wheeler) and Chair, **“Economic Development Perspectives”** 22nd Annual Applied Geography Conference, Charlotte, NC. (October, 1999)
 - Session Chair, **“Place and Economic Development in the United States”** Annual Meeting of the Association of American Geographers, New Orleans, LA. (March 2003)
- **Paper Discussant**
 - **“Decentralization and Recentralization: Wither Metropolitan Regions?”** By Truman Hartshorn. Annual Meeting of Southeastern Division of the Association of American Geographers, West Palm Beach, FL. (November, 2005)
 - **“Metropolitan Atlanta’s New Borders: Pushing the Limit?”** By Susan Walcott. Annual Meeting of Southeastern Division of the Association of American Geographers, West Palm Beach, FL. (November, 2005)
 - **“Tourism Development and Mammoth Cave National Park.”** By Katie Algeo. Annual Meeting of Southeastern Division of the Association of American Geographers, Charlotte, NC. (November, 2003)
 - **“Regional Dimensions of China’s Economic Policies.”** By John Bies. Annual Meeting of Southeastern Division of the Association of American Geographers, Richmond, VA. (November, 2002)
 - **“Carolina Thunder Revisited: Transition and Tradition in the Geography of NASCAR.”**

By Preston Mitchell, Derek Alderman, Derek Hanak and Harry Miller. Annual Meeting of Southeastern Division of the Association of American Geographers, Lexington, KY. (November, 2001)

- **“Over Development, Pirates, and the Anarcho-Egoism of Max Stirner: Reflections on Need and Desire in Florida.”** By Philip Steinberg. Annual Meeting of Southeastern Division of the Association of American Geographers, Tampa, FL. (November, 1999)

IX. PROFESSIONAL AFFILIATIONS

- Association of American Geographers (since 1992)
- Southeastern Division of the Association of American Geographers (since 1992)
- North Carolina Geographical Society (since 1999)
- National Council of Geographic Education (since 2006)
- Southern Regional Science Association (since 2001)
- Southern Historical Association (since 2004)
- Clarke County Geographical Society (since 1999)
- Professional Association of Diving Instructors (since 1985)
- National Association of Underwater Instructors (since 1989)

CURRICULUM VITAE

Tyrel G. Moore

Professor

4863 Sherborne Drive
Harrisburg, N. C. 28075

I. Personal

Place of Birth: Hartford, Kentucky

Citizenship: United States

Marital Status: Married, one child

II. Education

Ph.D., Geography (1984) The University of Tennessee, Knoxville
Dissertation Title: An Historical Geography of Economic Development in Appalachian Kentucky, 1800-1930.

M.S., Geography (1975) The University of Tennessee, Knoxville
Thesis Title: The Role of Ferry Crossings in the Development of the Transportation Network in East Tennessee, 1790-1974.

B.S., Geography and History (1968) Western Kentucky University

III. Professional Experience

A. Teaching

The University of North Carolina at Charlotte, 2004-Present, Professor

The University of North Carolina at Charlotte, 1994-2004, Associate Professor

The University of North Carolina at Charlotte, 1989-1994, Assistant Professor

The University of North Carolina at Charlotte, 1982-1989, Lecturer

Western Kentucky University, 1977-1982, Instructor

The University of Tennessee, Knoxville, 1976-1977, Lecturer

B. Other Educational Experiences (short courses)

Attended workshop on Geographic Information Systems conducted at GIS/LIS Annual Conference, Orlando, Florida, November 26-30, 1989.

C. Courses Taught

UNC at Charlotte:

- Small Town Planning and Development
- Urban Field Problems
- Urban Planning Methods

- Regional Planning
- World Regional Geography
- Rural Planning and Development
- Land Use Planning
- Regional Development Issues: Appalachia
- Geography of Appalachia
- Earth Science-Geography

Other Universities (Western Kentucky University and the University of Tennessee, Knoxville)

- Principles of Human Geography
- Introduction to Man's Physical Environment
- Introduction to Urban Planning
- Regional Planning
- Rural Sociology
- Economic Geography

D. Thesis/Internship Advisor (Total of 25 completed to Fall, 2006)

John, Barbara B., (PPOL Ph.D. Program) “Planning Policy and Residential Land Use Change in Charlotte-Mecklenburg Planning Processes, 1998-2005” (In Progress)

Tiller, Kara, “Identifying Socially Vulnerable Census Tracts to Inform Transportation Planning for Evacuations” (Completed, May 2006)

McAuliffe, Todd, "An Evaluation of Charlotte-Mecklenburg's North Corridor Transit Development" (Completed, May 2006)

Burd, Charlynn, “Small Towns: A New Theater for Gentrification” (Completed December 2005)

Thomas, Craig, “Managing Growth with Transit-Supportive Principles in Matthews, North Carolina” (Completed, August, 2005)

Askew, Ashley, “An Examination of the Impacts of Hope VI Funding, A Case Study of Charlotte's First Ward” (Completed May, 2005)

Wear, Johnny, “The Grant's Creek Project: A Land Conservation Case Study” (Completed May, 2005)

Curley, Daniel, "The Geography and Principles of New Urbanism: Evaluating current Projects in the Charlotte, NC Metropolitan Area," (Completed May, 2005)

Harris, Beven, “Newell Area Planning Process Evaluation” (Completed, June, 2004)

Burris, Erin, “The Town of Cornelius Historic Survey: Historic Preservation in a Centennial Town,” (Completed, May, 2004)

Todoro, Frances, "An Affordable Housing Plan for Ann Arbor, MI" (Completed, May, 2004)

Crawford, Angela, "E-Government: A Plan to Assist Community Economic Development: in Gastonia, NC" (Completed August 2003)

Gapen, Janet, "Rural Downtown Revitalization: Gauging the Success of Redevelopment Strategies," (In Progress)

Miller, Jessica, "Downtown Revitalization Efforts in Winston-Salem" (In Progress)

Zonn, Jacob, "Smart Growth – Communicated Through GIS Analysis, Charlotte, N.C.: A Case Study" (Completed, August, 2003)

Baur, Brent, "Planning for a Neighborhood-based Crime Prevention and Housing Program for the Lakewood Park Community" (Completed May, 2002)

Burzzese, Ronald, "Annexation Study for the City of Gastonia" (Completed, May 2002)

Robinson, Jonathan, "Planning for Housing Needs for Citizens With Disabilities" (Completed, May, 2002)

Sandkam, Mary, "A Visual Preference Survey and Design Standards for Harrisburg's Highway 49 Corridor" (Completed, Spring, 2001)

Grier, Charles, "A Survey and Analysis of Open Space Indicators for the Central Carolinas Region" (Completed, Spring, 2001)

Moose, Rebecca, "Industrial Land Use Inventory and Analysis for Charlotte-Mecklenburg County" (Completed, Spring, 2001)

Ruppel, Douglas, "A GIS Software and Hardware Planning Implementation Program for the City of Fayetteville," (Completed, Fall 2000)

Matthews, Brian, "Analysis of Charlotte-Mecklenburg City Within A City Housing Survey" (Completed, Fall 1997)

Bruce, Reginald, "Pilot Study for Land Management Records, City of Salisbury " (Completed, Fall, 1996)

Lentz, Rodger, "Neighborhood Preservation Using Special Planning Districts: The Creation of the Crestdale Conservation District" (Completed, Summer 1996)

Haugh, Kathleen, "Alexander County Corridor Study" (Completed, Spring 1995)

Jaske, Michelle, "Zoning Ordinance Amendments for the Town of Matthews"
(Completed, Summer, 1994)

Strickland, Jamie, "Place Meaning and Social Policy: The Settlement Movement in
Eastern Kentucky, 1880-1914" (Completed, Summer 1993)

E. Thesis Advisor at Western Kentucky University:

Donna B. Hopper	Urban and Regional Planning Spring 1980
Timothy Asher	Urban and Regional Planning Spring 1980
Paul Ouderkirk	Urban and Regional Planning Spring 1979
Nancy Greene	Urban and Regional Planning Spring 1979

F. Graduate Assistantship Project Advisor

Gapen, Janet, "User's Guide for Town of Harrisburg Unified Development Ordinance,"
Town of Harrisburg, Fall 2002

Gapen, Janet, "Community Greenway, Pedestrian and Bikeway Connectivity Study, Phase
II," Town of Matthews Planning Department, (Spring 2000)

Sandkam, Mary, "Design Guidelines and Standards for Highway 49 Corridor Overlay
District, " Town of Harrisburg (Summer-Fall, 2000)

Lee, Katrina, "Community Greenway, Pedestrian Connectivity and Open
Space Plan," Town of Matthews Planning Department, (Spring 2000)

Stovall, Severn, "Community Organization Liason for HUD Community
Outreach Partners Center" (Spring - Summer 2000, with Jim Cook and Sondra
Fogle)

Todoro, Frances, "Streetscape Plan for Monroe Road - Johns Street Corridors" Town of
Matthews Planning Department, (Completed, Fall 1998)

G. Thesis/Internship Committee Member (**Total of 55 completed to Fall, 2006**)

Castognia, Steven, "A Demand-Based Resource Allocation Method for Electrical
Substation Service Area Delimitation" (Completed May, 2006)

Shearer, Keri, "The Characteristics of Riparian Buffer Studies"(Completed May, 2006)

Wannamaker, Christian, "North Carolina's New Economic Development Tool Tax
Increment Financing: A Center City Charlotte Case Study" (Completed December, 2005)

Erikson, Kirk, "The Politics of Planning: The Rowan County Land Use Plan Update"
(Completed June, 2005)

Patriarca, Christopher, "Implementing Smart Growth Strategies: Analysis of Successful and Failed attempts. (In Progress)

Spell, Dervin, "The Role of Inclusionary Zoning in Affordable Housing Policy: Comparing Raleigh and Davidson, NC. (In Progress)

Hafeman, Lori, "The Effect of Store Characteristics on the Sales Performance of Family Dollar Stores" (Completed May, 2005)

Rice, Scott, "A Collaborative Planning ArcIMS web site for US 54 in Kansas" (Completed, January 2005)

Karagounis, Penelope, "Ellis Island Detour: Hispanic Immigration in Charlotte, North Carolina" (Completed, December 2004)

Chambers, John, "The Economic Impact of Biological Agent Release in a Multi-State. Multi-Hazard Context: Development of a Framework for Analyzing the Economic Impact of a Biological Disaster and its Application to Operation Summer Breeze in Charlotte, North Carolina" (Completed, December, 2004)

Stewart, Shane, "Brownfields Redevelopment in Small Municipalities: Statesville, NC" (Completed, July, 2004)

Brown, Stacy, "The Geographic Variations in Consumer Accessibility to Chain Supermarkets in Mecklenburg County, North Carolina" (Completed, May 2004)

Daniels, George, "The Impact of Interstate Interchanges on Residential location Choice in Cabarrus County, North Carolina," (Completed, May, 2004)

Carroll, Justin, (Civil Engineering M.S.) "The Effect of Driver Cataract Development on Roadway Sign Legibility" (Completed, December 2003)

Wallis, Kim, "Where is New GIS Taking Local Government?"(Completed, August, 2003)

Brown, Tim, "Building a Town center: Transit-Oriented Development in Cornelius, NC" (Completed, December, 2002)

Conine, Ashley, "A Preliminary Assessment of Greenway Potentials for the City of Concord" (Completed, December, 2002)

John, Barbara, "School Choice and the Charlotte-Mecklenburg System Pupil Assignment Plan," (Completed, December, 2002)

Stovall, Severn, "Neighborhood-based Student Achievement in the Charlotte-Mecklenburg System," (Completed May, 2002)

- Hartl, Casey, "Urban Growth and Development in Charlotte's University City Area," (Completed, Spring 2001)
- Baldwin, Ben, "Examining the Suitability of an Electronic, GIS -based Version of The North Carolina Atlas," (Completed, Spring 2001)
- Wager, Jason, "Housing Survey for a Piedmont City" (Completed Fall 2001)
- Douglas, Aldea, "Neighborhood Revitalization in Monroe, NC" (Completed, Fall 2000)
- Leatherland., Ben, "Watershed Management Theory and its Application in a Piedmont North Carolina Water Supply Watershed: Population Growth and the Coddle Creek Watershed" (Completed, Fall 1999)
- Wright, Caroline, "Land Based Information Systems at the County Level: The Potential for a Comprehensive LIS in Mecklenburg County, NC" (Completed, Summer, 1999).
- Bowman, Vicki, "Planning for a Voluntary Transfer of Development Rights Program" (Completed, Fall, 1998)
- Chalnik, Brinda, "A Benchmark for Land Use Planning in Brunswick County" (Completed, Fall, 1998)
- Kandris, Sharon, "A GIS-Based Model for Cross Country Ski Trail Planning" (Completed, Spring, 1998)
- Lentz, April, "An Examination of the Branch Library Network in South Mecklenburg County" (Completed, Spring, 1998)
- Owens, Timothy, "Town of Kitty Hawk, NC Pre-Storm/Post-Storm Hurricane Preparedness Plan" (Completed, Summer, 1998)
- Roberts, Anthony, "Effects of Proposed 1996 Legislative Changes to North Carolina's Involuntary Annexation Laws" (Completed, Spring, 1998)
- Anderson, Chris, "Comprehensive Plan for the City of Gastonia" (Completed, Fall, 1997)
- Bondurant, John David, "Park Planning Through GIS: An Assessment of Mecklenburg County Park Service Levels Relative to Countywide Growth" (Completed, Fall, 1997)
- O'Connell, Bridget, "GIS-Based Assessment of Floodplain Development Regulations," (Completed, Summer, 1997)
- Burns, Shelly, "Retail Potential in Low Income Areas: A Case Study of the Belmont Neighborhood " (Completed, Fall, 1997)

- Oblinsky, Michelle, "Effects of Public Housing Location in Single Family Residential Neighborhoods" (Completed, Fall, 1997)
- Elguindi, Nellie, "Assessing the Contribution of Various Air Pollutants to Asthma-Related Emergency Department Visits: A Case Study of Charlotte, North Carolina, 1990-1995" (Completed, Summer, 1997)
- Segedy, Jason, "A GIS-Based Multi-Functional Transportation Data and Traffic System," (Completed, Summer, 1997)
- Lundegran, John, "Optimum Store Size for Belk Department Stores" (Completed, Spring 1997)
- Barcus, Holly, "City Within a City Neighborhood Quality of Life Index, Charlotte, North Carolina" (Completed, Spring, 1997)
- Deaton, Robert, "Formulation & Geographic Allocation of Future Land Use Projections for Planning Purposes: City of Concord" (Completed, Fall, 1996)
- Collins, Carroll, "A Traffic Forecasting and Incremental Development Model for Rock Hill, SC" (Completed, Fall, 1996)
- Giltz, Linda, "Land Use Plan for the Town of Weddington" (Completed, Summer, 1996)
- Festin, Scott, "Analysis of National and Regional Travel Trends" (Completed, Spring, 1996)
- Lesser, Tim, "Characterizing Cities Using Visual Techniques: A Comparison of Alternative Snowflake Diagrams" (Completed, Summer, 1995)
- Moore, Toby, "A Political Geography of the Southern Sheriff" (Completed, Summer 1995)
- Spivey, Brett, "Transportation Enhancement Plan for Kanlacon Urban Area" (Completed, Fall, 1994)
- Mitchell, Donald, Master's in Education (Completed, Fall, 1994)
- Ellis, Marie, Master's in Education (Completed, Fall 1993)
- Christensen, David, "An Examination of Seasonality at Belk Department Stores Utilizing the Cluster Analysis Statistical Technique" (Completed Fall, 1993)
- Palpfy, Anastasia, "An Assessment of Store Performance for Peebles, Inc. Using Multivariate Statistical Techniques" (Completed Fall, 1993)

Whitley, David, "A GIS-Based General Land Use Plan for the City of Concord" (Completed, Summer 1993)

Longest, Diane, "Demographic Analysis of Pic N'Pay Store Market Areas" (Completed, Summer 1993)

Kraus, Russell, "Recreation Plan for Mecklenburg County Parks and Recreation" (Completed, Summer 1993)

Averell, Cathy, "Matthews Land Use Plan" (Completed, Spring 1991)

Zera, Karen, "National Coastal Recreation Inventory Project: Background and Discussion" (Completed, Spring 1991)

Altman, Robert, "The High Point Master Plan for Parks and Recreation" (Completed, Fall 1990)

Undergraduate Internship (GEOG 4400) Supervisor (**30 completed to fall, 2006**)

Ferrin, Robert, Center City Partners Research Internship (Summer, 2006)

Ferrin, Robert, Center City Partners Research Internship (Fall, 2005)

Brawner, Matthew, KayBee Homes Land Parcel Research (Fall, 2005)

Gideon, John, Town of Leland Planning Department, (Summer, 2004)

Norberg, Jeremiah, Bunker Land Development Corporation (Summer, 2004)

Barr, David, Cabarrus County Planning Services, (Spring, 2004)

Goins, Dana, Town of Indian Trail Planning Department, (Spring, 2004)

Ridout, Ronda, Rack Room Shoes Location Analysis Division, (Spring, 2004)

Ventresca, Andrew, Mecklenburg County Land Records and GIS, (Completed, Spring 2004)

Evans, Christopher, GIS and Land Records, Cabarrus County GIS Services, (Spring, 2003-Spring 2004)

Aaron Doesey, GIS and Land Records, Cabarrus County GIS Services, (Spring, 2002-Spring 2003)

Fox, Stephen, "Downtown Redevelopment Plan Standards," Town of Matthews Planning Department (Spring, 2003)

Castognia, Steven, Charlotte DOT, (Fall, 2003)

Dorsey, Aaron, Cabarrus County GIS Services, (Fall, 2002-Spring 2003)

Budd, Will, Mapping and GIS Management of Land Use, Cabarrus County Planning Services, (Fall, 2001)

Dixon, Kirstie, Neighborhood Land Use and Housing Inventory, City of Concord Community Development Department, (Spring 2001)

Combs, Sara, Mapping and GIS Management of Land Use, Cabarrus County Planning Services, (Fall 2000 – Spring 2001)

Brennan, Amanda, Land Development and Review Section, Charlotte-Mecklenburg Planning Commission, (Fall 1998)

Jones, Jeffrey, Charlotte-Mecklenburg Planning Commission, (Summer 1998)

Fulbright, Alex, Charlotte-Mecklenburg Planning Commission, (Spring 1998)

Smith, Michael, GIS Address Mapping, Cabarrus County Planning Services, (Spring 1998)

McGuinness, Keith, Data Analysis Section, Charlotte-Mecklenburg Planning Commission, (Summer, 1997)

Case, Kelly, Land Development and Review Section, Charlotte-Mecklenburg Planning Commission, (Fall 1996). Continued as a paid internship, (Spring 1997)

Baudermann, Mark, "A Survey of Land Use Development Requirements in Matthews, NC" (Spring 1996)

Smith, Ronald, "Transportation and Trip Generation Survey for Concord, NC," (Summer 1993)

King, Jerome, "Land Use Planning and GIS Data Base Development for Land of Sky Council of Government," (Summer 1991)

H. Supervisor Independent Studies **(37 completed to Fall 2006)**

Askew, Ashley, "Impacts of HOPE VI Projects: A Case Study of Earle Village, Charlotte, NC and Clark Howell and Techwood Homes, Atlanta, GA," (Completed, Summer 2004)

Spell, Dervin, "A Literature Review of Community Development Planning and Inclusionary Zoning in North Carolina," (Completed, Summer 2004)

Burris, Erin, "Thesis Proposal: Historic Preservation Planning in Cornelius, NC," (Completed, Fall 2003)

Pierre, Ann-Sophie (exchange graduate student, Univ. Of Limoges, France) "Readings in American Rural Geography and comparisons with Europe," (Spring 2001)

Posner, Lisa M. (Graduate student in English) "A Comparison of the Treatment of Place in Literature and Geography, (Spring, 2001)

Gapen, Janet and Morris, Joe, "An Inventory of Existing Plans for HUD Community SUPPORT Neighborhoods" (Completed, Summer, 1999)

Shanley, Todd, "Development of a Tax Parcel Data Bases for Charlotte's Habitat for Humanity and the Lakewood Community Development Association" (Completed, Summer, 1999)

Waters, Charles, "A Comparison of Zoning Ordinances and Development Standards for Charlotte, Mecklenburg and Union Counties, and York County, SC" (Completed, Summer, 1999)

Stikeleather, Berry, "Economic Activity in Stanley County, 1987-1995" (Completed, Fall, 1998)

Morris, Joe, "I-85 Billboards: An Analysis of Outdoor Advertising in Salisbury & Rowan County" (Completed, Fall, 1998)

Jones, Jeffrey, "Transit-Oriented Development" (with Jerry Ingalls, Completed, Summer, 1998)

Morris, Joe, "Back to the Future: Salisbury's 1950 Comprehensive Plan and its Outcomes in the 1990s" (Completed, Spring, 1998)

Ingalls, Jay, "Russia, Poland, and the Czech Republic" (Completed, Spring 1998)

Morgan, Autumn, "A Literature Review of GIS Applications in Urban and Regional Planning," (Spring, 1997)

Cheung, Natalie, "Land Use/Transportation Integration: the Synthesis of a Working Model Based on Different Land Use Strategies" (Fall 1994)

Elguindi, Nellie, "Poverty Rates Among Native Americans" (Fall, 1994)

Mitchell, Donald, " Integration of Geography into a World Cultures Curriculum" (Summer, 1994)

Miller, Jason, "Myers Park as an Elite Charlotte Neighborhood, 1960-1990" (Spring 1994)

Nichols, Marty, "Population and Economic Trends in Wilkes County, North Carolina: Regional Development Implications" (Spring 1994)

Woodard, Eric, "Conservation and Production Trends in Appalachian North Carolina's Timber Industry" (Fall 1993)

Ellis, Marie, "A Middle School Teaching Unit on South Asia," (Fall 1993)

Strickland, Jamie, "The Origins of the Settlement School in Appalachian Kentucky During the Progressive Era" (Summer, 1992)

Strickland, Jamie, "Images of Poverty in Lands of Plenty: The Diffusion of Settlement Houses from England to Appalachia, 1884-1914" (Spring 1992)

Holliday, Charles, "Regional Architectural Styles in the United States: A Geographic Investigation of Four Styles" (Spring 1992)

Williams, Lori, "An Integrated Geography and Earth Science Teaching Unit" (Fall 1990)

Morrison, Margaret M., "Migration Patterns in a North Carolina Town" (Fall 1989)

Allen, Zebetta K., "Earth Science Teaching Module Development" (Summer 1988)

Jamison, Scott, "A View of Economic Conditions in Appalachian Virginia Around 1890" (Spring 1988)

Saukshag, Theodore, "Development of an Earth Science Teaching Module on Plate Tectonics" (Summer 1986)

Walker, Paul Rex, "Survey of Stream Morphology and Trout Habitats on Widow's Creek and Garden Creek, Stone Mountain State Park" (Spring 1986)

Dellinger, Anita, "Natural Hazards: Classroom Information Booklet and Annotated Bibliography for Middle School Earth Science" (Summer-Fall 1985)

Culberson, Laura, "Development of Laboratory Exercises and Resources in Meteorology, Climatology and Geology"; "An Overview of Processes in Violent Atmospheric Disturbances" (Summer 1985)

Richardson, Shiela, "Analysis of Mid-latitude Weather Systems" (Spring 1985)

Moore, Britt, "European Landscape Survey" (Fall 1984)

Bizzell, Diane, "Test Markets: An Annotated Bibliography" (Summer 1984)

Hendrix, Carolyn P., "A Review of Rock and Mineral Formation" (Summer 1984)

I. Conductor of Workshops, Symposia, and Seminars **(Total of 26 to Fall, 2006)**

Invited presentation on Urban Spatial Structure Models to 50 AP Geography Students, from Garinger, Myers Park, and Olympic High Schools, UNC Charlotte, March 8, 2004.

With Owen Furuseth, Jerry Ingalls, and Jamie Strickland) World Regional Geography Workshop for Charlotte-Mecklenburg Social Studies Teachers, West Mecklenburg High School, July 8, 2001.

(Director, North Carolina Geographic Alliance/National Geographic Society Summer Geography Institute for Charlotte-Mecklenburg K-7 Teachers, June 26-July 13, 1994.

Seminar, "Topics in Regional Geography" (GEOG 6015) for UNCC Office of Continuing Education and Extended Campus Programs, West Iredell Training Site, Spring 1992

Director (with Doug Wilms) of North Carolina Geographic Alliance/National Geographic Society Summer Geography Institute, June 17-July 3, 1990. Organized local arrangements, scheduled UNCC instructional staff, and administered participants' applications with local school systems.

Workshop, "Our Atmosphere" for North Carolina Public School Science Teachers, Summer Science Institute, UNCC Center for Mathematics and Science Education, July 11-22, 1989.

Workshop, " Geography as an Integrating Subject in Science and Social Studies" UNCC Summer Institutes for Public School Personnel, June 19-30, 1989.

Workshop, "Our Atmosphere" for North Carolina Public School Science Teachers, Summer Science Institute, UNCC Center for Mathematics and Science Education, July 11-22, 1988.

Workshop, "Teaching Map and Globe Skills" for K-6 teachers, Monroe City Schools, sponsored by North Carolina Geographic Alliance and The National Geographic Society, October 23, 1987.

Workshop, "Our Atmosphere" for North Carolina Public School Science Teachers, Summer Science Institute, UNCC Center for Mathematics and Science Education, July 20-31, 1987.

UNCC Summer Ventures in Science and Mathematics Mini Course, "Interpretation of Cultural Landscapes", July 10-11 & 17-18, 1987.

Workshop, (with Gail Gibson and Donald Steila)"Materials Development Skills for Middle School Earth Science Teachers" sponsored by the National Science Foundation, June -July 1987.

Workshop, (with Gail Gibson and Donald Steila)"Materials Development Skills for Middle School Earth Science Teachers" sponsored by the National Science Foundation Workshop, July, 1986.

Workshop, "The Evolution and Application of the Theory of Plate Tectonics" for Change in Science", a program offered to Montgomery County Public School Teachers through UNCC Continuing Education/Mathematics and Science Institute, May 28 and 30, 1986.

Workshop, "The Evolution and Application of the Theory of Plate Tectonics" for "Change in Science", a program offered to Gastonia-Lincoln County Public School Science Teachers through a grant provided to UNCC Continuing Education/Mathematics & Science Institute, November 19 and 21, 1985.

Seminar, "Geography for Teachers" (GGY 450c) offered to Montgomery County Public School Teachers through UNCC Continuing Education/Mathematics & Science Institute, Fall, 1985.

UNCC Summer Ventures, Earth Science Field Trips in North Carolina, Virginia and West Virginia for UNCC Summer Ventures in Mathematics and Science, UNCC Mathematics & Science Institute, July 29-August 3 and August 5-9, 1985.

Workshop, (with Gail Gibson) Geology Section; Led Field Trips to North Carolina Slate Belt and Arrowood Quarry and Conducted Atmospheric Science Section for North Carolina Public School Teachers Summer Mathematics and Science Institute, UNCC Mathematics and Science Institute, July 1-16, 1985.

UNCC Summer Ventures, (with Nelson Nunnally and Walter Martin) "Processes and Problems in Hydrology" for UNCC Summer Ventures in Mathematics and Science, UNCC Mathematics and Science Institute, July 13-14, 1985.

Workshop, Meteorology for Martin-Marietta Public School Science Teachers Workshop, UNCC Mathematics and Science Institute, June 21 and 25, 1985.

Workshop, (with Paul Smith) "Careers in Aerial Photography and Remote Sensing" for UNCC Careers in Science, UNCC Mathematics and Science Institute, June 20, 1985.

Workshop, "The Evolution and Application of the Theory of Plate Tectonics" for "Change in Science," a program offered to Salisbury-Kannapolis-Rowan County Public School Science Teachers by UNCC Continuing Education/Mathematics & Science Institute, May 14 and 16, 1985.

Workshop, (with Gail Gibson) "Rocks and Minerals in the Earth Sciences" for Lincoln County Public School Science Teachers through UNCC Continuing Education/Mathematics & Science Institute, April 1 - May 15, 1985.

Workshop on Meteorology for North Carolina Public School Science Teachers, UNCC, August 15-16, 1984.

Workshop, Atmospheric Science section of North Carolina Public School Teachers Summer Mathematics and Science Institute, UNCC, July 5-9, 1984.

Workshop, (with Walter Martin) Meteorology and Climatology section of North Carolina Public School Teachers Summer Mathematics and Science Institute, UNCC, July, 1983.

IV. University and Community Service

A. University Committees

Bank of America Excellence in Teaching Award Selection Committee, 2003-2008

Nish Gamgotch Humanitarian Award Selection Committee, 2003-2006

The Graduate School, College of Arts and Sciences Graduate Teaching Assistant Outstanding Teaching Award Committee, 2006

Chair, Bank of America Excellence in Teaching Award Selection Committee, 2004-2005

Invited Panelist, Discussion of student - faculty responsibilities and communication. Freshman Seminar (Anita Blowers), September, 7, 2004

Invited Panelist, New faculty Orientation, August, 16, 2004

Graduate Residence Status Appeals Committee, Appointed to three-year term as, Nov.1, 2003-Oct. 31, 2006

UNC Charlotte Urban Institute, Open Space and Land Preservation Indicators Research Advisory Committee, Spring 2003-present.

UNC Charlotte Urban Institute, Peer City Environmental Indicators Research Advisory Committee, Spring 2003-Spring 2004.

Undergraduate Residence Status Appeals Board, Appointed to three-year term as an Alternate, Nov.1 2002-Oct. 31, 2005.

Harshini de Silva Graduate Mentoring Award Selection Committee, 2001-2002

Teacher Education Council, Geography Representative, 2000 – 2002.

University Writing Programs Writing Intensive Criteria Assessment Team, Spring 2000

Committee on General Education Goal VI Assessment Task Force, Spring 1999

Secretary of the Faculty, 1995-1996.

Faculty Executive Council, 1995-1996.

Faculty Council, 1995-1996

Cone University Center Advisory Committee, 1993-1996

Middle School "Second Concentration" in Social Studies Committee, Spring 1994

Faculty Status and Welfare Committee, 1993-1994 (Alternate)

B. College Committees

Chair, Department of Geography and Earth Sciences Comprehensive Review of Chair for Reappointment, 2005.

Student Grade Appeal Committee for College of Arts and Sciences, grade challenge in the Art Department, 2005

Department of Music Self-Study External Review Committee, 2001-2003

College of Arts and Sciences Graduate Teaching Assistant of the Year Award Committee, Spring, 2003.

Geography Advisor, College of Arts and Sciences Advising Center, Spring
2000-present

Arts and Sciences College Part-Time teaching Award Committee, 1997-present

Chair, College of Arts and Sciences Social Sciences Computer Technology
Sub-Committee, 1995-1996

College of Arts and Sciences Council, 1994-1996 (Alternate)

Mathematics and Science Education Center Advisory Committee, 1993-1994
(Alternate)

Program and Policy Advisory Committee, Mathematics and Science Center,
1986-1992

Summer Orientation and Registration Advisor, 1989

Advisor for Undecided Majors, College of Arts and Sciences, 1984-1989

Summer Orientation and Registration Advisor, 1985

C. Department Committees

Reappointment, Promotion and Tenure Committee, 2005-2006 academic year

Search Committee, Knight Distinguished Professor of Public Policy 2005

Chair, Department of Geography and Earth Sciences Comprehensive Review of Chair for
Reappointment, 2005

Geography Ph.D. Program Development Committee, 2004-2006

Coordinator, Geography Master of Arts Program, 2001-present

Graduate Affairs Committee, 1991-present

Review Committee, 1996-2002

Faculty Advisor, Gamma Theta Upsilon, 1995-present

Co-Chair, Curriculum Committee, 1994-1996

Ad Hoc Committee, Cartographic Laboratory Services, 1991-1993

Chair, Curriculum Committee, 1990-1991

SACS Self Study, 1990-1991

Curriculum Committee, 1983-1987; 1989

Library Committee, 1982-1983

D. Community Service

University City Partners, "Retrofitting University City" conference, University of North Carolina at Charlotte, October 19, 2005. Recruited and coordinated Students in the Regional Planning Class to attend the meeting and provide written records of panel discussions.

Invited panelist on employment location, University City Partners "The Road to Rail" Conference, University Hilton Hotel, September 14, 2004.

Invited presentation on Urban Spatial Structure Models to 50 AP Geography Students, from Garinger, Myers Park, and Olympic High Schools, UNC Charlotte, March 8, 2004.

Representative for the Town of Harrisburg for the U.S. 64-N.C. 49 Corridor Study conducted by NCDOT, interviewed by consultants, January 15, 2004.

Invited Panelist on cross-Jurisdictional Planning, University City Area Council Regional Land Use and Planning Symposium, Charlotte Motor Speedway, October 30, 2003.

Supervised 8 students in conducting Charlotte-Mecklenburg Housing Quality Survey for City of Charlotte Neighborhood Development, Fall 2003

Land Use Survey for the Town of Midland: Summer 2003, for Cabarrus County Planning Services and Town of Mount Pleasant. Results and data on land use were adopted in the town's Planning and Zoning Ordinances and Land Use Plan in 2003.

Chair, Planning and Zoning Board, Town of Harrisburg, NC, 1996-present.

Alternate Member, Board of Adjustment, Town of Harrisburg, NC, 1996-present.

Directed GEOG 4000/6000 class project, Newell Area Plan, conducted for Charlotte-Mecklenburg Planning Commission, Spring, 2002.

Supervised (with Owen Furuseth) 8 students in conducting Charlotte-Mecklenburg Housing Quality Survey for City of Charlotte Neighborhood Development, Key Business, Summer 2001

Directed GEOG 4000/6000 class project, land use survey for the Town of Mount Pleasant, NC, conducted for Cabarrus County Planning Services, Fall, 2000. This was the Town's first-ever land use inventory and will be used to compile a plan and gain State grants for water and sewer improvements.

Directed GEOG 5210/4210 class project, land use surveys and analysis of development potential for Charlotte's Davidson Street inner city neighborhoods covered in the University's Department of Housing and Urban Development Community Outreach Partnership Centers Program (COPC) Grant, Fall, 2000.

Directed GEOG 5210/4210 class project, land use surveys and analysis of potential small business incubator sites for Charlotte's inner city neighborhoods covered in the University's Department of Housing and Urban Development Community Outreach Partnership Centers Program (COPC) Grant, Fall, 1999.

Cabarrus County Economic Development and Land Use Vision Steering Committee, Spring 2001.

University City Area Council Strategic Plan & Visioning Committee, February, 2000-2005.

Planning and Zoning Board, Chair, Town of Harrisburg, NC, 1996-present; reappointed to second three-year term, June, 1999.

Steering Committee, Town of Harrisburg Highway 49 Corridor Strategic Plan, 1999-present.

Steering Committee, Unified Development Ordinance for Cabarrus County, 1998-present

Directed an inventory of existing plans for Charlotte's inner city neighborhoods covered in the University's Department of Housing and Urban Development Community Outreach Partnership Centers Program (COPC) Grant, June, 1999.

Directed student project development of a tax parcel data base for Charlotte's inner city neighborhoods to be used by Habitat for Humanity and the Lakewood Neighborhood Community Development Association in conjunction with the University's Department of Housing and Urban Development Community Outreach Partnership Centers Program Grant, June, 1999.

(With Jerry Ingalls) Conducted a Land Use Survey of Huntersville's Historic Magla Mill Site and provided the Huntersville Planning Department with mapped and electronic land use data, as well as written recommendations for land use at the site. Conducted an inventory and rating of scenic cultural resources in the Huntersville Town Sphere of Influence and provided the Town Planning Department with that data. The finished products are to be used by the Town to implement policies of rural and small town preservation. These activities were conducted as a class project in Urban Field Methods (GEOG 4000) Course, during the 1998 special summer term.

Land Use Survey of the Town Of Harrisburg for Cabarrus County Planning Department, Fall 1997. Conducted as a Class project in Urban Planning Methods (GEOG 4210) Course, November 8, 1997.

Field survey of physical barriers for bicycle and pedestrian route plan of downtown Matthews, for Town of Matthews Planning Department, Summer 1997. Conducted as a Class project in Urban Planning Methods (GEOG 4210) Course, June 15, 1997.

Presentation of Conditions and Recommendations for Eastwood Forest Community to Town Council, Town of Matthews, April 28, 1997. Study undertaken as Geography 3210 class project, Spring 1997 semester.

Met with Eastwood Forest Neighborhood Organization to identify planning issues and to share results of Geography 3210 class land use, housing, and code violation survey of their neighborhood, March and April, 1997.

Met with Crestdale Community to initiate discussions of Crestdale Neighborhood Preservation Plan, Matthews, January 4, 1996.

Met with Crestdale Community focus group for review of recommendations on Crestdale Neighborhood Preservation Plan, Matthews, February 1, 1996.

Presentation of Recommendations for Crestdale Community Plan to Town Council, Town of Matthews, December 12, 1994.

Crestdale Community Plan Update and Recommendations, Town of Matthews, undertaken as Geography 4210 class project, Fall 1994.

Organized and Moderated 6th Grade Geography Bee with UNCC graduate students at Newell Elementary School for Geography Awareness Week, November 15, 1994.

Invited Commencement Speaker, Project Discovery, an Appalachian Youth Pre-college Program for economically disadvantaged/first generation college-bound high school students, Abingdon, VA, May 14, 1994.

Fall, 1993-Spring 1994 Departmental Liason with Newell Elementary School for UNCC's Adopt a School Program.

Fall, 1993-Spring 1994. Provided Newell teachers with classroom materials from the National Geographic Society and the North Carolina Geographic Alliance.

Moderated 6th Grade Geography Bee at Wesley Chapel Elementary School, January 11, 1994.

Land Use Survey, mapping, and recommendations for downtown revitalization for the Planning Department, Town of Cornelius, undertaken as a Geography 4210 class project, Fall 1993.

Organized and Moderated 6th Grade Geography Bee with UNCC graduate students at Newell Elementary School for Geography Awareness Week, November 16, 1993.

Presentation, "Latin America's Cultural Geography and Economic Development" for 75 6th grade social studies students, Wesley Chapel Elementary School, April 20, 1993.

Fall, 1991-Spring 1992 Departmental Liason with Newell Elementary School for UNCC's Adopt a School Program; provided Newell teachers with classroom materials, organized UNCC graduate students for Newell School Geography Awareness Week activities, and outlined long-term support and programs with Newell Faculty.

Land Use Survey and mapping, Lake Norman Peninsula Areas for Planning Department, Town of Cornelius, undertaken as Geography 4210 class project, Fall, 1992.

Moderated School Geography Bee for National Geography Awareness Week at Wesley Chapel Elementary School, Union County, December 5, 1991.

Presentation , "North Carolina's Cultural Landscapes" for National Geography Awareness Week to 350 4th, 5th and 6th grade students at Bain Elementary School, December 3, 1991.

Land Use Survey, mapping, and recommendations for future land use in recently annexed area for the Planning and Community Development Department, City of Concord, undertaken as Geography 4210 class project, Fall 1991.

Presentation, " Cultural Landscapes as a Theme in Geographic Awareness" for National Geography Awareness Week to 50 students at Northwest Cabarrus High School, November 15, 1990.

Presentation, "North Carolina's Geography " for National Geography Awareness Week to 300 4th, 5th and 6th grade students at Matthews Elementary School, November 13, 1990.

Judge, North Carolina Competition, National Geography Bee, Sponsored by the National Geographic Society, Chapel Hill, March 30, 1990.

Presented plans for the North Carolina Geographic Alliance/ National Geographic Society 1990 Summer Geography Institute at the North Carolina Social Studies Annual Meeting, High Point, NC, February 22, 1990.

Presentation, "Careers in Geography" for National Geography Awareness Week to 150 students at Northwest Cabarrus High School, November 14, 1989.

Presentation, "Plate Tectonics and the Global Geography of Landforms" to 200 Science and Geography students at Northwest Cabarrus High School, August 31, 1989.

Small Area Plan for Charlotte's Cherry neighborhood for Charlotte-Mecklenburg Planning Commission, undertaken as Geography 3200 class project, Spring, 1989.

Presentation, "North Carolina's Geography" for National Geography Awareness Week to 75 Fourth Graders at Berryhill Elementary School, November 15, 1988.

Presentation, "North Carolina's Geography" to 200 Fourth Graders at Nation's Ford Elementary School, October 3, 1988.

Student Enrichment Program, "Map Use and Map Compilation" for students at Eastover Elementary School, January 15, 22, and 29, 1988.

Presentation, "North Carolina's Weather" to Kindergarten class at Tuckaseegee Elementary School, January 14, 1988.

Presentation, "North Carolina Geography" to Third and Fourth grade students at Nation's Ford Elementary School, October 8, 1987.

Judge, Charlotte-Mecklenburg Public Schools Science and Engineering Fair, March 19, 1986.

Judge, A.T. Allen Elementary School Science Fair, March 12, 1986.

Presentation, "Rock and Minerals Weathering" to 30 4th and 5th Grade Students, Collinswood Elementary School, February 20, 1986.

Presentation, "Major Rock Types" to 25 First Graders, Belmont Elementary School, February 18, 1986.

Judge, Cabarrus County Public Schools Science Fair, May 29, 1985.

Presentation, "Rock Types and Landforms" to 60 second grade students at Asbury Elementary School, Lincoln County, May 12, 1985.

Judge, Charlotte-Mecklenburg Public Schools Science and Engineering Fair, March 8, 1985.

Presentation, "Soil Formation and the Development of Mineral Clays" to 110 students at Newell Elementary School, March 7, 1985.

Provided locational details from topographic maps and aerial photographs for Lutheran Churches in Charlotte, Fall, 1984.

E. Consulting Activities

Charlotte-Mecklenburg YMCA, Northeast Mecklenburg Feasibility Study, December 10, 1988 (with Gerald Ingalls and Sallie Ives)

F. Professional Service

Local Arrangements Committee, 60th SEDAAG Meeting: acted as liason between the Program Committee and the Local Arrangements Committee Chair. This was an unusual circumstance due to communications difficulties following Hurricane Katrina, affected the Program Chair, at the Univ. of Southern Mississippi.

Appointed to the Editorial Board Appointed to the Editorial Board of the *Journal of Geography*, January, 2005.

Elected as Southeastern Division of the Association of American Geographers Regional Councilor to the Association of American Geographers, July, 2005-2008.

External review of Katie Algeo for promotion to Associate Professor, Western Kentucky University: review provided to Professor David Keeling, Chair, Department of Geography and Geology

Co-chair, Local Arrangements Committee, SEDAAG 2003.

Past President, Southeastern Division of the Association of American Geographers, 2002-2003

President, Southeastern Division of the Association of American Geographers, 2000-2001

Chair, Southern Studies Committee, Southeastern Division of the Association of American Geographers, 2002-present

Member, Editorial Board, *The North Carolina Geographer*, 1998 - present

Organized and Chaired (with Owen Furueth) Environmental and Sustainable Planning Paper Sessions for the 22nd Annual Applied Geography Conference, Charlotte, NC, October 13-16, 1999

Vice President and Program Chair, Southeastern Division of the Association of American Geographers, 1997-1998

Local Arrangements Committee, 1996 Annual Meeting, Association of American Geographers, Charlotte, NC.

Editorial Associate, *The North Carolina Geographer*, 1996-1998

Southern Studies Committee, Southeastern Division of the Association of American Geographers, 1994-present

Chair, Honors Committee, Southeastern Division of the Association of American Geographers, 1994

Executive Committee, North Carolina World Geography Bowl, 1995-present

At-Large Steering Committee Member, North Carolina Geographical Society 1993-1994

Honors Committee, Southeastern Division of the Association of American Geographers, 1993-1994

Chair, Publications Committee, North Carolina Geographical Society, 1993

Local arrangements committee, North Carolina Chapter, American Planning Association 16th Annual Summer Planning Institute, July 8-10, 1992.

North Carolina state representative to the Executive Committee of the Southeastern Division of the Association of American Geographers, 1991-1992

Board of Directors American Indian Specialty Group, the Association of American Geographers, 1991-1992

President, North Carolina Geographical Society, 1991; elected to second term in 1992

Audit Committee, Southeastern Division, Association of American Geographers, 1990

Local Arrangements Chair, Annual Meeting of the North Carolina Geographical Society, UNCC, October 26-27, 1990

Vice President, North Carolina Geographical Society, 1990

Local Arrangements Committee, 13th Annual Applied Geography Conference, Charlotte, NC, October 24-27, 1990

Organized and Chaired Regional Development Paper Session for the 13th Annual Applied Geography Conference, Charlotte, NC, October 24-27, 1990

Co-chaired and organized Special Paper Session for the AAG Native American Specialty Group for the Annual Meeting of the Association of American Geographers, Toronto, April 19-22, 1990

Member, Steering Committee, North Carolina Geographical Society, 1989

Committee of Tellers, Southeastern Division Association of American Geographers, 1989

Local Arrangements Committee, 42nd Annual Meeting, Southeastern Division, Association of American Geographers, Charlotte, NC, Nov.21-23, 1987

V. Publications and Research (15 publications to Fall 2006.)

A. Refereed and Reviewed Publications

1. Books

Ross, Thomas E. , Tyrel G. Moore, and Laura King, eds. *A Cultural Geography of North American Indians, Second Edition*. Southern Pines, NC: Cairo Hollow Press, 1995.

Ross, Thomas E. and Tyrel G. Moore, eds. *A Cultural Geography of North American Indians* Boulder, CO: Westview Press, 1987.

2. Chapters in Books

Ingalls, Gerald L. and Moore, Tyrel G. "A Visual Resource Methodology for Small Town and Rural Preservation," pp. 441-454 in: Beesley, K.B., Millward, H., Ilbery, B. and Harrington, L., eds. *The New Countryside: Geographic Perspectives on Rural Change*. Brandon University (Manitoba) and Saint Mary's University (Nova Scotia), 2003.

Moore, Tyrel G., "Deindustrialization and Rural Restructuring in Southern West Virginia," pp. 123-133 in Walford, Nigel, and Napton, Darrell, eds. *Reshaping the Countryside: Perceptions and Processes of Rural Change*. . CAB International, Wallingford, UK., 1999.

Moore, Tyrel G. and Thomas E. Ross, "Native Americans in the Carolinas," pp. 47-51. in D. Gordon Bennett, ed. *Snapshots of the Carolinas*, Association of American Geographers, 1996.

Moore, Tyrel G., "Economic Development in Appalachian Kentucky, 1800- 1860," pp. 222-234 in Robert D. Mitchell, ed. *Appalachian Frontiers: Settlement, Society & Development in the Preindustrial Era* Lexington: the University Press of Kentucky, 1991.

Ross, Thomas E. and Tyrel G. Moore, "Indians in North America," pp. 3-12 in Ross, Thomas E. and Tyrel G. Moore, eds. *A Cultural Geography of North American Indians* Boulder, CO: Westview Press, 1987.

3. Articles

Moore, Tyrel G, " Public Policy and Appalachia's Low-income Counties: An Analysis of Regional Dynamics, 1965-2000," Invited for publication in a special issue of the *Journal of Geography*, Vol. 104, No. 2 (May, 2005), pp. 49-59.

Ingalls, Gerald L. and Moore, Tyrel G, "Old But New: An Inventory of Textile Mill Reuse in the Charlotte Urban Region, the *Southeastern Geographer*, Vol. 41, No.1 (May, 2001), pp. 74-88.

Moore, Tyrel G., "A Southern West Virginia Mining Community, Revisited" *Southeastern Geographer*, Vol. 38, No. 1 (May, 1998), pp. 1-21.

Moore, Tyrel G. and Donald L. Mitchell, "Strange Worlds and Familiar Places: The National Geography Standards and Rethinking Geographic Education," *The North Carolina Geographer* , Volume 3, (1994), pp. 47-56.

Moore, Tyrel G., "Core-Periphery Models, Regional Planning Theory, and Appalachian Development" *The Professional Geographer*, Volume 46, Number 3 (August, 1994) pp. 316-331.

Moore, Tyrel G., "Rural Planning Progress in a Persistent Problem Area: the Central Appalachian Example" *Progress in Rural Policy and Planning* Volume IV (1994) pp. 17-32.

Moore, Tyrel G., "Eastern Kentucky as a Model of Appalachia: the Role of Literary Images" *Southeastern Geographer*, Volume 31, Number 2 (November 1991), pp. 75-89.

Moore, Tyrel G., "Development and Change in Appalachian Kentucky's Economy, 1870-1890" *Southeastern Geographer*, Volume 30, Number 2 (November 1990), pp. 122-139.

Moore, Tyrel G., "The Role of Ferryboat Landings in East Tennessee's Economic Development, 1790-1890," *The Southeastern United States: Essays on the Cultural and Historical Landscape*, West Georgia College Studies in the Social Sciences, Volume XVIII, (1979), pp. 1-8.

4. Reports

Presented SEDAAG Regional Councillor's Report at the Spring 2006 AAG Council Meeting, March 5, 2006. published in the *AAG Newsletter*.

Presented SEDAAG Regional Councillor's Report on the Fall 2005 AAG Council Meeting at the SEDAAG Business Meeting, Nov. 22, 2005. published in the Spring 2006 *SEDAAG Newsletter*.

Presented SEDAAG Regional Councillor's Report at the Fall 2005 AAG Council Meeting, November 19, 2005. published in the *AAG Newsletter*.

(with Owen Furueth) "2001 City of Charlotte Housing Quality Survey," Charlotte Neighborhood Development-Key Business, September, 2001

Moore, Tyrel G., Report of the Vice President, Southeastern Division of the Association of American Geographers "The Fifty-Third Meeting: Memphis, Tennessee," *Southeastern Geographer*, Volume 39, Number 1. (May, 1999), pp. 114-115

Moore, Tyrel G., Report of the Vice President, Southeastern Division of the Association of American Geographers "The Golden Anniversary Meeting: Birmingham, Alabama," *Southeastern Geographer*, Volume 38, Number 1. (May, 1998), pp. 88-89.

Moore, Tyrel G., "Report of the Honors Committee," *Southeastern Geographer*, Volume 35, Number 1. (May, 1995), pp. 98-101.

5. Other

Moore, Tyrel G., "Service-Based Learning: UNCC's Service Area as a Classroom," Presentation for UNC Charlotte's Teaching Week, September, 8, 2003.

Presentation (with James Cook, Susan Rogers, and David Langford) "HUD Community SUPPORT Program," UNCC Spotlight on Research Series, September, 2001

Invited lecture, "Economic and Demographic Change in Appalachia," Emory & Henry College, October 25, 1996.

Invited presentation "Cultural and Economic Development Issues in Appalachia's Geography," for 75 First-year students at the West Virginia School of Osteopathic Medicine, Lewisburg, West Virginia, September 9, 1993.

Invited Session Chair and Discussant, "Vernacular Architecture on the Frontier," at conference, "Cultural Diversity on the Virginia Frontier," Emory&Henry College, October 10-11, 1992. Included researched presentation on conference themes and discussion of two papers.

Invited presentation on Planning Methods Education at UNCC, Panel Session on Planning Methods Education in North Carolina's Universities at the 1992 Annual Meeting of the North Carolina Planning Association, April 14, 1992. Included presentation and discussion of planning curricula at universities across the state.

Ross, Thomas E. and Tyrel G. Moore, "Mining Landscapes of Appalachia," Slide set and narrative text published by the National Council on Geographic Education, 1990.

B. Review Activity

1. Manuscript Reviews

10 manuscript reviews for the *Professional Geographer*, *Journal of Geography*, *Southeastern Geographer*, 2003-2005.

Review of manuscript, "Migration and Rural Labor Markets," for the *Professional Geographer*, July 2002.

Review of manuscript, "Churchscapes in Appalachia: Examples from Minnifree County Kentucky," for the *Southeastern Geographer*, September, 2001.

Review of manuscript, "From Theory to Implementation: An Analysis of the Appalachian Regional Commission's Growth Center Policy," for *Environment and Planning A*, August, 2000.

Review of manuscript, "Linking Community -Based Service-Learning to Undergraduate Geography Education," for the *Journal of Geography*, February, 2000.

Review of manuscript, "Appalachian Kentucky: Some Comments Concerning Poverty and the Nature of the Banking Network in the Region," for the *Southeastern Geographer*, September, 1996.

Review of "Who is Being Served? North Carolina Regions in a New Age," for *The North Carolina Geographer*, December, 1995.

Review of "Landscape and Disease in the Carolinas" for Association of American Geographers, *Snapshots of the Carolinas*, September, 1995.

Review of "The Charlotte Urban Region" for Association of American Geographers, *Snapshots of the Carolinas*, August, 1995.

Review of "AIDS in the Carolinas" for Association of American Geographers, *Snapshots of the Carolinas*, August, 1995.

Review of manuscript "Isolation and Economic Change in Appalachian Kentucky" for *Southeastern Geographer*, February, 1993.

Review of "Aquaculture as a Rural Economic Development Strategy: the Southeastern North Carolina Example" for *The North Carolina Geographer*, March, 1992.

Review of "Measuring Imbalances in a State's Local Labor Markets and Implications for Rural Labor Market Policy" for the *Journal of Rural Studies*, April, 1991.

Southeastern Division of the Association of American Geographers paper reviews:

Session Chair of Southern Studies Session and Discussant of three papers presented at the 58th Meeting of the Southeastern Division of the Association of American Geographers, Charlotte, NC, November 22- 24, 2003.

Discussant, "Mammoth Cave and the Making of Place," by Katie Algeo, paper presented at the 57th Meeting of the Southeastern Division of the Association of American Geographers, Richmond, VA, November 22, 2002

Discussant, "Cybercities in the Periphery," by Sunita George and Raymond Greene, paper presented at the 56th Meeting of the Southeastern Division of the Association of American Geographers, Lexington, KY, November 20, 2001.

Discussant of "Konnarock, Virginia: Logging Camp to Covenant Community" by Edward Davis, at the 1996 Annual Meeting of the Southeastern Division of the Association of American Geographers, Athens, GA, November 25, 1996.

Discussant of "Place and Social Process in the Separation of Space in Shaker Communities" by Jeff Jones and , 1995 Annual Meeting, Southeastern Division of the Association of American Geographers, Knoxville, TN, November 20, 1995.

Invited discussant of "Performed Landscapes: A Case Study of Back River Gully, Barbados" by Randi Horner, special session, 1992 Annual Meeting, Southeastern Division of the Association of American Geographers, Louisville, KY, November 23, 1992.

2. Published Book Reviews in Refereed Journals

Moore, Tyrel G., Review of *Two Worlds in the Tennessee Mountains: Exploring the Origins of Appalachian Stereotypes* by David C. Hsiung. Lexington, Kentucky: University Press of Kentucky, 1997 *Southeastern Geographer*, Vol. 39, No. 1, (May, 1999). pp. 120-121.

Moore, Tyrel G., Review of *The Great Migration In Historical Perspective: New Dimensions of Gender, Race, and Class* edited by Joe William Trotter, Jr. Bloomington: Indiana University Press, 1991. *Journal of Rural Studies*, Vol. 9, No. 2, (1993), pp. 192-193.

Moore, Tyrel G., Review of *To Build in a New Land: Ethnic Landscapes in North America* edited by Allen Noble, Baltimore: The Johns Hopkins Press, 1992. *The Professional Geographer*, Volume 45, Number 3, (August, 1993), pp. 378-379.

Moore, Tyrel G., Review of *Rock Fences of the Bluegrass* by Carolyn Murray Wooley and Karl Raitz, Lexington: The University Press of Kentucky, 1992. *Southeastern Geographer*, Volume 32, Number 2 (November, 1992), pp.172-174.

Moore, Tyrel G., Review of *South Carolina: A Geography* by Charles Kovacic and John J. Winberry, Boulder: Westview Press, 1987. *Southeastern Geographer*, Volume 27, Number 2 (November, 1987), pp.133-135.

3. Other Review Activity

Moore, Tyrel G., Review of *Student Atlas of World Geography* by John L. Allen for Dushkin/McGraw-Hill Publishing Co. August, 1998.

Moore, Tyrel G., review of research grant proposal, "Economic Networks Among Rural Appalachian Women," for West Virginia University, February, 1997.

Moore, Tyrel G., Final review of *Physical Geography: A Landscape Appreciation, 2nd Edition* by T. L. McKnight for Prentice-Hall Publishing Co., January, 1988.

Moore, Tyrel G., Final review of manuscript Essentials of Physical Geography 3/E by Gabler, et al. for Saunders College Publishing, February, 1986.

Moore, Tyrel G., Review of manuscript, The Challenge of the Environment: An Introduction to Physical Geography by Michael Bradshaw for Prentice-Hall, Inc., June, 1984.

Moore, Tyrel G., Manuscript review of "Climate and Soils" in *Encyclopedia of Climatology* John E. Oliver, ed., Hutchinson Ross Publishing Co., November, 1983.

Moore, Tyrel G., Manuscript review of "Stemflow" in *Encyclopedia of Climatology* , John E. Oliver, ed., Hutchinson Ross Publishing Co., March, 1983.

Moore, Tyrel G., Manuscript review of "Drought" in *Encyclopedia of Climatology*, John E. Oliver, ed., Hutchinson Ross Publishing Co., October, 1982.

C. Non-Refereed Publications

Articles Published in Proceedings

Martin, Walter, Moore, Tyrel G. and Morgan John T., "Professor Leonard W Brinkman, Mentor in the Historical Geography of Appalachia," *Proceedings Tenth Conference on Appalachian Geography*, 2002. pp. 1-5.

Moore, Tyrel G. and Ross, Thomas E., "West Virginia's Cultural Landscape: The Legacy of Coal Mining," Fourth Conference On Appalachian Geography, (1988) *Proceedings*, pp. 71-74.

Moore, Tyrel G., "Home Manufactures in Appalachian Kentucky's Agricultural Economy, 1840-1870," Third Conference on Appalachian Geography, (1986) *Proceedings*, pp. 107-115.

Moore, Tyrel G., "Appalachian Agriculture in the Nineteenth Century: Examples from Eastern Kentucky," Conference on Appalachian Geography, (1981) *Proceedings*, pp. 67-78.

Laboratory Manuals

Moore, Tyrel G., "Global Climate Patterns and Climate Classification," a new laboratory exercise for the Earth Science 1101 Laboratory Manual., 1989.

Moore, Tyrel G., "Observation of Local Weather Conditions, Relationships Between Temperature and Relative Humidity," a new laboratory exercise for the Earth Science 1101 Laboratory Manual, 1989.

Revised Earth Science 1101 Laboratory Manual, January, 1989 edition.

Revised Earth Science 1101 Laboratory Manual, January, 1988 edition.

Moore, Tyrel G., and Steila, Donald (1984) "North Carolina's Soils" in *Earth Science in North Carolina*, Donald Steila, ed. UNCC Department of Geography and Earth Sciences, 1984.

Reports

Moore, Tyrel G., Report of Progress, National Science Foundation Grant, "A Training Program for Teacher-Learning of Materials Development Skill in the Earth Sciences," Washington, National Science Foundation, March, 1987.

D. Papers Presented at Professional Meetings (**38 presentations to Fall, 2006**) (* denotes refereed paper)

Moore, Tyrel G, and Gerald L. Ingalls, "A Place for Old Mills in a New Economy: Textile Mill Reuse in the Charlotte Metro Region," Paper presented in a specially organized session on Economic Restructuring in the U.S. South at the 102nd Meeting of the Association of American Geographers, Chicago, IL, March 8, 2006.

Moore, Tyrel G, and Gerald L. Ingalls, "Old But Newsworthy: Textile Mill Reuse in the Charlotte Urban Region, 2001-2005," Paper presented at the 60th Meeting of the Southeastern Division of the Association of American Geographers, West Palm Beach, FL, November 21, 2005.

Ingalls, Gerald L. and Moore, Tyrel G., "Textile Mill Adaptive Reuse in the Charlotte Urban Region," Invited Paper presented in the Keynote Session of the Preservation North Carolina Annual Conference, Gastonia, NC, October 26, 2005.

Moore, Tyrel G., and Strickland, Jamie, "Continuity and Change in a Rural Region: Economic Structures in Central Appalachia's Distress Counties," poster presented at the 59th Meeting of the Southeastern Division of the Association of American Geographers, Biloxi, MS, November 21- 23, 2004.

Moore, Tyrel G, "Defining Appalachia: Public Policy and Regional Dynamics in Appalachia's Low-income Counties, 1965-2000," Invited paper presented at the 89th Annual meeting of the National Council for Geographic Education, Kansas City, KS, October 22, 2004.

Moore, Tyrel G , Invited panelist, "Planning Education and Practice in North Carolina" 47th Annual North Carolina Planning Conference, Asheville, NC, Sept. 24, 2004

Moore, Tyrel G., Ingalls, Gerald L., and Ives, Sallie M., "Rural and Small Town Planning via Service-Based Learning," paper presented at the 100th Meeting of the Association of American Geographers, Philadelphia, PA, March 19, 2004.

Strickland, Jamie L., Furuseth, Owen J., Ingalls, Gerald L., and Moore, Tyrel G., "Applying Geography in a New South City: the Case of UNC Charlotte," poster exhibited among Geography Departmental Histories at the 100th Meeting of the Association of American Geographers, Philadelphia, PA, March 16-18, 2004.

Martin, Walter, Moore, Tyrel G. and Morgan John T., "Professor Leonard W. Brinkman, Mentor in the Historical Geography of Appalachia," presented in a Special Session in Honor of Professor Leonard W. Brinkman, 10th Conference on Appalachian Geography, Pipestem, WV, March 1, 2002.

Moore, Tyrel G., and Paul D. Smith, "The Rural Rebound in Central Appalachia," paper presented in a joint Contemporary Agriculture and Land Use and Population Specialty Group Special Session at the 97th Annual Meeting of the Association of the American Geographers, New York, NY, March, 2001.

Ingalls, Gerald L., and Tyrel G. Moore, "Old But New: An Inventory of Textile Mill Reuse in the Charlotte Urban Region," paper presented at the 2000 Meeting of the Southeastern Division of the Association of American Geographers, Chapel Hill, NC, November, 21, 2000. Refereed Abstract published in meeting program. *

Moore, Tyrel G., and Gerald L. Ingalls, "Heritage, Identity and Sense of Place, in Small Towns," paper presented at the 96th Annual Meeting of the Association of the American Geographers, Pittsburgh, PA, March, 2000.

Ingalls, Gerald L., and Tyrel G. Moore, "An Inventory of Textile Reuse and Small Town Heritage in the Charlotte, NC Region," paper presented at the 96th Annual Meeting of the Association of the American Geographers, Pittsburgh, PA, March, 2000.

Moore, Tyrel G., "Rural-Urban Fringe Dynamics and Growth in a Small North Carolina Town," paper presented at the Conference on Applied Geography, Charlotte, NC, October 13-16, 1999.

Ingalls, Gerald L., and Tyrel G. Moore, "A Visual Resources Inventory The Anglo-Canadian-American Symposium on Rural Geography, Truro, Nova Scotia, July, 1999.

Moore, Tyrel G., and Paul D. Smith, "Economic Structures in Central Appalachia's Distressed Counties," paper presented at the Ninth Conference on Appalachian Geography. Pipestem, WV, March 13, 1999.

Moore, Tyrel G., "Sustainability and Appalachia's Distressed Counties: Historic Contexts from Appalachian Kentucky," paper presented at the 94th Annual Meeting of the Association of the American Geographers, Boston, MA, March 22, 1998.

Lentz, Rodger H., Moore, Tyrel G., and Ingrish, Kathi R., "The Crestdale Neighborhood Conservation Plan," paper presented at the 93rd Annual Meeting of the Association of American Geographers, Fort Worth, TX, April, 1997.

Moore, Tyrel G., "Sustainability Issues in Appalachia: Challenges to Sustainability as Illustrated by Poverty and Migration," paper presented in Contemporary Agriculture and Rural Land Use Specialty Group Panel on Sustainability Issues in Rural Areas, 92nd Annual Meeting of the Association of American Geographers, Charlotte, NC, April 11, 1996.

Moore, Tyrel G., "Appalachian Development Highways and Appalachian Migration," paper presented at the Eighth Conference on Appalachian Geography, Pipestem, WV, March 23, 1996.

Moore, Tyrel G., "A Southern West Virginia Mining Community Revisited," paper presented at the 1995 Annual Meeting of the Southeastern Division of the Association of the American Geographers, Knoxville, TN, November 20, 1995. Refereed Abstract published in program. *

Moore, Tyrel G., "De-industrialization and Southern West Virginia," paper presented at the The Anglo-Canadian-American Symposium on Rural Geography, Charlotte, NC, July , 1995.

Moore, Tyrel G. and Tobin T. Bradley, ""Rural Poverty Rates and Appalachian Economic Structures," paper presented at the 1995 Annual Meeting of the Association of American Geographers, Chicago, IL, March 17, 1995.

Moore, Tyrel G., "Planning, Appalachian Development Highways, and Appalachian Migration," paper presented at the 1994 Annual Meeting of the Association of American Geographers, San Francisco, CA, April 2, 1994.

Moore, Tyrel G., and Strickland, Jamie L., "Spatial Bias and Regionalization in Public Notions of Appalachia," paper presented at the Seventh Conference on Appalachian Geography, March 19, 1994.

Moore, Tyrel G., "Core-Periphery Models, Regional Planning Theory, and Appalachian Development" paper presented at the 89th Annual Meeting of the Association of American Geographers, Atlanta, GA, April, 6-10, 1993.

Moore, Tyrel G. and Arbogast, Allen, "Regional Planning Strategies: Economic Conditions in Southern West Virginia, 1980-1990," paper presented at the Sixth Conference on Appalachian Geography, Pipestem, WV, March 28, 1992.

Moore, Tyrel G., "Eastern Kentucky as a Spatial Model of Appalachia," paper presented at the 46th Annual Meeting of the Southeastern Division of the Association of American Geographers, Asheville, NC , November 24-26, 1991. Refereed Abstract published in program. *

Moore, Tyrel G., "Eastern Kentucky as a Model of Appalachian Development: 1870-1990," paper presented at the Annual Meeting of the Association of American Geographers, Miami, FL, April 13-17, 1991.

Moore, Tyrel G., "Imagery and Reality in Defining Appalachia as a Region of Poverty," paper presented at the 45th Annual Meeting of the Southeastern Division of the Association of American Geographers, Columbia, SC, November 22, 1990. Refereed Abstract published in program. *

Moore, Tyrel G., "Population Change and Regional Development in Appalachian Kentucky, 1870-1930," paper presented at the 86th Annual Meeting of the Association of American Geographers, Toronto, April 22, 1990.

Moore, Tyrel G., "The Emergence of Appalachian Regionalism: Economic Conditions In Appalachian Kentucky During the Great Depression," paper presented at the Fifth Conference on Appalachian Geography, Pipestem, WV, March 24, 1990.

Moore, Tyrel G., "The Subsistence Stereotype in Appalachian Agriculture," paper presented at the 85th Annual Meeting of the Association of American Geographers, Baltimore, MD, March 22, 1989.

Moore, Tyrel G., "Structural Shifts in Appalachian Kentucky's Economy, 1870-1890," paper presented at 43rd Annual Meeting, Southeastern Division, Association of American Geographers, Mobile, Alabama, November 20, 1988. Refereed Abstract published in program. *

Moore, Tyrel G., and Ross, Thomas E., "West Virginia's Cultural Landscape: The Legacy of Coal Mining," paper presented at the Fourth Conference on Appalachian Geography, Pipestem, West Virginia, March, 18, 1988.

Moore, Tyrel G., "Barriers to Geographic Literacy in Our Public Schools" paper presented at the 41st Annual Meeting, Southeastern Division, Association of American Geographers, Lexington, KY, Nov. 25, 1986. Refereed Abstract published in program. *

Moore, Tyrel G., "Home Manufactures in Appalachian Kentucky's Agricultural Economy, 1840-1870," paper presented at the Third Conference on Appalachian Geography, Pipestem, WV, March 15, 1986.

Moore, Tyrel G., "Geographical Changes in the Mining and Marketing of Eastern Kentucky Coal, 1880-1920," paper presented at 39th Annual Meeting, Southeastern Division, Association of American Geographers, Birmingham, AL, Nov. 20, 1984. Refereed Abstract published in program. *

Moore, Tyrel G., "Stream Crossings in the Development of the East Tennessee Highway System," paper presented at the Annual Meeting of the Popular Culture Association in the South, Knoxville, TN, Oct. 6, 1984.

Moore, Tyrel G., "Appalachian Agriculture in the Nineteenth Century: Examples from Eastern Kentucky," paper presented at the First Conference on Appalachian Geography, Pipestem, WV, October 2-3, 1981.

Moore, Tyrel G., "Resources in Eastern Kentucky's Economic Development, 1800-1840," paper presented at the 35th Annual Meeting of the Southeastern Division, Association of American Geographers, Blacksburg, VA, November 24, 1980. Refereed Abstract published in program. *

Moore, Tyrel G., "Unemployment in Kentucky Counties: Spatial Dimensions of the 1980 Recession," paper presented at the Geography Section, Kentucky Academy of Science 66th Annual Meeting, Lexington, KY, November 7-8, 1980.

Moore, Tyrel G., "The Role of Ferry Crossings in East Tennessee's Transportation Network, 1790-1890," paper presented at the 31st Annual Meeting of the Southeastern Division, Association of American Geographers, Fredericksburg, VA, November 22, 1976. Refereed Abstract published in program. *

E. Research Grants (total of approximately \$825,000 to Fall, 2006)

Town of Matthews Planning Department, "Site Design and Development Plan for Crestdale Station" Spring 2004, \$4,800

Town of Matthews Planning Department, "Downtown Redevelopment Plan Standards" Spring 2003, \$4,800.

Research team member, Charlotte Department of Transportation, Mecklenburg-Union County Metropolitan Planning Organization (MUMPO) Regional Employment, Land Use and Population Data Collection and Projections, Phases I and II (Paul Smith, P.I.) January, 2003. \$45,000.

Research team member, Charlotte Department of Transportation, Mecklenburg-Union County Metropolitan Planning Organization (MUMPO) Regional Employment, Land Use and Population Data Collection and Projections, Phase III (Jerry Ingalls, P.I.) March, 2003. \$200,000.

Advisory team member, Charlotte Department of Transportation, Regional Land Use Technical Advisory Team (Vicki Bowman, P.I.) December 2002, \$145,000.

Town of Harrisburg, "User's Guide for Town of Harrisburg Unified Development Ordinance," Town of Harrisburg, Fall 2002, \$5,000.

Highway 49 Corridor Study, Town of Harrisburg, Summer-Fall 2000, \$8,100.

Greenway and Bikeway Connectivity Study, Phase II, Town of Matthews, Fall 2000, \$4,500.

Greenway and Bikeway Connectivity Study, Phase I, Town of Matthews, Spring 2000, \$4,500.

Plans for Parkwood and Matheson Avenue Corridors, section of "Community Outreach Partnership Centers Program", US Department of Housing and Urban Development, \$400,000, awarded September, 1998. James Cook and Sondra Fogle are the Principal Investigators. The Community Planning component that I will conducted is written into the grant for a total of \$39,399 including matching funds. Class projects, stipulated in the program, began in the summer of 1999.

Graduate Assistantship, Town of Matthews, \$5,133, May, 1996.

Internship: Crestdale Community Plan for the Town of Matthews, \$4,300, January, 1996.

North Carolina Geographic Alliance/National Geographic Society Summer Geography Institute," \$41,432, June, 1994.

(with Donald Steila and Gail Gibson) "A Training Program for Teacher-Learning of Materials Development Skill in the Earth Sciences," National Science Foundation, \$100,000, May 8, 1985.

VI. Honors and Awards

Teaching:

Gamma Theta Upsilon Outstanding Mentor Award, Inaugural Award presented by Geography students, Department of Geography and Earth Sciences Annual Award Banquet, University of North Carolina at Charlotte, May, 2005.

University of North Carolina Board of Governors Award for Excellence in Teaching, 2004

Bank of America Award for Excellence in Teaching, 2003

Faculty Honors Outstanding Service Award, Southeastern Division of the Association of American Geographers, 2003

Distinguished Teaching Achievement Award, National Council for Geographic Education, 2001 (one of 10 granted in the U. S. and Canada)

Selected (with Owen J. Furuseth) as Mentor by 2002 Outstanding Alumni Award Senior, Penelope Karagounis

Selected as Mentor by 2001 Outstanding Alumni Award Senior, Joseph Morris

Finalist, Bank of America Teaching Excellence Award, 2000 (one of five University-wide)

Selected as Mentor by 1999 Outstanding Alumni Award Senior, Todd M. Shanley

Selected as Mentor by 1998 Outstanding Alumni Award Senior, John B. Fout

Selected as Mentor by 1990 Outstanding Alumni Award Senior, Sherry Helms

Student Awards:

President of Iota Chapter, Gamma Theta Upsilon, 1974-75 academic year, University of Tennessee

National Council for Geographic Education award for outstanding scholarship in Geography, April 1, 1968, Western Kentucky University.

VII. Professional Affiliations

Association of American Geographers

Southeastern Division, Association of American Geographers

American Geographers

Rural Development Specialty Group, Association of American Geographers

North Carolina Geographical Society

North Carolina Geographic Alliance

CURRICULUM VITAE

Deborah Anne Strumsky

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Charlotte, North Carolina 28262
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Education

2004	PhD , Regional Science, Cornell University
1999	Master's in Regional Science , Cornell University
1996	Bachelor of Science , Economics, University of Southern Maine

Research Interests

- Determinants of the knowledge worker mobility within the United States and to the United States from other countries. The affects of knowledge worker mobility on firm level productivity, the business cycle and varying level of high technology.
- Spatial distribution and dynamics of venture capital activity in the United States. Specifically, the study of the detailed mechanisms, social processes and social networks necessary to successfully connect local pools of venture capital, entrepreneurs and regional clusters of inventive activity.
- How the varying characteristics of firms, organizations, and social institutions interact to create clusters of innovation. How these clusters are sustained, evolve and scale with local industry, R&D investment and population.
- Applications and extension to spatial econometric techniques and methods.

Employment

August 2007 - present	University of North Carolina – Charlotte, Charlotte, NC Assistant Professor , Department of Geography and Earth Science
June 2003 – July 2007	<u>Harvard Business School</u> , Cambridge, Massachusetts Statistician/Analyst , Department of Research and Faculty Development
April 2002 – June 2003	<u>Energy Security Analysis, Inc.</u> , Wakefield, Massachusetts Energy Analyst , Electric Power Markets & Natural Gas Division
May 2001 – March 2002	<u>BiosGroup Inc.</u> , Santa Fe, New Mexico Consulting Scientist

Summer 2000	<u>Georgia Institute of Technology Aerospace Systems Design Laboratory</u> , Atlanta, Georgia Visiting Researcher
Fall 1997 – Summer 1999	<u>Cornell University</u> , Ithaca, New York Graduate Research Assistant , Institute for Civil Infrastructure Systems, Cornell University
Fall 1996 – Spring 1997	<u>Cornell University</u> , Ithaca, New York Graduate Research Assistant
February 1993 – November 1994	<u>Massachusetts General Hospital</u> , Boston, Massachusetts Patient Accounts Representative , Accounting Department

Publications

Strumsky, D., M. Marx and L. Fleming (2007) “Noncompetes and Inventor Mobility: Specialists, Stars, and the Michigan Experiment.” Harvard Business School Working Paper No. 07-042 (forthcoming *Management Science*.)

Bettencourt, L., D. Strumsky and J. Lobo (2007) “Invention in the City: Increasing Returns to Scale in Metropolitan Patenting.” *Research Policy*, 36, 107–120.

Strumsky, D., and J. Lobo (2005) “Metropolitan Patenting, Inventor Agglomeration and Social Networks: A Tale of Two Effects.” Santa Fe Institute Working Paper 05-02-2005. (Forthcoming in *Journal of Urban Economics*.)

Drennan, M., J. Lobo and D. Strumsky (2004) “An Application of the Unit Root Test to the Question of Income Convergence Across U.S. Metropolitan Areas.” *Journal of Economic Geography*, 4, 583-595.

Drennan, M., S. Larsen, J. Lobo, D. Strumsky and W. Utomo (2002) “Sectoral Shares, Specialization and Metropolitan Wages in the United States, 1969-1996.” *Urban Studies*, 39, 1129-1142.

Reports

“Venture Capital Activity: How Local is Local?,” with J. Lobo

“An Analysis of U.S. Patents in Nanotechnology 1980 – 2005,” with J. Lobo (prepared for the Center for Nanotechnology in Society, Arizona State University)

In Preparation

“Spatial Convergence and Spillovers in American Invention: 1975-2006” (with Breandan Ohuallachain).

“The Firm Level Affects of Non-Compete Contracts,” (to be submitted *Industrial and Corporate Change*).

“Tacit Knowledge, Inventiveness and Team Dynamics” with J. Lobo (to be submitted *Organization Science*).

“Spatial Clustering of U.S. Retail Banking Activity and Retail Bank Performance” with D. Campbell

Research Affiliations

2004 – present	Santa Fe Institute Working Group on Urban and Organizational Scaling.
1999 – 2001	Interdisciplinary Graduate Fellowships in Nonlinear Systems, Cornell University.

Computer Skills

I am very proficient in the use of the following applications, programs and languages (and can provide instruction in their use): Matlab, SQL, SAS (Base SAS, SAS Enterprise Miner, SAS GIS and SAS Maps), S-Plus and S-Plus Spatial Statistics, GEODA, Econometric Views, Stata, ArcGIS (ArcInfo/ArcView including the Spatial Analysis Toolboxes), MapInfo, Unix Shell Programming (in Emacs), Latex, Scientific Workplace, Gauss, Mathematica, UCINET, Pajek, HTML/XHTML (with CSS), Java, C++, C, and Perl.

RICHARD J. BUTTIMER JR.

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buttimmer@email.uncc.edu

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Concord, NC 28027
(704) 720-7803

EDUCATION

University of Georgia	Real Estate	Ph.D.	1993
University of Georgia	Finance	B.B.A.	1987

ACADEMIC EXPERIENCE

The University of North Carolina at Charlotte

Associate Professor	2002-Present
Director of MS in Mathematical Finance Program	2003-Present
Director of Ph.D. in Business Administration	2006-Present

Graduate School of Business (EGADE), Tech de Monterrey, Mexico

Visiting Professor	Summer 2003
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The University of Texas at Arlington

Assistant Professor	1993-1998
Associate Professor	1999-2002
Gould-Mayfield Professor of Real Estate	2000-2002
Director of MS Real Estate Program	1996-2002

University of Georgia

Research Assistant	1989-1993
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ACADEMIC HONORS AND AWARDS

Editorial Board Member, <i>Real Estate Economics</i>	2004-Present
Editorial Board Member, <i>The Journal of Real Estate Finance and Economics</i>	1998-Present
Associate Editor, <i>The Journal of Real Estate Literature</i>	2001-2006
College of Business Administration Distinguished Academic Research Award The University of Texas at Arlington	1998
Paul W. Greene Memorial Award for Excellence in Graduate Teaching	1996
Society of Industrial and Office Realtors (SIOR) Manuscript Award for "Best Industrial Real Estate Paper", 1994 Annual Meeting of the American Real Estate Society	1994
University-Wide Assistantship, The University of Georgia Graduate School	1990-1993
Enhancement Award, Regents of the University System of Georgia	1990-1993
Comer Fellowship, Terry College of Business Administration	1989-1992
Summer Research Grant, Terry College of Business Administration	1990-1992
Harwood Memorial Scholarship, Real Estate Educators Association	1990

PUBLICATIONS

“Land Development: Risk, Return and Risk Management” with S. P. Clark and S. H. Ott, forthcoming, 2007. *The Journal of Real Estate Finance and Economics*.

“Commercial Real Estate Valuation, Development, and Occupancy Under Leasing Uncertainty,” with S.H. Ott. 2007. *Real Estate Economics*. 35(1): 21-56.

“Valuing U.S. and Canadian Mortgage Servicing Rights with Default and Prepayment”, with C. C. Lin. 2005. *Journal of Housing Economics*. 14:194-211.

“GSE Impact on Rural Mortgage Markets,” with B.W. Ambrose. 2005. *Regional Science and Urban Economics*. 35(4): 417-443.

“REITs, IPO Waves, and Long-Run Performance,” with D. C. Hyland and A. B. Sander. 2005. *Real Estate Economics*, 33(1):51-88.

“The Chinese Housing Provident Fund”, with A. Y. Gu and T. Y. Yang. 2004. *International Review of Real Estate*. 7(1):1-30.

“A New Spin on the Jumbo-Conforming Loan Differential,” with B.W. Ambrose and T. Thibodeau. 2001. *The Journal of Real Estate Finance and Economics*. 23(3): 309-336.

“Embedded Options in the Mortgage Contract,” with B. W. Ambrose. 2000. *The Journal of Real Estate Finance and Economics*. 21(2): 95-111.

“Government Hedging: Motivation, Implementation, and Evaluation” with S. Swidler and R. Shaw. 1999. *The Journal of Public Budgeting and Finance*. 19(4): 75-90.

“Foreign Equity Options and Exchange Rate Volatility” with S. Swidler. 1999. *Emerging Markets Quarterly*, pp. 1-7.

"The Informational Content of US Listed Options on Foreign Equity Securities: The Case of Telmex and the Peso Devaluation" with S. Swidler. 1998. *The Journal of International Financial Markets, Institutions & Money*. 8(2):189-204.

"A Contingent Claims Analysis of Real Estate Listing Contracts." 1998. *The Journal of Real Estate Finance and Economics* 16(3): 257-268.

"Industrial Rent Determinants in the Dallas/Fort Worth Area" with R. C. Rutherford and R. Whitten. 1997. *The Journal of Real Estate Research*, 13(1):47-56.

"Pricing Mortgage Default and Foreclosure Delay" with B. W. Ambrose and C. Capone. 1997. *The Journal of Money, Credit and Banking*. 29(3):pp.314-325.

"Determinants of Performance for Mortgage-Backed Securities Funds" with J. G. Gallo, L. J. Lockwood, and R. C. Rutherford. 1997. *Real Estate Economics*, 25(4): 657-682.

"A Model for Pricing Securities Dependent on a Real Estate Index" with J. B. Kau and V.C. Slawson. 1997. *The Journal of Housing Economics*, 6(1):16-30.

"An Examination of the Role of Security Clauses and Deposits in Residential Lease Contracts" with M. T. Allen and N. Waller. 1995. *The Journal of Real Estate Finance and Economics*, 10(3): 271-283.

"An Alternative Trinomial Formulation for One-Factor Term Structure Models" with W. J. Muller III and R. Reeves. 1995. *The Journal of Financial Engineering*, 4(1): 1-10.

GRANTS/CONTRACTS RECEIVED

Wachovia Corporation, *Risk Management Project for Evergreen Investments*, 2006. Principal Investigator.

National Center for Real Estate Research, *Adequate Public Facilities Ordinances: Examining the Impact on Housing Affordability*, with Steve Ott and Dustin Read, 2005. Participated in grant through the UNC Charlotte Center for Real Estate. Grant Size: \$30,000.

National Association of Industrial and Office Properties. 2005. "*Adequate Public Facilities Ordinances and Impact Fees: Examining the Impact on Commercial Development.*" Participated in grant through the UNC Charlotte Center for Real Estate. Grant size: \$2,500.

Foundation for the Carolinas. 2005. "*Adequate Public Facilities Ordinances and Impact Fees: Examining the Impact on Housing Affordability.*" Participated in grant through the UNC Charlotte Center for Real Estate. Grant Size: \$25,000.

The Crosland Foundation. 2005. "*Applying Tax Increment Financing in the Charlotte-Mecklenburg Region*" Participated in grant through the UNC Charlotte Center for Real Estate. Grant size: \$25,000.

Federal Housing Finance Board, *Mortgage Prepayment Modeling Issues*, with T. Y. Yang, 2003.

U.S. Department of Housing and Urban Development, *GSE Rulemaking Support, Estimation of Guarantee Adjusted Spreads*, with The Urban Institute, 2003.

U.S. Department of Housing and Urban Development, *GSE Impact on Rural Mortgage Markets*, with B. W. Ambrose, 2001-2002.

Mortgage Bankers Association of America, *A Reexamination of the Conforming Loan-Rate Differential*, with B. W. Ambrose and T. Thibodeau, Summer 2000.

PricewaterhouseCoopers Endowment for the Business of Government, *The Role of Financial Risk Management in Government*, Summer, 2000.

Research Enhancement Program Grant, The University of Texas at Arlington, Summer, 1998.

PAPERS UNDER REVIEW

WORKING PAPERS AND RESEARCH IN PROGRESS

“Estimation of Stochastic Dynamics from Sparsely Observed Derivatives: Evidence from the CME Home Equity Markets”, with L. Baran and S. Clark.

“Housing Development, Slow Growth Policies and Leviathan Government”, with S. Clark.

“Are Real Estate Mutual Funds Redundant?”, with D. C. Hyland and A. B. Sanders.

“The Economic Effects of Infrastructure Regulation”, with S.P. Clark and S. H. Ott.

“A Generalized Real Options Model of Residential and Commercial Land Development”, with S.P. Clark and S. H. Ott

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

“Land Development: Risk, Return and Risk Management” with Steven Clark and Steve Ott, Cambridge-UNC Charlotte Symposium on Property Derivatives and Risk Management, Cambridge, June 2006.

“IPO’s and Mutual Fund Returns” with D. C. Hyland and A. B. Sanders, 2006 Annual Meeting of the American Real Estate and Urban Economics Association, Boston, January 2006.

“Commercial Real Estate Valuation, Development, and Occupancy Under Leasing Uncertainty”, with S. Ott. American Real Estate and Urban Economics Association International Meeting, Los Cabos, Mexico, August, 2005

“Housing Development, Slow Growth Policies and Leviathan Government”, with S. Clark, Cambridge-Maastricht Real Estate Symposium, Cambridge, England, June, 2005.

“Valuing, Leasing and Developing Commercial Real Estate with Stochastic Vacancy”, with S. Ott, 2005 Annual Meeting of the European Real Estate Society, Dublin, Ireland, June, 2005.

“Housing Development, Slow Growth Policies and Leviathan Government”, with S. Clark, European Real Estate Society, 2005 Annual Meeting of the European Real Estate Society, Dublin, Ireland, June, 2005.

“Valuing, Leasing and Developing Commercial Real Estate with Stochastic Vacancy”, with S. Ott, 2005 Annual Meeting of the American Real Estate and Urban Economics Association, Philadelphia, PA, January, 2005.

“Affordable Lending Goals and Valuation of GSE Credit Guarantees”, With Charles Calhoun, 2004 International Meeting of the American Real Estate and Urban Economics Association, Fredericton, New Brunswick, Canada, July, 2004.

“An Options-Based Model of Mortgage Servicing Rights”, with Che-Chun Lin, 2004 Annual

Meeting of the European Real Estate Society, Milan, Italy, June, 2004.

“The Long-Run Returns of REIT IPOs”, with David C. Hyland and Anthony B. Sanders, 2002 Annual Meeting of the Financial Management Association, Denver, Colorado, October, 2003.

“GSE Impact on Rural Mortgage Markets”, with Brent W. Ambrose, Joint meeting of the American Real Estate and Urban Economics Association and the European Real Estate Association, Krakow, Poland, June, 2003.

“The Chinese Housing Provident Fund”, with A. Y. Gu and T. Y. Yang, 2003 Annual Meeting of the American Real Estate and Urban Economics Association, Washington, January 2003.

“The Long-Run Returns of REIT IPOs”, with David C. Hyland and Anthony B. Sanders, 2002 Annual Meeting of the American Real Estate Society, Naples, FL, April, 2002.

“GSE Impact on Rural Mortgage Markets”, with Brent W. Ambrose, 2002 Annual Meeting of the American Real Estate and Urban Economics Association, Atlanta, GA, January, 2002.

“A New Spin on the Jumbo-Conforming Loan Differential”, with Brent W. Ambrose and Tom Thibodeau, presented at the 2000 joint meeting of the European Housing Research Network and the American Real Estate and Urban Economics Association, Gavle, Sweden, June, 2000.

“Upward Only Adjustable Leases” with B.W. Ambrose and P. H. Hendershott, 1998 joint meeting of the American Real Estate and Urban Economics Association and the European Real Estate Association.

“Embedded Options in the Mortgage Contract” with B. W. Ambrose, 1998 American Real Estate and Urban Economics Association.

“Government Option Hedging: Motivation, Implementation, and Evaluation” with R. Shaw and S. Swidler, 1996 Southern Finance Association Annual Meeting, November, 1996.

“Specific Measures of Competing Risks in Corporate Bonds” with B. W. Ambrose and V. C. Slawson, 1996 Financial Management Association Annual Meeting, October, 1996.

“Pricing Mortgage Delay and Default” with B. W. Ambrose and C. Capone, 1996 Southwestern Finance Association Annual Meeting, March, 1996.

“The Pricing of U.S. Listed Options on Mexican Securities” with S. Swidler, 1995 Southern Finance Association Annual Meeting, November 1995.

“On the Distinction Between Default and Foreclosure on the Value of Mortgage Default” with B. W. Ambrose and C. Capone, 25th annual Financial Management Association Meeting, October, 1995.

“A Model for Pricing Securities Dependent on a Real Estate Index” with J. B. Kau and V.C.

Slawson, 11th annual American Real Estate Society meeting, March, 1995.

“Industrial Rent Determinants in the Dallas/Fort Worth Area" with R. C. Rutherford and R. Whitten, 10th annual American Real Estate Society meeting, April 1994. Awarded "Best Industrial Real Estate Paper" prize by the Society of Industrial and Office Realtors.

“Neural Networks, Nonlinear Specifications, and Industrial Property Values" with A. L. Brunson and R. C. Rutherford, 10th annual American Real Estate Society meeting, April 1994.

“The Pricing of Derivative Mortgage Securities: a Comparison of Interest Rate Models" 9th annual American Real Estate Society meeting, April 1993.

Courses Taught

<u>Course Number</u>	<u>Course</u>	<u>Level</u>
At The University of North Carolina at Charlotte		
FINN 3261	Real Estate Finance	Undergraduate
FINN 6210	Derivatives I	Master
FINN 6211	Fixed Income Derivatives	Master
MBAD 6160	Real Estate Capital Markets	Master
MBAD 6132	Financial Decision Making	Master
BPHD 8240	Derivatives	Doctoral
At Tec De Monterrey		
	Financial Modeling	Master
At The University of Texas at Arlington		
REAE 5319	Real Estate Finance	Master
REAE 5311	Real Estate Principals	Master
REAE 5392	Real Estate Readings	Master
REAE 4319	Real Estate Finance	Undergraduate
REAE 3325	Real Estate Principals	Undergraduate
FINA 6311	Theory of Corporate Finance	Doctoral
FINA 5392	Financial Modeling	Master and Doctoral
FINA 5327	Options and Futures	Master
FINA 5324	Seminar in Financial Theories	Master
FINA 5529	Seminar in Securities Analysis	Master
FINA 3313	Introductory Finance	Undergraduate

Graduate Students

<u>Student</u>	<u>Level</u>	<u>Served As</u>	<u>Status</u>	<u>Year</u>
Xiao Chen Zhao	Masters (Economics)	Chair	In Progress	2006
Weiren Ju	Masters (Economics)	Chair	In Progress	2006
Nusanne Meekagong	Doctoral (Finance)	Chair	Completed	2002
Richard Elsassauer	Masters (Real Estate)	Chair	Completed	2002
Cary Lin	Doctoral (Real Estate)	Chair	Completed	2001
John St. Clair	Masters (L. Arch.)	Committee Member	Completed	2001

Steve Isbell	Masters (Real Estate) Chair	Completed	2000
John Brookby	Masters (Real Estate) Chair	Completed	2000
Sheri Faircloth	Doctoral (Real Estate) Chair	Completed	1997
Parvez Ahmed	Doctoral (Finance) Committee Member	Completed	1996
Lisa Schwartz	Doctoral (Finance) Committee Member	Completed	1996
Maggie Garcia	Doctoral (Finance) Committee Member	Completed	1996
Ron Shaw	Doctoral (Finance) Committee Member	Completed	1995
James Foley	Masters (Real Estate) Committee Member	Completed	1993

ACADEMIC SERVICE

Conference Organizer, Cambridge-UNC Charlotte conference on Real Estate Hedging (Summer, 2006)	2005-2006
Program Director, Ph.D. in Business Administration, UNC-Charlotte	2006-Present
Program Director, MS in Mathematical Finance, UNC-Charlotte	2003-Present
Chair, Management Department Chair Search Committee	2005-2006
Chair, Finance Department Personnel Committee	2005-2006
Chair, Finance Department Recruiting Committee	2005-2006
Program Committee, 2005 American Real Estate and Urban Economics International Meeting.	2005
Session Chair, 2005 American Real Estate and Urban Economics International Meeting.	2005
Ph.D. in Business Administration Committee, UNC-Charlotte	2002-2005
Session Chair, 2003 FMA Annual Meeting	2003
Panel Discussant, "Financial Risk Management in Government", 2003 FMA Annual Meeting	2003
Session Chair, 2003 AREUEA International Meeting	2003
MS Mathematical Finance Program Committee, UNC-Charlotte	2002-2003
Chair, Departmental Curriculum Committee, UNC-Charlotte	2002-2003
Graduate Assembly, University of Texas at Arlington	2000-2002
Program Policy Committee, University of Texas at Arlington	2000-2002
Session Chair, 2000 AREUEA Annual Meeting	January, 2000
Session Chair, 2000 ARES Annual Meeting	March, 2000
AREUEA/ARES Web Task Force	1998-1999
Ph.D. Coordinator, Department of Finance and Real Estate University of Texas at Arlington	2000-2002 1997-1998
Graduate Advisor, M.S. in Real Estate Program, University of Texas at Arlington	2000-2002 1996-1998
Ad-hoc reviewer for	
<i>The Financial Review</i>	
<i>The Asian Real Estate Journal</i>	
<i>International Real Estate Review</i>	
<i>The Journal of Real Estate Finance and Economics</i>	
<i>The Journal of Banking and Finance</i>	
<i>The Journal of Futures Markets</i>	
<i>The Journal of Real Estate Research</i>	
<i>The Journal of Real Estate Literature</i>	

<i>The Journal of Financial Engineering</i>	
<i>The Journal of Housing Research</i>	
<i>Real Estate Economics</i>	
Chair, Departmental Computer Committee	1996-1998
Chair, College Research Software Committee	1997
Information and Information Resources Committee	1995-1998
College of Business, University of Texas at Arlington	
Advisor to The Real Estate Group, University of Texas at Arlington	1993-1996
Session Chair, 1995 Southern Finance Association Meeting	1995
Departmental Computer Committee	1994-1996
M.S. in Finance Feasibility Committee	1994-1995
Essay Grading for Dallas Treasury Management Association	
Scholarship Contest	1994
Assistant Faculty Advisor to Rho Epsilon	
Real Estate Fraternity, University of Georgia	1992
Developed the Fixed Income Securities Trading Simulator (FITS),	1991
a real-time computer based Mortgage Backed Securities trading system	
used for instruction in MBA level Real Estate Finance classes at	
the University of Georgia.	

BUSINESS EXPERIENCE

PricewaterhouseCoopers, L.L.P

1999

Selected Engagements

Financial Risk Management Practice – Practice Lead, January -December, 1999.

Responsible for the business development of a new Financial Risk Management practice within the Washington Consulting Practice of PricewaterhouseCoopers. In conjunction with the practice partner, was responsible for business plan development, budget planning, and staffing. Was also responsible for developing strategic relationships with risk management software vendors.

Federal Agricultural Mortgage Corporation (Farmer Mac) – Project Manager, January -

December, 1999. Farmer Mac is the Federally-chartered corporation created by Congress to establish a secondary market for agricultural real estate and rural housing mortgage loans, and to facilitate capital market funding for U.S. Department of Agriculture guaranteed farm program and rural development loans.

PricewaterhouseCoopers designed and built a prototype capital adequacy model to establish Farmer Mac's risk-based capital requirement. As project manager was responsible for all aspects of the engagement. Specific responsibilities included client management, management of eight PwC consultants, development of agricultural mortgage pricing and default models, as well as presentation and defense of the model to Farmer Mac's regulator, the Farm Credit Administration.

US State Department, Overseas Presence Advisory Panel (OPAP) – Technical advisor,

June-July 1999. OPAP was established by President Clinton to advise the State Department on methods for upgrading US overseas diplomatic facilities. OPAP engaged PwC to design and analyze potential private-sector funding vehicles for this upgrade.

Responsibilities as the technical advisor included designing potential funding vehicles, analyzing their potential benefit to the State Department, and vetting those potential vehicles with various investment banks.

A Large, National Mortgage Bank – Technical advisor, January 1999 – March 1999. PwC was retained by one of the largest mortgage banks in the United States to review their mortgage modeling and hedging operations. Responsibilities as the technical advisor included analyzing and documenting the bank's mortgage prepayment models and mortgage hedging methods.

First Imperial Investors Inc.

1987-1989

Director, Computer Sciences

Developed computer programs to model and price fixed income securities, primarily Mortgage Backed Securities, CMOs, and bond options.

REFERENCES

Dr. Brent Ambrose
Jeffery L. and Cindy M. King Faculty Fellow and
Professor of Real Estate
368 Business Building
The Smeal College of Business
The Pennsylvania State University
University Park, PA 16802
(814) 687-0066

Dr. Anthony Sanders
John W. Galbreath Chair in Real Estate Finance and
Professor of Finance
The Ohio State University
2100 Neil Avenue
Columbus, OH 43210
(614) 688-8609

Dr. Steven Swidler
J. Stanley Mackin Distinguished Professor of Finance
Auburn University College of Business
320 Lowder Business Bldg.
415 W. Magnolia Avenue
Auburn, AL 36849
(334) 844-3014

STEVEN H. OTT
John Crosland, Sr., Distinguished Professor
of Real Estate and Development
Director, The Center for Real Estate at UNC-Charlotte
University of North Carolina at Charlotte
<http://www.uncc.edu/shott/>

ACADEMIC EXPERIENCE

John Crosland, Sr., Distinguished Professor of Real Estate and Development and Professor, Director Center for Real Estate, UNC-Charlotte, 1999-Present.

Associate Professor, Holder of the Kentucky Real Estate Professorship and Director of the Center for Real Estate Studies University of Kentucky, 1998-1999.

Assistant Professor and Director of the Center for Real Estate Studies University of Kentucky, 1992-1998.

EDUCATION

University of Wisconsin-Madison, 1988-1992. Ph.D. in Business, Major in Finance, Minor in Economics.

University of Wisconsin-Madison, 1987. Master of Science in Business, Major in Finance and Real Estate.

University of Wisconsin-Whitewater. 1974-1978. Bachelors of Business Administration, Major in Accounting

PROFESSIONAL EXPERIENCE

Kenneth Leventhal and Company, a real estate consulting firm. 1987-1988.

DREIC Real Estate Group, a real estate developer. 1984-1987.

Grant Thornton International, a public accounting firm. 1980-1984.

Licensed as a Certified Public Accountant, State of Wisconsin, 1979-1988.

TEACHING-COURSES TAUGHT

Corporate Finance (Undergraduate)

Financial Markets (Executive MBA)

Real Estate Principles (Undergraduate)

Real Estate Finance (Undergraduate)

Real Estate Finance and Investment (MBA and Executive MBA)

Real Estate Capital Markets (MBA and Executive MBA)

Real Estate Development (MBA)

Advanced Real Estate Financing (Executive MBA, NAIOP Executive Education)

Applied Real Estate Development (MBA)

Investments (Undergraduate, MBA, and Executive MBA)

Seminar in Financial Theory (Ph.D.)

Seminar in Corporate Finance (Ph.D.)

PUBLICATIONS AND RESEARCH

Refereed Papers Published or Accepted for Publication

Commercial Real Estate Valuation, Development, and Occupancy Under Leasing Uncertainty, co-authored with Richard J. Buttimer, forthcoming in *Real Estate Economics*.

Financial Feasibility of Transit Supportive Development: A Case Study. *Journal of Real Estate Practice and Education* 2005, 7 (1).

Interactions of Corporate Financing and Investment Decisions: The Effect of Growth Options to Replace or Expand, co-authored with Paul D. Childs and David C. Mauer, *Journal of Financial Economics*, June 2005, Vol.76 (3), 667-690.

Finance, Investment and Investment Performance: Evidence from the REIT Sector, co-authored with Tim Riddiough and Ha-Chin Yi, *Real Estate Economics*, Spring 2005, Vol. 33 (1), 203-235.

Effects of Noise on Optimal Exercise Decisions: The Case of Risky Debt Secured by Renewable Lease Income, co-authored with Paul D. Childs and Tim Riddiough, *Journal of Real Estate Finance and Economics*, May 2004, 28(2-3), 109-121.

Optimal Valuation of Noisy Real Assets, co-authored with Paul D. Childs and Tim Riddiough, *Real Estate Economics*, Fall 2002, Vol. 30, (3), 385-414.

Optimal Valuation of Claims on Noisy Real Assets: Theory & an Application, co-authored with Paul D. Childs and Tim Riddiough, *Real Estate Economics*, Fall 2002, Vol. 30, (3), 415-444.

Real Options and Real Estate: A Review and Valuation Illustration. *Real Estate Valuation Theory*, an American Real Estate Society Monograph, 2002, Volume 8, 411-423.

Valuation and Information Acquisition Policy for Claims Written on Noisy Real Assets, co-authored with Paul D. Childs and Tim Riddiough, *Financial Management*, Summer 2001, Vol. 30 (2), 45-75.

Real Options and Development: A Model of Regional Real Estate Supply and Demand, co-authored with Ha-Chin Yi, *Real Estate Finance*, Spring 2001, Vol. 18 (1), 47-55.

The Role of Uncertainty in Investment: An Examination of Competing Investment Models Using Commercial Real Estate Data, co-authored with Tim Riddiough, and Steven Holland, *Real Estate Economics*, Spring 2000, Vol. 28, (1) 33-64.

Agency Costs, Underinvestment, and Optimal Capital Structure: The Effect of Growth Options to Expand, co-authored with David C. Mauer, in M. J. Brennan and L. Trigeorgis (eds.), *Project Flexibility, Agency, and Competition: New Developments in the Theory and Application of Real Options*, 2000, Oxford University Press, pp. 151-179.

Refereed Papers Published or Accepted for Publication (Continued)

On the Optimal Structure of Financial Incentives for Enterprise Zones and Other Locational Development Programs, co-authored with David C. Mauer, *Journal of Urban Economics*, 1999, 45, 421-450.

Capital Budgeting For Interrelated Projects: A Real Options Approach, co-authored with Paul D. Childs, and Alexander Triantis, *Journal of Financial and Quantitative Analysis*, September 1998, 33 (3) 305-334. This paper was reprinted in the book: *Real Options and Investment Under Uncertainty: Classical Readings and Recent Contributions*, edited by E. Schwartz and L. Trigeorgis, MIT Press.

Bias in the Empirical Approach to Calculating Risky Bond and Mortgage Yields, co-authored with Paul D. Childs and Tim Riddiough, *Journal of Real Estate Finance and Economics*, May 1997, 14(3), 263-282.

The Pricing of Multi-Class Commercial Mortgage-Backed Securities, co-authored with Paul D. Childs and Tim Riddiough, *Journal of Financial and Quantitative Analysis* 31(4) December 1996, 581-603.

Uncertain Outlays in Time-to-Build Problems, co-authored with Howard E. Thompson. *Managerial and Decision Economics* 1996, 17 (1), 1-16.

The Value of Recourse and Cross Default Clauses in Commercial Mortgage Contracting, co-authored with Paul D. Childs and Tim Riddiough. *Journal of Banking and Finance*. 1996, 20 (3), 511-536.

Investment Under Uncertainty-The Case of Replacement Investment Decisions, co-authored with David C. Mauer. *Journal of Financial and Quantitative Analysis*, December 1995, 30 (4), 581-605.

The Wealth Effects of Real Estate Transactions: The Case of REITs, co-authored with Willard McIntosh, and Youguo Liang. *Journal of Real Estate Finance and Economics* May 1995, 10 (3), 299-307.

Real Estate Investment Trusts: A Review of the Financial Economics Literature, co-authored with Jack Corgel and Willard McIntosh. *Journal of Real Estate Literature*, 1995, 3 (1), 14-43.

Center for Real Estate Research Reports

- 2006- Applying Tax Increment Financing in the Charlotte-Mecklenburg Region. A report prepared by the Center for Real Estate at UNC Charlotte and the UNC Charlotte Urban Institute.
- 2006 - Alternative Development Strategies for Public Schools: The Financial Implications of Installment Purchase Contracts and Construct-Leaseback Transactions, funded by the Piedmont Public Policy Institute.
- 2006 - Residential Land Development: Risk, Return and Risk Management, funded by the National Housing Endowment.
- 2006 - The Economic Effects of Infrastructure Regulation, funded by the National Center for Real Estate Research
- 2005 - The Effect of Growth Management Strategies: Adequate Public Facilities Ordinances and Impact Fees, A Review of Existing Research, funded by the Crosland Foundation.
- 2005 - Adequate Public Facilities Ordinances in North Carolina: A Legal Review, funded by the Crosland Foundation.

Academic Working Papers/Work in Progress

A Generalized Real Options Model of Residential and Commercial Land Development

Defined Benefit vs. Defined Contribution: Optimal Employee and Employer Retirement Plan Choice, submitted for review to Journal of Labor Economics.

Residential Land Development: Risk, Return and Risk Management, under revision for Journal of Real Estate Finance and Economics

The Economic Effects of Infrastructure Regulation

On demand: Cross-country evidence from commercial real estate asset markets.

Conference Presentations and Session Chairs

American Finance Association, 1996

American Real Estate and Urban Economics, 1994, 1995, 1996, 1997, 1998, 2004(session chair), 2005, 2006

Cambridge-Maastricht Real Estate Symposium, 2002

Cambridge-UNC Charlotte Real Estate Symposium, 2006

Eastern Finance Association, 1993

European Finance Association, 1995, 1996, 2001

French Finance Association, 2003

Financial Management Association, 1994, 1995, 1996, 2001, 2002

International Conference on Real Options, 1997, 1999, 2000, 2005

International Real Estate Society, 2001 (session chair)

Southern Finance Association, 1999 (session chair)

University of South Carolina Berlinberg Scholar Series, 2001

Western Finance Association, 1997

Selected Research Grants, Awards and Fundraising

Charlotte Mecklenburg Development Corporation, 2006

School Construction and Finance Research Grant: awarded by the Piedmont Public Policy Institute for the study of alternative finance strategies for public school facilities, 2006.

Tax Increment Financing Research Grant: awarded by the Crosland Foundation for the study of tax increment financing, 2006.

APFO Research Grant: Research grant awarded by the National Center for Real Estate Research, National Association of Industrial and Office Properties, and the Foundation for the Carolinas for the study of Adequate Public Facilities Ordinances. 2005.

Participated in the Fundraising and Establishment of The Center for Real Estate at UNC Charlotte. Over \$2,000,000 initial endowment coming from varied individuals and institutions.

Research grant awarded for 2005 (\$55,000) by the National Center for Real Estate Research, the National Association of Industrial and Office Properties, and the Foundation for the Carolinas, for Adequate Public Facilities Ordinances and Impact Fees: Examining the Impact on Housing Affordability.

Research grant awarded for 2005 (\$50,000) by the National Housing Endowment: Financial Analysis of Development: Risk and Return in the Presence of Leasing or Sales Uncertainty

Awarded Distinguished Fellow, 2004-2007, National Association of Office and Industrial Properties

Edwin Mills Best Paper Award for 2002, presented by the American Real Estate and Urban Economics Association.

Research grant awarded for 2001 (\$39,500) by the TIAA-CREF Institute, for “The Impact of Retirement Plan Choice on Employer Labor Costs” and Research grant awarded for 2001 (\$59,500) by the TIAA-CREF Institute, for “Defined Benefit vs. Defined Contribution? Determining the Optimal Benefit Plan Choice Using a Real Options Framework.

Research grant awarded for 2000 (\$10,000) by the Center for Applied Real Estate Education and Research, University of South Carolina, for “Using the Real Options Approach to Explain and Predict Development: An Econometric Model of Real Estate Supply and Demand in South Carolina.”

Research grant awarded for 2000 (\$12,000) by the Real Estate Research Institute for “The Cost of Capital for Real Estate Investment Trusts”.

Postdoctoral Award 1998, Homer Hoyt Advanced Studies Institute, Weimer School of Advanced Studies in Real Estate and Land Economics.

Ashland Oil Summer Research Grant for 1996 (\$6500) for “On the Optimal Structure of Financial Incentives for Enterprise Zones and Other Locational Development Programs.”

Research grant awarded for 1996 (\$12,000) by the Real Estate Research Institute for “Leasing Risk, Financing Risk, and Capital Structure Decisions.”

Research grant awarded for 1995 (\$10,000) by the Real Estate Research Institute for “Property Diversification, Risk and Return in CMBS Investment.”

Research grant awarded for 1994 (\$10,000) by the Real Estate Research Institute for “Determinants of Real Estate Development Activity, An Empirical Investigation of the Real Option Model.”

Kentucky Real Estate Commission Education Grants for the 6 fiscal years beginning 6-30-94 and made annually through the year ending 6-30 99 totaling \$254,372.

Selected Applied Research/Consulting/Executive Education

Value at Risk Modeling, Crosland

Cogdell Spencer Advisors, REIT IPO valuation

The Market and Financial Feasibility of Mixed-Use Development in the Charlotte Region

Taught “Real Estate Finance and Capital Markets” for the Executive MBA Program, UNC-Chapel Hill, Summers 2002-2006.

Loan Guarantee Valuation Model for a Land Development Company, Crosland

Valuation Model for REIT Callable Convertible Preferred Stock for AEW Capital Management.

Cost of Capital Analysis for two divisions of Duke Energy Corporation.

Preparation of “A Framework for the Analysis and Evaluation of Venture Capital and Business Acquisition Investments” for East Kentucky Power Cooperative, Inc.

Preparation of a Capital Budgeting Manual for Morgan Stanley Group, Inc.

Preparation of a Report on Investment in Senior Housing for Prudential Real Estate Investors.

A Review of Helium-3 Resources and Acquisition for Use as Fusion Fuel, co-authored with other members of the Fusion Technology Institute. Published in July 1992 issue of *Fusion Technology*.

Economic and Capital Budgeting Analysis of the Use of Lunar Helium-3 as a Fuel in the U.S. Policy, co-authored with Howard E. Thompson, working paper, University of Wisconsin at Madison.

Member of the faculty at the Colorado Graduate School of Banking—1996-2000. Taught “Managing the Investment Portfolio.”

Member of the faculty at the Graduate School of Banking at Louisiana State University—1998-2006: Taught “Financial Markets and Advanced Real Estate Financing

Economic impact study for JDN Development Company, an Atlanta based REIT that analyzed the economic effects of a new retail shopping center in Lexington, Kentucky.

Mortgage pricing and interest rate spread numerical analysis performed for The Analysis Group, a Boston based real estate consulting firm.

Taught Real Estate Financial Analysis for the public planning communities of the Charlotte region 2002-2005. Participants included planners, planning staff and town managers.

Review/Referee Services for Academic Journals

Financial Management
Global Finance Journal
Journal of Applied Business Research
Journal of Banking and Finance
Journal of Economic Dynamics and Control
Journal of Financial Research
Journal of Real Estate Finance and Economics
Journal of Real Estate Portfolio Management
Journal of Real Estate Research
Journal of Urban Economics
Managerial and Decision Economics
Management Science
Real Estate Economics
Real Estate Finance
Review of Financial Studies
Quarterly Review of Economics and Finance

Editorial and Advisory Boards

Real Estate Economics Editorial Board
Journal of Real Estate Portfolio Management Editorial Board
Real Estate Research Institute Advisory Board

SERVICE

University Service

Chair, Ph.D. in Business Administration Planning Committee, 2002-2005
Chair, Belk College Review, Promotion and Tenure Committee 2004-2006
Chair, Associate Dean Search Committee, 2004-2005
Member, Belk College Review, Promotion and Tenure, 2000-2006
Member, Belk College MBA Committee, 2001-2002, 2002-2003
Chair, Department of Finance and Business Law Recruiting Committee, 2002
Chair, Graduate Affairs and Research Committee, 2000-2001, 2001-2002
Member, Department Chair of Economics Search Committee, 2001
Faculty Advisor, MBA Student Orientation Team, 2001

Selected Community Service

Charlotte Mecklenburg Development Corporation: Study of Investment in Charlotte Corridors

Speaker at an Information Session Sponsored by the Federal Reserve Bank of Richmond's Community Affairs Office, "Understanding Real Estate Investment Trust (REIT): Leveraging Private Dollars for Community Revitalization."

Member of the AIA of North Carolina Annual Conference Planning Committee: Future Office, 2004. Session Chair at the Conference: The Economics of Sustainable Design.

Member of National Association of Office and Industrial Properties-Charlotte, Board of Directors, 2004-2006

Honors:

2004-2006: Distinguished Fellow, National Association of Office and Industrial Properties.

Continuing Education (non-compensated)

2004-2006: Urban Land Institute, Taught a course on development

2005-2006: National Association of Industrial and Office Properties, continuing education

Member of Committees

2004-2005 through 2005-2006: National Association of Office and Industrial Properties - Charlotte, Executive Board Member

2002-2004: Urban Land Institute Regionalism Committee, Charlotte Regional District

2000-2001 through 2002-2003: Urban Land Institute Executive Committee, Charlotte Regional District

Member of the operating committee for Resources, Education and Assistance for Community Housing (REACH), a Lexington based nonprofit organization established to provide housing assistance to low-income families and individuals, 1997-1999.

Member of the board of Directors for First African Senior Apartments, a Lexington based nonprofit organization established to rehabilitate an historic Lexington school to be used for low-income senior housing, 1998-1999.

Dustin C. Read, PhD/JD

1717 Nassau Boulevard
Charlotte, North Carolina
(704) 779-5086
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Academic Experience

Clinical Assistant Professor, Department of Finance, Belk College of Business
University of North Carolina at Charlotte, 2007-Present

Associate Director of the Center for Real Estate
University of North Carolina at Charlotte, 2007-Present

Education

PhD in Public Policy, University of North Carolina at Charlotte, 2008

JD, University of Missouri School of Law, 2002, Journal of Dispute Resolution Member

MA in Real Estate, University of Florida, 2000

BS in Business Administration, Truman State University, 1999

Professional Experience

Hulston Investment Corporation, 2004-2006

- Commercial Real Estate Investment Sales

Cushman & Wakefield Alliance, Commercial Carolina Corporation 2003-2004

- Vice President of the Financial Services Group

Missouri Department of Economic Development, 2002

- Legal Clerk for the General Counsel's Office
-

Teaching Experience

- Real Estate Finance (Undergraduate)
- Real Estate Development (Graduate)
- Real Estate Law and Land Use Policy (Graduate)
- Applied Real Estate Development (Graduate)
- Legal Environment in Business (Graduate and Undergraduate)
- International Seminars in Real Estate (IAE LYON 2008-2010)
- Advanced Real Estate Finance (Graduate School of Banking at LSU 2008-2010)
- Basic Real Estate Finance and Investment (Executive Education 2008-2010)
- International Real Estate Study Tours (China, United Arab Emirates, Moscow)

Publications and Research Grants

Refereed Journals:

- “Balancing Competing Values in the Sale and Redevelopment of Publicly Owned Real Estate: A Case Study of the Charlotte Coliseum Disposition”. Co-authored with Suzanne Leland, *Journal of Real Estate Practice and Education*, Forthcoming.
- “The Structure and Potential Economic Effects of Inclusionary Zoning Ordinances.” *Real Estate Issues*, 2009, 34:2.
- “Financial Feasibility of Transit Supportive Development: A Case Study.” Co-authored with Steven H. Ott, *Journal of Real Estate Practice and Education*, 2005, Vol. 8 (1), 169-177.
- “The Uniform Arbitration Act Update.” Co-authored with Jamie Hanson, Daniel L. Massey, and Natalie Voris, *Journal of Dispute Resolution*, 2002, No. 2, 469-520.

Working Papers:

- “Optimal Phasing and Inventories for Large-Scale Real Estate Development Projects.” Co-authored with W. Keener Hughen and Steven H. Ott.
- “The Cost of Concurrency: An Empirical Analysis of the Relationship between APFOs and Single-Family Housing Prices.”
- “Does Sector Matter? Planners’ attitudes regarding politics and competing interests in the planning process.” Co-authored with Suzanne Leland.
- “The Impact of Multifamily Housing on Surrounding Property Values: Parsing Out Negative Externalities”. Co-authored with Steven Billings and Thomas Ludden.
- “The Economic Effects of Infrastructure Regulation.” Co-authored with Richard Buttimer, Steven P. Clark, and Steven H. Ott.

Grants and Applied Research:

- Charlotte Housing Authority research grant awarded to study the supply of affordable housing in the Charlotte region (2009).
- Branch Bank & Trust research grant awarded to study eminent domain and the magnitude of the hold-out problem in the case of land assemblage (2009).
- “Developing a Diverse Housing Stock in University City: An Assessment of the Opportunities and Challenges”. Research grant funded by University City Partners undertaken with the Center for Metropolitan Studies and Extended Academic Programs. (2008)

- “Inclusionary Zoning: Examining the Advantages and Disadvantages in Charlotte, North Carolina”. Research grant funded by Homes for Working Families undertaken with the Center for Metropolitan Studies and Extended Academic Programs for the study of workforce housing issues in the Charlotte-Mecklenburg region. (2008)
- National Association of Industrial and Office Properties (NAIOP) grant awarded to develop a “Basic Real Estate Finance” continuing education course to be distributed nationally to NAIOP chapters. (2007)
- “Paying for Public Infrastructure: Equity in Alternative Tax Regimes.” Center for Real Estate at UNC Charlotte working paper. (2007)
- “The Economic Effects of Infrastructure Regulation.” Center for Real Estate at UNC Charlotte working paper. (2006).
- “Land Development: Risk, Return, and Risk Management.” Center for Real Estate at UNC Charlotte working paper. (2006)
- “Alternative Development Strategies for Public Schools: The Financial Implications of Installment Purchase Contracts and Construct-Leaseback Transactions.” Research grant undertaken with Steven H. Ott awarded by the Piedmont Public Policy Institute. (2006)
- “Applying Tax Increment Financing in the Charlotte-Mecklenburg Region.” Research grant undertaken with principal investigators Steven H. Ott, Gary Rassel, and Vicki Bott awarded by the Crosland Foundation. (2006)
- “Adequate Public Facilities Ordinances in North Carolina.” Research grant undertaken with Steven H. Ott and Richard Buttimer awarded by the National Center for Real Estate Research, National Association of Industrial and Office Properties, and the Foundation for the Carolinas. (2005)
- Charlotte-Mecklenburg Development Corporation Corridors Study. Research grant undertaken with Steven H. Ott to examine the economic development potential of five urban business corridors in Charlotte, North Carolina. (2005)

Academic and Professional Presentations

- IAE Lyon International Research Conference 2010. “Branding Real Estate Submarkets”. January 2010.
- Southeastern Conference of Public Administration 2009 Annual Meeting. “Intergovernmental Management on the Front-Lines: Understanding Municipal Planning Officials’ Attitudes Towards Regional and Cross-Sector Collaboration”. With Suzanne Leland.

- American Real Estate and Urban Economics Association 2009 Mid-Year Meeting. “The Impact of Multifamily Housing on Surrounding Property Values: Parsing Out Negative Externalities”. With Steven Billings and Thomas Ludden. June 2009.
- Association for Public Policy Analysis and Management 2008 Annual Meeting. “Developing a Framework to Analyze the Potential Effectiveness of an Inclusionary Zoning Program.” November 2008.
- Association for Budgeting and Financial Management 2008 Annual Meeting. “An Empirical Analysis of Concurrency Regulations”. October 2008.
- Southeastern Conference of Public Administration 2008 Annual Meeting. “Innovations in Affordable Housing Policy in North Carolina.” September 2008.
- NAIOP 2007 Charlotte Real Estate Forum. “Valuation Fundamentals and Value Add Investing”. October 3, 2007.
- Southeastern Conference of Public Administration 2007 Annual Meeting. “The Cost of Concurrency: The Relationship between Adequate Public Facilities Ordinances and Housing Prices”. September 27, 2007.
- Urban Affairs Association 37th Annual Meeting. “Choosing Homes and Choosing Schools in Charlotte, North Carolina: Lessons from School Choice”. With Andrew D. Baxter and Huili Hao. April 26, 2007.
- Urban Affairs Association 37th Annual Meeting. “Private Ownership of Public School Facilities: Transferring the Risk of Demographic Shifts and Functional Obsolescence”. April 28, 2007.
- North Carolina House of Representatives Select Committee on Public School Construction. “Financing the Construction of Public Schools with Impact Fees and Adequate Public Facilities Ordinances in North Carolina”. December 13, 2006.
- NAIOP 2006 Charlotte Real Estate Forum. “The Real Deal Insight to Public-Private Partnerships.” October 24, 2006.
- Urban Land Institute Regional Conference on School Finance. “The Financial Implications of Installment Purchase Contracts and Construct-Leaseback Transactions”. September 27, 2006.
- UNC Charlotte Urban Institute. “Applying Tax Increment Financing in the Charlotte-Mecklenburg Region”. June 2006.

Service and Professional Designations

- Undergraduate Curriculum Committee, UNC Charlotte, 2009-2010
- Diversity and Inclusion Resource Council, UNC Charlotte, 2008-2009.
- District Council Member, Charlotte Chapter of NAIOP, 2008-Present.
- Member of the North Carolina State Bar, 2003-Present.

VITA

JOHN E. CONNAUGHTON

Education

Ph.D. in Economics, 1981
Northeastern University, Boston, Massachusetts

M.A. in Economics, 1976
Northeastern University, Boston, Massachusetts

B.S. in Economics, 1974
Boston State College, Boston, Massachusetts

Experience

University of North Carolina at Charlotte
Charlotte, North Carolina

Professor of Economics, 1991 – present

Coordinator MS in Economics and Finance 1998 - 2003

Director, North Carolina Economic Forecast, 1982 - present

Director, Center for Business and Economic Research, 1986 - 1991

Associate Professor of Economics, 1984 - 1991

Assistant Professor of Economics, 1981 - 1984

Lecturer in Economics, 1978 - 1981

Publications

Scholarly Publications in Refereed Journals

“Regional implications of the 2001 recession,” with Dr. Ronald A. Madsen, Annals of Regional Science, Vol. 43, No. 2, June 2009.

“Estimating the Economic Impact of Local Cultural Organizations,” with Dr. Ronald A. Madsen and Dr. Rob R. McGregor, Journal of Business & Economics Research, Vol. 6, No. 7, July 2008.

"The Economic Impacts of the North Carolina Motorsports Industry," with Dr. Ronald A. Madsen, Economic Development Quarterly, Vol. 21, No. 2, May 2007.

"Explaining Per Capita Personal Income Differences Between States," with Dr. Ronald A. Madsen, The Review of Regional Studies, Volume 34, No.2, Spring 2005, pp.87-101.

"Assessment of Economic Impact Studies: The Cases of BMW and Mercedes Benz," with Dr. Ronald A. Madsen, The Review of Regional Studies, Vol. 31, No. 3 Winter 2001.

"A Comparison of Regional Forecasting Techniques," with Dr. Ronald A. Madsen, The Review of Regional Studies, Vol. 20, No. 3, Fall 1990, pp. 4 - 11.

"A Comparison of Gross State Product Estimates," with Dr. Ronald A. Madsen, The Journal of Economics, Vol. 16, 1990, pp. 129 - 135.

"The Changing Regional Structure of the U.S. Economy," with Dr. Ronald A. Madsen, Growth and Change, Vol. XXI, No. 3, Summer 1990, pp. 48 - 60.

"Measuring Cyclical Sensitivity in State Performances: 1969-1984," with Dr. Ronald A. Madsen, Regional Science Perspectives, Vol. 17, No. 2, 1987, pp. 14-22.

"Recession and Recovery: A State and Regional Analysis," with Dr. Ronald A. Madsen, The Review of Regional Studies, Vol. 16, No. 2, 1986, pp. 1-9.

"State and Regional Impact of the 1981-82 Recession," with Dr. Ronald A. Madsen, Growth and Change, Vol. 16, No. 3, July 1985, pp. 1-10.

"Explaining Differentials in State Unemployment Rates During Recessions," with Dr. Ronald A. Madsen, Regional Science Perspectives, Vol. 14, No. 1, 1984.

"Research Notes: Benchmark Unemployment," with Dr. Ronald A. Madsen, edited by Robert Fisher, Monthly Labor Review, June 1983.

"Benchmark Unemployment: A Search for the Appropriate Macro Target," with Dr. Ronald A. Madsen, Midsouth Journal of Economics, Vol. 6, No. 3, 1982, pp. 537-541.

Other Scholarly Publications

"Der geringe Organisationsgrad der Arbeitskräfte in den Südstaaten ist aurch ein Anreiz für Auslandsinuesturen, Handelsblatt, Number 204, October 21, 1993. (The German Wall Street Journal).

"North Carolina Gross State Product May Rise Four Percent in 1984," North Carolina, Vol. XLI, No. 11, November 1983, pp. 64-66.

"Charlotte Business Review: FORECAST," Charlotte Business Quarterly, 3rd Quarter 1983, July 1983, pp. 12-15.

"North Carolina to Experience Moderate Recovery in 1983," with Dr. Robert C. Allsbrook, North Carolina, Vol. XLI, No. 4, April 1983, pp. 68-69.

"State's Economy Dropped Fast; Could Enjoy a Fast Comeback," with Dr. Robert C. Allsbrook, North Carolina, Vol. XLI, No. 2, February 1983, pp. 35 - 47.

"Estimating the Economic Impact of Roxbury Community College on John Elliot Square," Monograph, Department of Economics, Northeastern University, Boston, Massachusetts, 1975.

Contract Research Publications

FORECAST, UNC-Charlotte/TIAA-CREF North Carolina Economic Forecast, Volumes 1 - 26, published quarterly from March 1982 through September, 2009.

"The Economic Impact of Film and Video Production and Distribution Industry on The Charlotte Regional Partnership Economic Area in 2008," John E. Connaughton and Ronald A. Madsen, October 2007.

"The Economic Impact of the Grocery Industry on the North Carolina Economy", John E. Connaughton and Ronald A. Madsen, March 2007.

"The Economic Impacts and Occupational Analysis the North Carolina Motorsports Industry for 2005", John E. Connaughton and Ronald A. Madsen, January 2006.

"Economic Impact Study Proposed Arts & Science Cultural Facilities and Wachovia Tower Projects", John E. Connaughton, Ronald A. Madsen, and Rob Roy McGregor, March 2006.

"The Economic Impact of the Affiliated Members of the Charlotte Arts & Sciences Council," (co-authored with Ronald A. Madsen and Rob Roy McGregor), January, 2005.

"The Economic Impact of Motorsports on the North Carolina Economy," (co-authored with Ronald A. Madsen and John M. Gandar), September, 2004.

"The Economic Impact of the Concord Regional Airport," (co-authored with Ronald A. Madsen), August, 2004.

"The Net Economic Impact of the Priority-One Projects of the Charlotte Arts & Sciences Council on the Mecklenburg County Economy," (co-authored with Rob Roy McGregor and Ronald A. Madsen), May, 2004.

"The Economic Impact of the Affiliated Members of the Charlotte Arts & Sciences Council," (co-authored with Rob Roy McGregor), November, 2000.

"The Economic Impact of an Alternative Economic Development Strategy on the Central Park Region of North Carolina," (co-authored with Rob Roy McGregor), Supported by a grant from the North Carolina Zoological Park, The Yadkin/Pee Dee Lakes Project, and The Uwharrie Capital Corporation. December 1999

"The Economic Impact of the Affiliated Members of the Charlotte Arts and Science Council," January, 1999. (Co-authored with Ronald A. Madsen and John Gandar)

The Economic Impact of a Proposed Manufacturing Facility on North Carolina", prepared for the North Carolina Department of Commerce, June, 1997.

"1996 Charlotte Hornets Fan Satisfaction Survey", prepared for the Charlotte Hornets NBA team, June, 1996.

"The Economic Impact of Project Endure on the North Carolina Economy", prepared for The North Carolina Department of Commerce- Business and Industry Division, March, 1996. Report on the economic impact of an international automobile manufacturing plant in North Carolina.

"1996 Charlotte Checkers Fan Value Survey", prepared for the Charlotte Checkers ECHL team, February, 1996.

"1995 Charlotte Hornets Crown Club Survey", prepared for the Charlotte Hornets NBA team, June, 1995.

"Business Incentives in North Carolina: Final Report" Prepared for Governor James B. Hunt, June 1995. (Co-authored with: Edward M. Bergman, William W. Hall, Christopher M. Kimaru, Helen F. Ladd, Molly Mcusic, Gregory Price, John Rees, and Michael Walden.) (The Governors Business Incentives Task Force)

"The Economic Impact of the North Carolina Biopharmaceutical Center," prepared for The North Carolina Department of Commerce and The North Carolina Biotechnology Center, April, 1994 (co-author with Ronald A. Madsen)

"Interstate 40 Economic Impact Study: Final Report," with David T. Hartgen, Alfred W. Stuart, James C. Clay, Wayne A. Walcott, and Ronald A. Madsen. Prepared for the North Carolina Department of Economic and Community Development, November 1991, 50 pages.

"Interstate 40 Economic Impact Study: Twenty-Year Economic Forecast," with Ronald A. Madsen, Center for Business and Economic Research, UNC Charlotte, December 1990, 45 pages.

Estimating the Economic Impact and Net Revenue Benefits of a Superconducting Super Collider in North Carolina, with Dr. Ronald A. Madsen, September 1988, 70 pages.

Summary of North Carolina Occupational Forecasts for Selected Occupational Clusters: State and Regional Results, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 61 pages.

North Carolina Occupational Forecasts through 1990 for Selected Occupational Clusters: State Level Results, Vol. I, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 109 pages.

North Carolina Occupational Forecasts for Selected Occupational Clusters: State Level Results Planning Regions A, B, and C, Vol II, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 215 pages.

North Carolina Occupational Forecasts for Selected Occupational Clusters: State Level Results Planning Regions D, E, and F, Vol III, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 225 pages.

North Carolina Occupational Forecasts for Selected Occupational Clusters: State Level Results Planning Regions G, H, and I, Vol IV, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 228 pages.

North Carolina Occupational Forecasts for Selected Occupational Clusters: State Level Results Planning Regions J, K, and L, Vol V, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 223 pages.

North Carolina Occupational Forecasts for Selected Occupational Clusters: State Level Results Planning Regions M, N, and O, Vol VI, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 216 pages.

North Carolina Occupational Forecasts for Selected Occupational Clusters: State Level Results Planning Regions P, Q, and R, Vol VII, with Dr. Ronald A. Madsen and Dr. John M. Gandar, Center for Business and Economic Research, University of North Carolina at Charlotte, November 1987, 216 pages.

North Carolina Occupational Forecasts for 1985 through 1990 for Selected Occupational Clusters, with Dr. Ronald A. Madsen and Dr. John M. Gandar, (monograph), September 1985, 121 pages.

"FIRST UNION/UNCC FORECAST: State GSP Growth Seen Throughout All of 1985," North Carolina, Vol. XLII, No. 11, November 1984, pp. 44-47.

Papers Presented at Professional Meetings

"Understanding Differential State Expansions Following 1990-1991 and 2001 Recessions," John E. Connaughton and Ronald Madsen, Presented at the Southern Regional Science Association Meetings, San Antonio, Texas , April 2009.

"Estimating the Economic Impact of Local Arts and Sciences: The Charlotte Arts and Science Council Example", John E. Connaughton, Ronald Madsen, and Rob Roy McGregor, Presented at the Southern Regional Science Association Meetings, Charleston, SC, April 2007.

“Regional Implications of the 2001 Recession” John E. Connaughton and Ronald Madsen, Presented at the Southern Regional Science Association Meetings, Charleston, SC, April 2007.

“Estimating Economic Impacts of Local Specialized Industry Clusters on a Local Economy”, John E. Connaughton and Ronald A. Madsen, Presented at the Southern Regional Science Association Meetings, St Augustine, FL, April 2006.

“Estimating Economic Impacts of Industry Clusters on a State Economy: A Motorsports Example,” with Dr. Ronald A. Madsen, Southern Regional Science Association Meetings, Arlington, Va., April 2005.

“Measuring the Net Public Revenue Impacts of Economic Development Projects: New Residential Construction In Forsyth County, North Carolina,” with Dr. Ronald A. Madsen, Presented at the Southern Regional Science Association Meetings, March 12, 2004, New Orleans, LA.

“Explaining State Per Capita Personal Income Differences,” with Dr. Ronald A. Madsen, Southern Regional Science Association Annual Meeting, Washington D.C., April 12, 2002.

"Airline Deregulation and Economic Development," with Dr. Ronald A. Madsen, Southern Regional Science Association Annual Meeting, Austin, Texas, April 7, 2001.

"Economic Development, Major League Sports, and the Southeastern United States" (co-authored with Ronald A. Madsen and Patrick Rische) Southern Regional Science Association Annual Meeting, Austin, Texas, April 7, 2001.

An Economic Assessment of Professional Sports Teams on the Southeastern United States, (co-authored with Ronald A. Madsen and Patrick Rische), presented at the Western Economics Association Meetings, July 1999.

Economic Outlook for North Carolina and Charlotte, (Presented at the Charlotte Chamber of Commerce, Economic Development Council, Charlotte, NC, February 2000.

Assessment of Economic Impact Studies: The Cases of BMW and Mercedes Benz, (co-authored with Ronald A. Madsen), presented at the Southern Regional Science Association Meetings, April, 2000.

"Measuring the Economic Impact of Relocating Firms: The Cost of BMW and Mercedes," with Dr. Ronald A. Madsen, presented at the MidContinent Regional Science Association Annual Meetings, Chicago, Illinois, June 1994.

"Regional Shifts in Manufacturing: Employment, Wages, and Productivity," with Dr. Ronald A. Madsen, presented at the 32nd Annual Southern Regional Science Association Meetings, Washington, D.C., April 1993.

"The Shifting Manufacturing Base of the U.S. Economy," with Dr. Ronald A. Madsen, presented at the Mid-Continent Regional Science Association Annual Meetings, Lexington, Kentucky, May 1990.

"The Changing Regional Structure of the U.S. Economy," with Dr. Ronald A. Madsen, presented at the Midsouth Academy of Economics Annual Meetings, Jackson, Mississippi, February 1990.

"A Comparison of Gross State Product Estimate," with Dr. Ronald A. Madsen, presented at the Missouri Valley Economics Association Annual Meetings, Memphis, Tennessee, February 1990.

"Determinants of State Economic Growth: The Southeaster States," with Dr. Ronald A. Madsen, presented at the Western Economic Association Conference, Vancouver, British Columbia, June 1987.

"A Comparison of Regional Forecasting Techniques," presented at the Western Economic Association Annual Meetings, San Francisco, California, July 1986.

"Measuring Cyclical Sensitivity in State Performance: 1969-1984," with Dr. Ronald A. Madsen, presented at the Southern Regional Science Association Annual Conference, New Orleans, Louisiana, March 1986.

"Recession and Recovery: A State and Regional Analysis," with Dr. Ronald A. Madsen, presented at the Western Economic Association Annual Meetings, Anaheim, California, July 1985.

"How Bad Was It? State and Regional Impact of the 1981-82 Recession," with Dr. Ronald A. Madsen, presented at the Midwest Economic Association Annual Meetings, Chicago, Illinois, April 1984.

"Manufacturing Diversity and State Unemployment," with Dr. Ronald A. Madsen, presented at the fifty-third Annual Conference of the Southern Economic Association, Washington, D.C. November 1983.

"Estimating Benchmark Unemployment for the Eighties," with Dr. Ronald A. Madsen, presented at the ninety-fifth Annual Meeting of the American Economic Association, New York, New York, December 1982.

"The Impact of Rising Secondary Labor Force Participation Rates on Unemployment," with Dr. Ronald A. Madsen, presented at the fifty-second Annual Conference of the Southern Economic Association, Atlanta, Georgia, November 1982.

"Tax Substitution Effects and the Municipal Bond Market," presented at the Fourteenth Annual Meeting of the Mid-Continent Regional Science Association, Vail, Colorado, June 1982.

"Per Capita Service Cost Vis-A-Vis Annexation Policy," with Dr. Gaines H. Liner, presented at the Southern Regional Science Association Annual Meetings, Knoxville, Tennessee, June 1982.

"Industrial Structure and State Unemployment," with Dr. Ronald A. Madsen, presented at the Eastern Economic Association Conference, Washington, D.C., April 1982.

"Benchmark Unemployment: A Search for the Appropriate Macro Target," with Dr. Ronald A. Madsen, presented at the Midsouth Academy of Economists Conference, Nashville, Tennessee, February 1982.

Professional Affiliations

Southern Regional Science Association
President 2009 - 2010
Program Chair 2008 - 2009
Executive Council, 2005 - 2008
National Association of Business Economics
President of Carolina's Chapter, 1993
Vice President of Carolina's Chapter, 1992

Government Special Projects

North Carolina Senate Oversight Committee for Public-Private Partnerships to Meet Department of Revenue Technology Needs. 2009.

North Carolina State University, Institute for Emerging Issues, Financing the Future Project. 2006.

Appointed by Governor James Hunt to the Governor's William States Lee Oversight Committee, 1996 - 1999.

Appointed by Governor James Hunt to the Governor's Task Force on Economic Incentives, 1993 - 1994.

Appointed by Mayor Richard Vinroot to the Mayors International Cabinet, 1993 - 1994.

Appointed by Mayor Richard Vinroot to the Mayor's International Cabinet Strategic Planning Steering Committee, 1993 - 1994.

Professional Consulting

"The Economic Impact of a proposed New Stadium on the Santa Carla County Economy," 2007

"The Economic and Local Revenue Impact of Proposed Uptown Baseball Stadium and Land Swap," 2007

"The Economic Impact of the Daniel Stowe Botanical Garden on the Gaston County Economy in the Fiscal Year 2006," 2007

"The Economic Impact of the Proposed Catalyst Rx North Carolina Location on the State Economy," 2004

"The Economic Impact of the Gerdau Ameristeel plant located in Mecklenburg County," 2003

“The Economic Impact of the U.S National Whitewater Center on the Mecklenburg and Gaston County Economies,” 2003, (National Whitewater Center)

“The Economic Impact of a Proposed Baseball Stadium and Mixed-Use Facility on the Forsyth County, North Carolina Economy,” 2003 (Blue Rhino Corporation)

“The Economic Impacts and Net Revenue Effects of Residential Construction in Forsyth County, North Carolina,” 2002 (Triad Real Estate Coalition)

“The Economic Impacts and Net Revenue Effects of Residential Construction in Davie County, North Carolina,” 2002 (Triad Real Estate Coalition)

“The Economic Impacts and Net Revenue Effects of Residential Construction in Mecklenburg/Union/Cabarrus Counties, North Carolina,” 2000 (REBIC)

“The Economic Impact of a Proposed New Arena for NBA Basketball in Charlotte, North Carolina,” 2000, (The Charlotte Chamber of Commerce)

“The Economic Impact of Johnson C. Smith University on the Mecklenburg County, North Carolina Economy,” 2000, (JCSU)

“The Potential Economic Impact of Electric Power Deregulation on the North Carolina Economy,” 1998, (NCEMPA)

“The Economic Impact of Sports on the North Carolina Economy,” 1997 (North Carolina Department of Commerce)

Facilitator, North Carolina Municipal Power Agency Strategic Planning Project, 1997 (NCEMPA)

“The Economic Impact of the Cable Television Industry on the North Carolina Economy,” 1994 (North Carolina Cable Industry Association)

Facilitator, Davidson County Strategic Planning Project, 1996 (Davidson County)

Facilitator, Lexington Government Budget Review Strategic Planning Project, 1995 (City of Lexington)

“The Economic Impact of the Bioscience Industry on the North Carolina Economy,” 1994 (North Carolina Bioscience Center)

“The Economic Impact of the Sports and Entertainment Center on Raleigh, North Carolina,” 1993. (North Carolina State University)

“The Economic Feasibility of a Multi-Purpose/Senior Citizen Center for Mooresville, North Carolina,” 1992. (The City of Mooresville)

“The Economic Outlook for North and South Carolina for the 1990's,” 1992. (Lufthansa Airlines)

“Economic Impact of the San Bernardino Pavilion,” 1991 (Amphitheater Entertainment Corporation)

“The Economic Outlook for the Hickory, North Carolina Economy,,: 1991 (City of Hickory)

“The Economic Impact of a Proposed NFL Team and Stadium on Charlotte, North Carolina,” 1990. (Richardson Sports Inc.)

“The Economic Impact of the University of North Carolina at Charlotte,” 1990. (UNC Charlotte)

Strategic Planning Facilitator for the City of Lexington, North Carolina, 1989-1991.

“The Economic Impact of the Proposed Charlotte Amphitheatre,” 1989. (Zev Bufman Entertainment)

“The Economic Impact of the Charlotte Hornets,” 1989. (Charlotte Hornets)

“The Economic Impact of Professional Baseball on Hickory, North Carolina,” 1988. (City of Hickory, North Carolina)

“The Economic Impact of the Charlotte Performing Arts Center,” 1987. (Charter Properties, Inc.)

“The Economic Impact of Charlotte Douglas International Airport,” 1987. (Charlotte Chamber of Commerce)

Strategic Planning Facilitator for the City of Hickory, North Carolina, 1986-1986.

“The Economic Impact of a Proposed NBA Team on Charlotte, North Carolina,” 1986. (Shinn Sports Inc.)

“The Market Viability of Professional Sports in Charlotte, North Carolina,” 1986. (Shinn Sports Inc.)

“The Economic Impact of the CVFE Trademart,” 1986. (Carolina, Virginia Fashion Exhibitors)

David T. Young
Associate Professor and Chairman
UNC-Charlotte Department of Civil Engineering
Charlotte, NC 28223

EDUCATION

Ph.D. Virginia Polytechnic Institute and State University, 1985, Department of Civil Engineering
M.S.C.E. Clemson University, 1979, Department of Civil Engineering
B.S.C.E. Clemson University, 1974, Department of Civil Engineering

PROFESSIONAL EXPERIENCE

Registered Professional Engineer in North Carolina and South Carolina

EXPERIENCE

UNC-Charlotte, Department of Civil Engineering: July, 1995 to present - Chairman - overall direction of the department faculty, staff, undergraduate and graduate programs, research, and planning.

UNC-Charlotte, Department of Civil Engineering: July, 1991 to present - Associate Professor - graduate and undergraduate teaching, advising, and research and coordination of the Structures Division in the Department of Civil Engineering.

UNC-Charlotte, Department of Civil Engineering: July, 1985 to June, 1991 - Assistant Professor

Private Consultant: September, 1982 to present - Structures Consultant - structural analysis and design, evaluation, rehabilitation, and protection of existing structures, and investigation of structural failures.

Project Engineer and Project Manager, 1974 to 1982 - Structural Designer - structural analysis and design, preparation of plans and specifications, management of small design projects for several architectural/engineering consulting firms.

PUBLICATIONS (Representative Sample)

Young, D.T. and Gergely, J., "In-plane and Out-of-Plane Behavior of Unreinforced CMU Walls Retrofitted with Composites," Proceedings of 2001 Second International Conference on Engineering Materials, San Jose, California, August 16-19, 2001.

Hooks, J.L., Alchaar, N., Gergely, G, and Young, D.T., "Composite Retrofit of Unreinforced Masonry Walls," Proceedings of Advancing with Composites 2000, Milan, Italy, May 9-11, 2000.

Hooks, J.L., Alchaar, N., Gergely, G, and Young, D.T., "Composite Retrofit of Unreinforced Masonry Walls," Proceedings of SSRS-2 Conference, Fullerton, CA, March, 2000.

Hanks, D.L. and Young D.T., "Accelerated Testing and Mitigation of the ASR Using Class F Flyash," Fourth CANMET/ACI International Conference on Durability of Concrete, Sydney, Australia, August 17-22, 1997.

Young, D.T., Buch, K.K., and Bosley, D.S., "New Processes for Integrating Communication, Design, Teamwork, and Assessment Throughout the Civil Engineering Curriculum," 1997 International Conference on Engineering, Chicago, Ill., August 14-15, 1997.

Young, D.T., Buch, K.K., and Bosley, D.S., "Re-Engineering the Civil Engineering Curriculum," 1997 ASEE Annual Conference, Milwaukee, Wis., June 15-18, 1997.

Dehdasht, A.H. and Young, D.T., "Interlaminar Shearing Stresses in the Collar Joint of Composite Masonry Walls Having Openings," 5th North American Masonry Conference, University of Illinois, Champaign, Ill., June 3-6, 1990, pp. 124-136.

Soltan, E.I. and Young, D.T., "Optimum Design of Load-bearing Masonry Walls," 5th North American Masonry Conference, University of Illinois, Champaign, Ill., June 3-6, 1990, pp. 157-167.

Young, D.T. and Ledbetter, J., "Cost Comparisons of Exterior Wall Systems," published by the Brick Assoc. of N.C. and S.C. and the Carolinas Concrete Masonry Assoc., June, 1990.

Fisher, P.A. and Young, D.T., "A Microcomputer Program for the Design of Masonry Structural Elements," 7th National Conference on Microcomputers in Civil Engineering, Orlando, Florida, November, 8-10, 1989, pp. 241-252.

Young, D.T. and Beyer, J.R., "Recent Developments in Computer-aided Engineering," The Professional Engineer, September-October Issue, 1989, 5-7.

THESES DIRECTED (Representative Sample)

Patel, Sunjay, "Evaluation of ASR Using Carolinas Aggregates in Accordance with ASTM P214," Master's Thesis at UNC-Charlotte, Graduated December, 1994.

Fazleabas, Hussein, "Optimum Design of Concrete Masonry Walls," Master's Thesis at UNC-Charlotte, May, 1994

Homsy, Diana, "Optimum Design of Masonry Columns," Master's Thesis at UNC-Charlotte, May, 1994

Patel, Vinay, "Optimum Design of Composite Steel Beams Using LRFD," Master's Thesis at UNC-Charlotte, May, 1994.

Nagaraju, Chaganty, "The Effects of Polypropylene Fiber on the Strength of Roller Compacted Concrete," Master's Thesis at UNC-Charlotte, May, 1992.

Mihdi, Mohammed, "Fiber Reinforced Masonry Mortars," Master's Thesis at UNC-Charlotte, Graduated May, 1992.

Wang, Jingye, "Effect of Tendon Debonding on Transverse Tensile Stresses in Pretensioned Concrete Girders," Master's Thesis at UNC-Charlotte, Graduated December, 1991.

Walden, Gregory, "The Effect of Fines and Mixture Proportions on the Strength and Density of Roller Compacted Concrete Pavement," Master's Thesis at UNC-Charlotte, May, 1990.

Jaafar, Abd Khalid, "The Effects of Variations in Coarse Aggregate and Fly Ash on the Compressive Strength, Flexural Strength, and Static Modulus of Elasticity of High Strength Concrete," Master's Thesis at UNC-Charlotte, May, 1990.

Assi, Elie, "An Evaluation of the Flexural Behavior of Polypropylene Fiber-Reinforced Concrete," Master's Thesis at UNC-Charlotte, May, 1990.

Al-Qalam, Kamal, "Flexural Strength of Surface-Bonded Concrete Masonry Walls," Master's Thesis at UNC-Charlotte, Graduated May, 1990.

UNIVERSITY SERVICE

Chairman, Department of Civil Engineering, UNC-Charlotte 1995-present
President, College of Engineering Faculty, UNC-Charlotte 1994-1995
Member and chairman, numerous Department, College and University committees,
UNC-Charlotte
Member, UNC-Charlotte Graduate Faculty, 1986-present
Representative, UNC-Charlotte Faculty Council, 1986-1995
Coordinator, Department of Civil Engineering Structures Division, 1985-present
Faculty adviser to NSPE Student Chapter at UNC-Charlotte, 1985-1999

PROFESSIONAL MEMBERSHIPS

American Concrete Institute (ACI) - Carolinas Chapter President, 1993-1994
American Society of Civil Engineers (ASCE) - NC Structures Committee Chairman, 1986-1988
National Society of Professional Engineers (NSPE) - NC Guidance Chairman, 1989-1992
Professional Engineers of North Carolina (PENC) - South Piedmont President, 1993-1994;
State-wide Treasurer, 1997-1999
American Society of Engineering Education (ASEE)

TEACHING EXPERIENCE

Advanced Structural Analysis
Matrix Methods of Structural Analysis
Finite Element Analysis
Theory of Plates and Shells
Structural Dynamics
Structural Optimization
Failure Analysis and Forensic Engineering
Reinforced Concrete Design I and II
Prestressed Concrete Design
Masonry Design
Systems Design I and II
Fracture and Fatigue

CURRENT RESEARCH

Characterization of New Building Materials
Strengthening and Repair of Existing Structures

HONORS and AWARDS

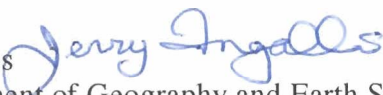
Election to Executive Committee of National Dept. Heads Council for Civil Engr., 1999-present
Distinguished Service Award, PENC, 1997
Young Engineer of the Year, PENC South Piedmont Chapter, 1988
Pratt Engineering Fellowship, VPI, 1982-1983.
John H. Ford Award in Civil Engineering, Clemson, 1974.
Aggregate Producers of SC Scholarship, Clemson, 1973-1974
Chi Epsilon, April, 1972
Tau Beta Pi, April, 1973
Phi Kappa Phi, April, 1973
Full Football Scholarship, Clemson, 1970-1973.

Appendix E: Letters of Faculty Support



Department of Geography
and Earth Sciences
704/687-2293
FAX: 704/687-3182

TO: Dustin C. Read
Associate Director
Center for Real Estate

FROM: Dr. Jerry Ingalls 
Chair, Department of Geography and Earth Sciences

DATE: September 7, 2007

RE: Support for Efforts to Establish a Masters of Science in Real Estate

The Department of Geography and Earth Sciences strongly supports the efforts of the Belk College of Business and the Center for Real Estate in their efforts to establish a Masters of Science in Real Estate. Through our curricula in Location Analysis within the MA in Geography and Community Planning in the Interdisciplinary Community Planning Track within the MA in Geography, we would provide strong complementary coursework to the MSRE. We believe that the MSRE would be a valuable addition to the existing programming at UNC Charlotte and we look forward to future cooperation.



UNC CHARLOTTE

The University of North Carolina at Charlotte
9201 University City Boulevard
Charlotte, NC 28223-0001

College of Architecture
704/687-4841
FAX: 704/687-3353

September 6, 2007

Dr. Steven Ott, Interim Dean, The Belk College of Business
UNC Charlotte
9201 University City Blvd.
Charlotte, NC 28223

Re: Master of Science in Real Estate

Dear Dean Ott:

It is with great pleasure that I write to endorse your college's efforts to initiate a new Master of Science in Real Estate program in the Belk College of Business. As you and I have worked over your time at UNC Charlotte, you understand the College of Architecture's interest in supporting our design focus with community development and real estate finance educational opportunities. While we have supported the dual-degree option of Master of Architecture and MBA/Real Estate I believe the proposed MS in Real Estate is more focused for our graduate students' interests. Further, as we have received permission to plan a new Master of Urban Design degree program to commence in Fall 2009, the existence of the MS/Real Estate program will complement both our interests but also our teaching capacity by shared-enrollment courses. I complement your colleagues' efforts and look forward to our continued collaboration.

Sincerely,

Ken Lambla, AIA
Dean and Professor

cc. Dustin C. Read, Associate Director, Center for Real Estate

THE BELK
COLLEGE *of* BUSINESS
UNCC CHARLOTTE

Memorandum

To: Tom Reynolds, Dean
The Graduate School

From: Steve Ott, Interim Dean
The Belk College of Business



Date: September 17, 2007

Re: Master of Science in Real Estate

I am pleased to provide this memorandum of support for the development of a Master of Science in Real Estate (MSRE) program within the Belk College of Business. The level of sophistication present in Charlotte's financial services industry has created demand from both students and employers for more specialized training in the areas of real estate finance and development. The proposed program will help satisfy this market demand by offering a unique interdisciplinary curriculum that draws from the University's existing graduate coursework in architecture, engineering, finance, and geography. The Center for Real Estate at UNC Charlotte additionally provides the administrative infrastructure necessary to implement a successful MSRE program with the ongoing guidance of the regional real estate community. These factors, coupled with the University's location in one of the fastest growing metropolitan areas in the country, make UNC Charlotte an ideal candidate for the development of an MSRE program.

SHO:jh

cc: Dustin Read, Associate Director
Center for Real Estate

Office of the Dean • The Belk College of Business
THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
9201 University City Boulevard • Charlotte, NC 28223-0001
Phone 704-687-2165 • Fax: 704-687-4014 • www.belkcollege.uncc.edu



The University of North Carolina at Charlotte
9201 University City Boulevard
Charlotte, NC 28223-0001



College of Architecture
704/687-4841
FAX: 704/687-3353

Memo

To: Professor Steve Ott

From: Betsy West, Chair

Re: Master of Science in Real Estate Program

Date: 14 September, 2007

The new program in Real Estate provides excellent opportunities for interdisciplinary collaboration, teaching and research between the College of Business, the College of Architecture and the Community Planning Graduate track in the Department of Geography and Earth Science. In particular, there is a potential opportunity for fruitful dual degree options between the Master of Science in Real Estate, the existing Master of Architecture program, and the new Master of Urban Design degree currently under preparation in the College of Architecture. Accordingly, the College of Architecture is pleased to state firm commitment and support for the new Real Estate program.

Courses currently on the books in the CoA that are of interest as electives in the Real Estate program are noted below. These course numbers and titles may supersede previously numbered course offerings.

ARCH 6050	Community Planning Workshop
ARCH 6050/5214	Dilemmas of Modern City Planning
ARCH 6050	Introduction to Urban Design (formerly Urban Settlements)
ARCH 6050	Urban Design and Development Economics (formerly Urban Form, Context and Economics)
ARCH 6050	Shaping the American City
ARCH 6050	Strategies for the Public Realm
ARCH 6050	Public Space in Cities



UNC CHARLOTTE

College of Arts + Architecture

School of Architecture

9201 University City Blvd, Charlotte, NC 28223-0001

t/ 704.687.0101 f/ 704.687.0105

October 14, 2009

Dr. Steven Ott, Director
Center for Real Estate
UNC Charlotte
9201 University City Blvd.
Charlotte, NC 28223

Dear Steve,

The School of Architecture is pleased to support the establishment of a Master of Science in Real Estate (MSRE) program within the Belk College of Business. An interdisciplinary program of this nature will help both architecture and business students prepare for careers in the built environment by providing a holistic view of the development process.

The School of Architecture is committed to working with your staff to develop the design and construction components of the program, as well as explore ways to integrate sustainability concepts into the entire MSRE curriculum. Our faculty and staff would also like to explore the possibility of a dual MUD/MSRE degree in the future once the program is in place.

In the event faculty resources are available from the Center for Real Estate, the School of Architecture will facilitate the instruction of courses in the areas of site planning, sustainable urban development, green building, landscape architecture, etc.

We look forward to working with you in this endeavor.

Sincerely,

Christopher Jarrett
Director and Professor

cc: Ken Lambla, Dean
College of Arts + Architecture



Appendix F: Library Consultation Forms



UNC CHARLOTTE
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MSRE 6220: Financial Analysis of Development

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu **Date:** December 17, 2009

Please Check One:

- Holdings are superior _____
Holdings are adequate _____
Holdings are adequate only if Dept. purchases additional items. X
Holdings are inadequate _____

Comments:

Library holdings are adequate if Department purchases additional items for a course on "Financial Analysis of Development." A search of the catalog using the terms "financial institution", "real estate" and "investment" yielded less than 100 results, most of which are dated.

The library has adequate subscriptions to several electronic journals in this subject area. These include the Journal of Real Estate Finance and Economics, Real Estate and Investment Business, Real Estate Finance and Investment and Real Estate Finance.

Additionally, the library also has access to a number of electronic resources including Business Source Premier, LexisNexis, Emerald, EconLit and Mergent Online.

Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs as funds permit to keep the collection current.

Somaly Kim Wu

Evaluator's Signature

December 17, 2009

Date



UNC CHARLOTTE
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MSRE 6101: Real Estate Seminar

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu **Date:** December 17, 2009

Please Check One:

- Holdings are superior _____
Holdings are adequate X
Holdings are adequate only if Dept. purchases additional items. _____
Holdings are inadequate _____

Comments:

Library holdings are adequate for a course on "Real Estate Seminar." A search of the catalog using the terms "Negotiation in Business", "Leadership" and "Real Estate" yielded over 150 results. The library also has access to a number of electronic resources including Business Source Premier, LexisNexis, Emerald and Mergent Online.

The library has subscriptions to several print and electronic journals in this subject area. These include Real Estate Investment Business and Leadership Quarterly.

Overall, Atkins Library has adequate resources to support the proposed course. Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs as funds permit to keep the collection current. Otherwise, the collection is adequate.

Somaly Kim Wu

Evaluator's Signature

December 17, 2009

Date



UNC CHARLOTTE
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MSRE 6102: International Real Estate Study Tour

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu Date: December 17, 2009

Please Check One:

- Holdings are superior
- Holdings are adequate
- Holdings are adequate only if Dept. purchases additional items.
- Holdings are inadequate

Comments:

Library holdings are adequate for a course on "International Real Estate Study Tour." Access to electronic resources is available to UNC Charlotte students researching abroad. The library has access to a number of electronic resources including Business Source Premier, LexisNexis and Mergent Online. Additionally, the library has subscriptions to several print and electronic journals in this subject area. These include International Business Real Estate Management and Development Industry Profile and Real Estate Services Industry Yearbook.

Overall, Atkins Library has adequate resources to support the proposed course. Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs as funds permit to keep the collection current. Otherwise, the collection is adequate.

Somaly Kim Wu
Evaluator's Signature

December 17, 2009
Date



Date **UNC CHARLOTTE**
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MBAD 6130: Site Planning, Building Design and Construction Fundamentals

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu Date: December 17, 2009

Please Check One:

- Holdings are superior _____
- Holdings are adequate X _____
- Holdings are adequate only if Dept. purchases additional items. _____
- Holdings are inadequate _____

Comments:

Library holdings are adequate for a course on "Site Planning, Building Design and Construction Fundamentals." A search of the catalog using the terms "Building Sites Planning" and "Construction" yielded over 400 results.

The library also has access to a number of electronic resources including Business Source Premier, LexisNexis, Mergent Online, Avery Index to Architectural Periodicals and ASTM Digital Library. The library has subscriptions to several print and electronic journals in this subject and in Architecture and Engineering. These include the Journal of Construction Research, the Journal of Construction Engineering and Management and Building Design & Construction.

Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs in order to maintain an adequate and current collection. Otherwise, the collection is adequate.

Somaly Kim Wu
Evaluator's Signature

December 17, 2009
Date



Date **UNC CHARLOTTE**
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MSRE 6230: Construction Management

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu **Date:** December 17, 2009

Please Check One:

- Holdings are superior _____
- Holdings are adequate X
- Holdings are adequate only if Dept. purchases additional items. _____
- Holdings are inadequate _____

Comments:

Library holdings are adequate for a course on "Construction Management." A search of the catalog using the terms "Building Sites Planning" and "Construction" yielded over 400 results.

The library also has access to a number of electronic resources including Business Source Premier, LexisNexis, Mergent Online, Avery Index to Architectural Periodicals and ASTM Digital Library. The library has subscriptions to several print and electronic journals in this subject area. These include the Journal of Construction Research, the Journal of Construction Engineering and Management and Building Design & Construction.

Overall, Atkins Library has adequate resources to support the proposed course. Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs as funds permit to keep the collection current. Otherwise, the collection is adequate.

Somaly Kim Wu

Evaluator's Signature

December 17, 2009

Date



Date **UNC CHARLOTTE**
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MSRE 6120: Real Estate Law and Land Use Policy

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu **Date:** December 17, 2009

Please Check One:

- Holdings are superior _____
- Holdings are adequate X
- Holdings are adequate only if Dept. purchases additional items. _____
- Holdings are inadequate _____

Comments:

Library holdings are adequate for a course on "Real Estate Law and Land Use Policy." A search of the catalog using the terms "Real Estate Law" and "Land Use" yielded over 1500 results.

The library also has access to a number of electronic resources including Business Source Premier, LexisNexis, WestLaw Campus, Mergent Online.

The library has subscriptions to several print and electronic journals in this subject area. These include Real Estate Law Column, Journal of Real Estate Research, Business Ethics and Business Ethics Quarterly.

Overall, Atkins Library has adequate resources to support the proposed course. Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs as funds permit to keep the collection current. Otherwise, the collection is adequate.

Somaly Kim Wu

Evaluator's Signature

December 17, 2009

Date



Date **UNC CHARLOTTE**
J. Murrey Atkins Library

Consultation on Library Holdings

To: Dr. Dustin Read

From: Somaly Kim Wu

Date: December 17, 2009

Subject: MSRE 6999: Real Estate Capstone

Summary of Librarian's Evaluation of Holdings:

Evaluator: Somaly Kim Wu **Date:** December 17, 2009

Please Check One:

- Holdings are superior _____
- Holdings are adequate X
- Holdings are adequate only if Dept. purchases additional items. _____
- Holdings are inadequate _____

Comments:

Library holdings are adequate for a course on "Real Estate Capstone." A search of the catalog using the terms "Real Estate" and "Sustainable Development" yielded over 600 results.

The library also has access to a number of electronic resources including Business Source Premier, LexisNexis and Mergent Online.

The library has subscriptions to several print and electronic journals in this subject area. These include Real Estate Business Journal, National Real Estate Investor and the Journal of Real Estate Research.

Overall, Atkins Library has adequate resources to support the proposed course. Journal articles and books that are not held by the library can be obtained through Interlibrary Loan. I would suggest buying monographs as funds permit to keep the collection current. Otherwise, the collection is adequate.

Somaly Kim Wu

Evaluator's Signature

December 17, 2009

Date

Appendix G: Budget Forms

**Projected Funding for New Degree Program
 Master of Science in Real Estate
 Regular Term 2011-12
 (Based on 2010-2011 Change in Student Credit Hours)**

Program Category	Change in Student Credit Hours			Instructional - Position Funding Factors			Instructional Positions Required		
	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral
Category I				708.64	169.52	115.56	0.000	0.000	0.000
Category II				535.74	303.93	110.16	0.000	0.000	0.000
Category III				406.24	186.23	109.86	0.000	0.000	0.000
Category IV				232.25	90.17	80.91	0.000	0.000	0.000

Fringe rates for staff
 FICA @ 7.65%
 Retirement @ 8.75%
 Medical @ \$4,527

Fringes for faculty salaries
 FICA @ 7.65%
 Retirement @ 11.86%
 Medical @ \$4,527

	\$0
	\$0
	\$0
	<u>\$0</u>

Total Positions Required		0.000
Instructional - Position Salary Rate		<u>\$80,189</u>
101-1310 Instructional Salary Amount		\$0
Other Academic Costs	44.89300%	<u>0</u>
Purpose 101 Total Academic Requirements		\$0
Purpose 151 Library	11.48462%	0
Purposes 152, 160, 170 180 General Instit Support	54.04980%	0
Neg Adj Factor	50.00000%	n/a
In-state SCHs	0	
Financial Aid (in-state)	67.99800%	<u>0</u>
Total Requirements		<u>\$0</u>

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM/TRACK

Institution		UNC Charlotte		Date		November 19, 2009	
Program (API#, Name, Level)		52.1501 Real Estate		Program Year		2011-12	
Degree(s) to be Granted		M.S.R.E.					
ADDITIONAL FUNDING REQUIRED - BY SOURCE							
	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal/State or Other Non-state Funds (Identify)	New Allocations	Total		
101 Regular Term Instruction							
1210 SPA Regular Salaries	\$0				\$0		
1110 EPA Non-teaching Salaries					0		
1310 EPA Academic Salaries	120,000	0	0		120,000		
Adjunct Faculty	40,000						
Graduate Teaching Assistants	75,000						
Graduate Admin Assistant	5,000						
1810 Social Security	9,180		0		9,180		
1820 State Retirement	0		0		0		
1830 Medical Insurance (3432*X)	0				0		
2000 Supplies and Materials	0				0		
2300 Educational Supplies					0		
2600 Office Supplies					0		
3000 Current Services	33,500				33,500		
3100 Travel	3,000						
3200 Communications	17,000						
3400 Printing & Binding							
3700 Advertising	13,500						
5000 Capital Outlay (Equipment)	0				0		
5100 Office Equipment							
5200 EDP Equipment							
TOTAL Regular Term Instruction	\$162,680	\$0	\$0	\$0	\$162,680		
151 Libraries							
5000 Capital Outlay (Equipment)	0	0			0		
5600 Library Book/Journal							
TOTAL Libraries	\$0	\$0	\$0	\$0	\$0		
189 General Institutional Support							
2000 Supplies and Materials					0		
2600 Office Supplies							
3000 Current Services					0		
3200 Communications							
3400 Printing & Binding							
5000 Capital Outlay (Equipment)					0		
5100 Office Equipment							
5200 EDP Equipment							
TOTAL General Inst. Support	\$0	\$0	\$0	\$0	\$0		
TOTAL ADDITIONAL COSTS	\$162,680	\$0	\$0	\$0	\$162,680		

NOTE: Accounts may be added or deleted as required.

**Projected Funding for New Degree Program
 Master of Science in Real Estate
 Regular Term 2012-2013
 (Based on 2011-2012 Change in Student Credit Hours)**

Program Category	Change in Student Credit Hours			Instructional - Position Funding Factors			Instructional Positions Required		
	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral
Category I				708.64	169.52	115.56	0.000	0.000	0.000
Category II		420		535.74	303.93	110.16	0.000	1.382	0.000
Category III				406.24	186.23	109.86	0.000	0.000	0.000
Category IV				232.25	90.17	80.91	0.000	0.000	0.000

Fringe rates for staff
 FICA @ 7.65%
 Retirement @ 8.75%
 Medical @ \$4,527

Fringes for faculty salaries
 FICA @ 7.65%
 Retirement @ 11.86%
 Medical @ \$4,527

	\$8,477
	\$13,142
	\$6,256
	<u>\$27,875</u>

Total Positions Required		1.382
Instructional - Position Salary Rate		<u>\$80,189</u>
101-1310 Instructional Salary Amount		\$110,813
Other Academic Costs	44.89300%	<u>49,747</u>
Purpose 101 Total Academic Requirements		\$160,560
Purpose 151 Library	11.48462%	18,440
Purposes 152, 160, 170 180 General Instit Support	54.04980%	86,782
Neg Adj Factor	50.00000%	n/a
In-state SCHs	0	
Financial Aid (in-state)	67.99800%	<u>0</u>
Total Requirements		<u>\$265,782</u>

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM/TRACK

Institution		UNC Charlotte		Date		November 19, 2009	
Program (API#, Name, Level)		52.1501 Real Estate		Program Year		2012-13	
Degree(s) to be Granted		M.S.R.E.					
ADDITIONAL FUNDING REQUIRED - BY SOURCE							
	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal/State or Other Non-state Funds (Identify)	New Allocations	Total		
101 Regular Term Instruction							
1210 SPA Regular Salaries							\$0
1110 EPA Non-teaching Salaries							0
1310 EPA Academic Salaries	0	110,813	0				110,813
1810 Social Security	0	8,477	0				8,477
1820 State Retirement	0	20,611	0				20,611
1830 Medical Insurance							0
2000 Supplies and Materials		4,500					4,500
2300 Educational Supplies		1,500					
2600 Office Supplies		3,000					
3000 Current Services		10,500					10,500
3100 Travel		6,500					
3200 Communications		1,000					
3400 Printing & Binding		1,500					
3700 Advertising		1,500					
5000 Capital Outlay (Equipment)		5,659					5,659
5100 Office Equipment		1,000					
5200 EDP Equipment		4,659					
TOTAL Regular Term Instruction	\$0	\$160,560	\$0	\$0	\$0	\$160,560	
151 Libraries							
5000 Capital Outlay (Equipment)		18,440					18,440
5600 Library Book/Journal		18,440					
TOTAL Libraries	\$0	\$18,440	\$0	\$0	\$0	\$18,440	
189 General Institutional Support							
2000 Supplies and Materials		28,900					28,900
2600 Office Supplies		28,900					
3000 Current Services		28,900					28,900
3200 Communications		14,450					
3400 Printing & Binding		14,450					
5000 Capital Outlay (Equipment)		28,982					28,982
5100 Office Equipment		14,500					
5200 EDP Equipment		14,482					
TOTAL General Inst. Support	\$0	\$86,782	\$0	\$0	\$0	\$86,782	
TOTAL ADDITIONAL COSTS	\$0	\$265,782	\$0	\$0	\$0	\$265,782	

NOTE: Accounts may be added or deleted as required.

**Projected Funding for New Degree Program
 Master of Science in Real Estate
 Regular Term 2013-2014
 (Based on 2012-2013 Change in Student Credit Hours)**

Program Category	Change in Student Credit Hours			Instructional - Position Funding Factors			Instructional Positions Required		
	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral
Category I				708.64	169.52	115.56	0.000	0.000	0.000
Category II		140		535.74	303.93	110.16	0.000	0.461	0.000
Category III				406.24	186.23	109.86	0.000	0.000	0.000
Category IV				232.25	90.17	80.91	0.000	0.000	0.000

*Fringe rates for staff
 FICA @ 7.65%
 Retirement @ 8.75%
 Medical @ \$4,527*

*Fringes for faculty salaries
 FICA @ 7.65%
 Retirement @ 11.86%
 Medical @ \$4,527*

	\$2,826
	\$4,381
	\$2,085
	<u>\$9,292</u>

Total Positions Required		0.461
Instructional - Position Salary Rate		\$80,189
101-1310 Instructional Salary Amount		\$36,938
Other Academic Costs	44.89300%	16,582
Purpose 101 Total Academic Requirements		\$53,520
Purpose 151 Library	11.48462%	6,147
Purposes 152, 160, 170 180 General Instit Support	54.04980%	28,927
Neg Adj Factor	50.00000%	n/a
In-state SCHs	0	
Financial Aid (in-state)	67.99800%	0
Total Requirements		\$88,594

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM/TRACK

Institution	UNC Charlotte			Date	November 19, 2009
Program (API#, Name, Level)	52.1501 Real Estate				
Degree(s) to be Granted	M.S.R.E.			Program Year	2013-14
ADDITIONAL FUNDING REQUIRED - BY SOURCE					
	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal/State or Other Non-state Funds (Identify)	New Allocations	Total
101 Regular Term Instruction					
1210 SPA Regular Salaries					\$0
1110 EPA Non-teaching Salaries					0
1310 EPA Academic Salaries	0	36,938	0		36,938
1810 Social Security	0	8,477	0		8,477
1820 State Retirement	0	4,381	0		4,381
1830 Medical Insurance					0
2000 Supplies and Materials		350			350
2300 Educational Supplies		250			
2600 Office Supplies		100			
3000 Current Services		2,300			2,300
3100 Travel		1,200			
3200 Communications		750			
3400 Printing & Binding		100			
3700 Advertising		250			
5000 Capital Outlay (Equipment)		1,074			1,074
5100 Office Equipment		0			
5200 EDP Equipment		1,074			
TOTAL Regular Term Instruction	\$0	\$53,519	\$0	\$0	\$53,519
151 Libraries					
5000 Capital Outlay (Equipment)		6,147			6,147
5600 Library Book/Journal		6,147			
TOTAL Libraries	\$0	\$6,147	\$0	\$0	\$6,147
189 General Institutional Support					
2000 Supplies and Materials		9,600			9,600
2600 Office Supplies		9,600			
3000 Current Services		9,600			9,600
3200 Communications		4,800			
3400 Printing & Binding		4,800			
5000 Capital Outlay (Equipment)		9,727			9,727
5100 Office Equipment		4,900			
5200 EDP Equipment		4,827			
TOTAL General Inst. Support	\$0	\$28,927	\$0	\$0	\$28,927
TOTAL ADDITIONAL COSTS	\$0	\$88,593	\$0	\$0	\$88,593

NOTE: Accounts may be added or deleted as required.

**Projected Funding for New Degree Program
 Master of Science in Real Estate
 Regular Term 2013-2014
 (Based on 2012-2013 Change in Student Credit Hours)**

Program Category	Change in Student Credit Hours			Instructional - Position Funding Factors			Instructional Positions Required		
	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral	Undergrad	Masters	Doctoral
Category I				708.64	169.52	115.56	0.000	0.000	0.000
Category II		140		535.74	303.93	110.16	0.000	0.461	0.000
Category III				406.24	186.23	109.86	0.000	0.000	0.000
Category IV				232.25	90.17	80.91	0.000	0.000	0.000

Fringe rates for staff
 FICA @ 7.65%
 Retirement @ 8.75%
 Medical @ \$4,527

Fringes for faculty salaries
 FICA @ 7.65%
 Retirement @ 11.86%
 Medical @ \$4,527

	\$2,826
	\$4,381
	\$2,085
	<u>\$9,292</u>

Total Positions Required		0.461
Instructional - Position Salary Rate		<u>\$80,189</u>
101-1310 Instructional Salary Amount		\$36,938
Other Academic Costs	44.89300%	<u>16,582</u>
Purpose 101 Total Academic Requirements		\$53,520
Purpose 151 Library	11.48462%	6,147
Purposes 152, 160, 170 180 General Instit Support	54.04980%	28,927
Neg Adj Factor	50.00000%	n/a
In-state SCHs	0	
Financial Aid (in-state)	67.99800%	<u>0</u>
Total Requirements		<u>\$88,594</u>

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM/TRACK

Institution		UNC Charlotte		Date		November 19, 2009	
Program (API#, Name, Level)		52.1501 Real Estate		Program Year		2013-14	
Degree(s) to be Granted		M.S.R.E.					
ADDITIONAL FUNDING REQUIRED - BY SOURCE							
	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal/State or Other Non-state Funds (Identify)	New Allocations	Total		
101 Regular Term Instruction							
1210 SPA Regular Salaries							\$0
1110 EPA Non-teaching Salaries							0
1310 EPA Academic Salaries	0	36,938	0				36,938
1810 Social Security	0	8,477	0				8,477
1820 State Retirement	0	4,381	0				4,381
1830 Medical Insurance							0
2000 Supplies and Materials		350					350
2300 Educational Supplies		250					
2600 Office Supplies		100					
3000 Current Services		2,300					2,300
3100 Travel		1,200					
3200 Communications		750					
3400 Printing & Binding		100					
3700 Advertising		250					
5000 Capital Outlay (Equipment)		1,074					1,074
5100 Office Equipment							
5200 EDP Equipment		1,074					
TOTAL Regular Term Instruction	\$0	\$53,519	\$0	\$0	\$0		\$53,519
151 Libraries							
5000 Capital Outlay (Equipment)		6,147					6,147
5600 Library Book/Journal		6,147					
TOTAL Libraries	\$0	\$6,147	\$0	\$0	\$0		\$6,147
189 General Institutional Support							
2000 Supplies and Materials		9,600					9,600
2600 Office Supplies		9,600					
3000 Current Services		9,600					9,600
3200 Communications		4,800					
3400 Printing & Binding		4,800					
5000 Capital Outlay (Equipment)		9,727					9,727
5100 Office Equipment		4,900					
5200 EDP Equipment		4,827					
TOTAL General Inst. Support	\$0	\$28,927	\$0	\$0	\$0		\$28,927
TOTAL ADDITIONAL COSTS	\$0	\$88,593	\$0	\$0	\$0		\$88,593

NOTE: Accounts may be added or deleted as required.