

# ***CURRICULUM VITAE: Ron Mitchelson***

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## **PERSONAL INFORMATION**

Name: Ronald Leon Mitchelson

Current Position: Professor of Economic Geography and Chair  
Department of Geography  
East Carolina University  
Greenville, NC 27858

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mitchelsonr@mail.ecu.edu (email)

Date and Place of Birth: June 22, 1953; Oswego, New York

Marital Status: Married (Sarah), 3 children (Matthew, Emily, John)

## **EDUCATIONAL BACKGROUND**

Undergraduate: State University of New York at Buffalo, 1971-1975  
Major: Geography  
Minor: Economics  
Degree: Bachelor of Arts (1975)

Graduate: The Ohio State University, 1975 - 1979  
Major: Geography  
Degrees: MA(1977); PhD (1979)  
Dissertation: **An Examination of the Psychophysical Function in Travel Mode-Choice Behavior**

## **EMPLOYMENT HISTORY**

Teaching Assistant and Associate	The Ohio State University	1976-1979
Assistant, Associate, Full Professor	University of Georgia	1979-1993
Full Professor, Chair, Center Director	Morehead State University	1993-1999
Full Professor, Chair	East Carolina University	1999-present

## AWARDS

- \*Appointment to the U.S. Air Force Academy (appointment declined), 1971
- \*Granted New York State Regents Scholarship, 1971-1975
- \*Graduated Magna Cum Laude, S.U.N.Y. at Buffalo, 1975
- \*Elected to Phi Beta Kappa, S.U.N.Y. at Buffalo, 1975
- \*Awarded Graduate Presidential Fellowship, The Ohio State University, 1975
- \*The Charles Clifford Huntington Memorial Award as the Outstanding Graduate Student in Geography, Department of Geography, The Ohio State University, 1978
- \*Awarded tenure, Department of Geography, University of Georgia, September, 1984.
- \*Awarded tenure, Department of Geography Government and History, Morehead State University, 1994.
- \*Awarded tenure, Department of Geography, East Carolina University, 1999
- \*National Council for Geographic Education (NCGE), Distinguished University Teaching Achievement Award, 1987, awarded at annual meeting of the NCGE, Snowbird, Utah. One of four selected nationally.
- \*Appointment to position of State Geographer by Governor Brereton Jones, Kentucky, October 1994 to November 1996.
- \*Named Honorary Kentucky Colonel by Governor Paul Patton, September 1996.
- \*Named Outstanding University Researcher, Morehead State University, May 1997.
- \*Elected as Faculty Regent, Morehead State University, Board of Regents, 1998-1999.
- \*Elected as Vice President, Southeast Division of the Association of American Geographers, 1998-2000.
- \*Elected as President, Southeast Division of the Association of American Geographers, 2001-2003.

## FIELDS OF INSTRUCTIONAL AND RESEARCH INTEREST

Transportation Geography: Networks, Flows, and Impacts  
Quantitative Techniques, Spatial Statistics  
Location Analysis  
Regional Economic Development and Problems  
Computer Mapping and Geographic Information Systems, GIST

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## RESEARCH ACTIVITIES

### PUBLICATIONS (Refereed)

1. Ronald L. Mitchelson, Lawrence A. Brown, and Jeffrey P. Osleeb. "Technical Change in the Agricultural Sector: A Problem in Developing Countries," Discussion Paper No. 56, Studies in the Diffusion of Innovation, Department of Geography, The Ohio State University, 1979.
2. Ronald L. Mitchelson and Howard L. Gauthier. "An Empirical Examination of the Psychophysical Function in Travel Mode Choice," Transportation Research Record No. 750, Washington, D.C., National Academy of Sciences (Transportation Research Board), (1980), 27-36.
3. Milford B. Green and Ronald L. Mitchelson. "Spatial Perspectives of the Flows Through the Southeast Electrical Transmission Network," The Professional Geographer, Vol. 33 (1981), 83-94.
4. James S. Fisher and Ronald L. Mitchelson. "Forces of Change in the American Settlement Pattern," Geographical Review, Vol. 71 (1981), 298-310.
5. James S. Fisher and Ronald L. Mitchelson. "Extended and Internal Commuting in the Transformation of the Inter-metropolitan Periphery," Economic Geography, Vol. 57 (1981), 1-21.

6. Ronald L. Mitchelson and Howard L. Gauthier. "Gender-Related Differences in Travel Mode Psychophysics," Urban Geography, Vol. 2 (1981), 131-147.
7. Howard L. Gauthier and Ronald L. Mitchelson. "The Question of Attribute Importance and Mode Satisfaction in Travel Mode Choice Research," Economic Geography, Vol. 57 (1981), 348-361.
8. Ronald L. Mitchelson and James S. Fisher. "Commuting Cost Visibility: A Case Study," Southeastern Geographer, Vol. 21 (1981), 130-147.
9. Ronald L. Mitchelson. "The Effect of Social Heterogeneity Within Urban Travel Corridors on the Travel Behavior of Residents," The Professional Geographer, Vol. 34 (1982), 185-196.
10. George A. Brook and Ronald L. Mitchelson. "Single and Double Fourier Analysis of Cockpit Karst in Puerto Rico," Proceedings of the Eighth International Congress of Speleology, Vol. VIII (1981), 53-55.
11. Ronald L. Mitchelson and James S. Fisher. "Spatial Perspective on Population Dynamics in Georgia, 1960-1980," Southeastern Geographer, Vol. 23 (May, 1983), 35-50.
12. Ronald L. Mitchelson, Thomas A. Maraffa, and James S. Fisher, "Long Distance Commuting on the North American Landscape," Proceedings of the International Geographical Union Working Group on Transportation, Athens, Georgia, and Venice, Italy (1983), 152-163.
13. Don R. Hoy and Ronald L. Mitchelson. "Problems in Predicting Graduate Student Success," Journal of Geography, Vol. 83 (1984), 54-59.
14. Ronald L. Mitchelson and Don R. Hoy. "An Empirical Examination of Latin American Inflation, 1971-1980," Yearbook of the Conference of Latin American Geographers, 1983, 65-87.
15. Ronald L. Mitchelson and James S. Fisher. "Economic Specialization and the Contemporary Metropolitan Growth Process," Geographical Research Forum, Vol. 8 (1985), 31-52.
16. Ronald L. Mitchelson and James S. Fisher. "Settlement Structure and Its Effect on Models of Ride Sharing," Applied Geography, Volume 7 (1984), 101-113.
17. Ronald L. Mitchelson and James S. Fisher. "Cross County Commuting in Georgia," Issues Facing Georgia, Vol. 2 (April, 1985). 35 pp.
18. Ronald L. Mitchelson and James S. Fisher. "Long Distance Commuting and Population Change in New York State," Urban Geography, Vol. 7 (1987), 193-211.
19. Ronald L. Mitchelson and James S. Fisher. "Long Distance Commuting and Population Change in Georgia, 1960-1980," Growth and Change, Vol. 18 (1987), 44-65.
20. Ronald L. Mitchelson and James S. Fisher. "Long Distance Commuting and Income Change in the Towns of Upstate New York," Economic Geography, Vol. 63 (1987), 48-65.
21. James O. Wheeler and Ronald L. Mitchelson. "Atlanta's Role as an Information Center: Inter-metropolitan Links," The Professional Geographer, Vol. 41 (1989), 162-172.
22. James O. Wheeler and Ronald L. Mitchelson. "Information Flows among Major Metropolitan Areas in the United States," Annals of the Association of American Geographers, Vol. 79 (1989), 523-543.
23. James O. Wheeler and Ronald L. Mitchelson. "The Information Empire," American Demographics, Vol. 13 (March, 1991), 40-44.

24. Ronald L. Mitchelson and James O. Wheeler. "National and International Information Flows: The Role of Major U.S. Metropolitan Centers," Annals of the Association of American Geographers, Vol. 83 (March, 1994), 87-107.
25. James O. Wheeler, Trent Palmer, and Ronald L. Mitchelson. "Chicago's Role as a Regional, National, and Global Center of Information Production and Distribution," Great Lakes Geographer. Vol. 4 (No. 1, 1997), 1-6.
26. Ronald L. Mitchelson, Timothy C. Pitts, Andrew J. Curtis, and Kevin L. Calhoun. "The Changing South: Transportation and Communications Since 1947," Southeastern Geographer (Special 50th Anniversary Issue). Vol. 48 (November, 1997), 33-52.
27. Ronald L. Mitchelson. "Spatial Aspects of Technology Transfer: Evidence from Kentucky," Southeastern Geographer. Vol. 39 (November, 1999), 206-219.
28. Ronald L. Mitchelson and Michael Lazarro. "The Face of the Game: Inequities in Spatial Accessibility to Golf." Southeastern Geographer. Vol. 44 (May, 2004), 48-73.
- Being Prepared: Ronald L. Mitchelson and Greg Goldey. "More Facts on the Ground: Settlement Accessibility and Israeli Highway Investments in the West Bank, 1995-1997," Geographical Review.
- Being Prepared: Ronald L. Mitchelson. "Forecasting Hazmat Incidents: Space/Time Composition," to be submitted to Journal of Transportation Geography.
- Being Prepared: Ronald L. Mitchelson. "Ecological Models of Violence," to be submitted to Urban Geography.

## CHAPTERS IN BOOKS

1. Ronald L. Mitchelson and James O. Wheeler. "Analysis of Aggregate Flows: The Atlanta Case," The Geography of Urban Transportation, S. H. Hanson (ed.). New York: Guilford Press, 119-153, 1986.
2. Ronald L. Mitchelson and James O. Wheeler. "Atlanta's Transportation System, 2030," The Geography of Urban Transportation (Second Edition), S.H. Hanson (ed.). New York: Guilford Press, 121-151, 1996.
3. Ronald L. Mitchelson and Yu Luo. "Chapter 9: Transportation and Communications," The Atlas of Kentucky. Lexington: University Press of Kentucky, Richard Ulack (ed.), 1998.
4. Richard Ulack and Ronald L. Mitchelson. "Chapter 6: Kentucky's Natural Resources," The Atlas of Kentucky. Lexington: University Press of Kentucky, Richard Ulack (ed.), 1998.
5. Richard Ulack, Ronald L. Mitchelson, and John Watkins. "Chapter 12: The Urban Landscape," The Atlas of Kentucky. Lexington: University Press of Kentucky, Richard Ulack (ed.), 1998.
6. Ronald L. Mitchelson. "Map This!: A History of Geography at East Carolina University," in Lorraine Robinson (ed.). The History of Arts and Sciences at East Carolina University. 2006 (forthcoming).
7. Ronald L. Mitchelson. "Geography at East Carolina University," in James O. Wheeler and Stanley Brunn (eds.). Southern Contributions to American Geography. Columbia, MD: Bellwether Press, 2004, 246 - 287.

## OTHER PUBLICATIONS

1. with H. L. Gauthier, "Transportation Perceptions of a Handicapped Population in Central Ohio," Research Paper RR7411, The Central Ohio Transit Authority, Columbus, Ohio, May, 1980.
2. with Louis DeVorsey, "Georges Bank: Historic Predominant Interest," Research Report to the U.S. Department of State (320 pp.), June 1982.
3. with Louis DeVorsey. "Methods for Apportioning the Extension of the Exclusive Economic Zone (200 miles)" Report to the Georgia Department of Natural Resources.
4. with Chad N. Braylee. Predicting the Location of Prehistoric Cultural Resources. Research Report to the U.S. Park Service (252 pp.), January 1984.
5. with James S. Fisher. Hugh O. Nourse, and Philip A. Cartwright. "State Economic Planning Regions," Georgia Economic Forecasting Project, July 1984.
6. with James S. Fisher. Long Distance Commuting: Impacts on Population, Employment, and Income Change in Nonmetropolitan Areas. Washington, D.C.: Economic Development Administration, 149 pp., 1987.
7. with James S. Fisher. Population and Income Growth Multipliers for Extended and Localized Commuting. Washington, D.C.: Economic Development Administration, 114 pp., 1989.
8. with James S. Fisher, Female Participation in the Labor Force of the Nonmetropolitan Towns of Upstate New York, 1960-1980. Washington, D.C.: Economic Development Administration, 116 pp., 1991.
9. Spatial Analysis of Intifadah Violence. Washington, D.C.: The Central Intelligence Agency, 53 pp., 1991 (unclassified demonstration project for regional analysts in the Office of Global Issues).
10. with Yu Luo. Statistical Atlas: FIVCO Area Development District. The Center for Community and Economic Development, Morehead State University, 96 pp., 1993.
11. The Mountaintop Agricultural Complex (Martiki Coal): Future Prospects. The Center for Community and Economic Development, Morehead State University, 20 pp., 1994.
12. The I-64 Corridor Hazardous Materials, Commodity Flow Analysis. Frankfort, KY: The Kentucky Emergency Response Commission, 72 pp., June 1995.
13. The I-75 Corridor Hazardous Materials, Commodity Flow Analysis. Frankfort, KY: The Kentucky Emergency Response Commission, 75 pp., November 1995.
14. West Liberty Comprehensive Development Plan. Land Use Ordinance, Subdivision Regulations, Comprehensive Plan, 225 pp., December 1996.
15. The I-65 Corridor Hazardous Materials, Commodity Flow Analysis. Frankfort, KY: The Kentucky Emergency Response Commission, 80 pp., November 1996.
16. The I-71 Corridor Hazardous Materials, Commodity Flow Analysis. Frankfort, KY: The Kentucky Emergency Response Commission, 72 pp., December 1997.
17. The I-24 Corridor Hazardous Materials, Commodity Flow Analysis. Frankfort, KY: The Kentucky Emergency Response Commission, 68 pp., March 1998.
18. The AA Highway Hazardous Materials, Commodity Flow Analysis. Frankfort, KY: The Kentucky Emergency Response Commission, 70 pp., December 1998.

19. Technology Transfer Potential and Prospects in Appalachian Kentucky. Hazard, KY: The Kentucky Appalachian Commission, 45 pp., 1998.
20. Spatial Analysis of Municipal Infrastructure Investments in Appalachian Kentucky. Hazard, KY: The Kentucky Appalachian Commission, 35 pp., 1999.
21. Olive Hill Comprehensive Land Use Plan. Olive Hill, KY, 123 pp. 1999.
22. Location Analysis for New Stores: Approaches and Prospects. White Paper for the VP for Strategic Planning, Lowe's Corporation, 55 pp, April 2001.
23. The Center for Hazards Mitigation at East Carolina University. Proposal to CAS, Dean Keats Sparrow, East Carolina University. November 2001.
24. The Roanoke-Albemarle-Pamlico Hazardous Materials, Commodity Flow Analysis. North Carolina Emergency Response Commission, 75 pp., December 2002.
25. Ronald L. Mitchelson (ed.). "Housing and Disaster Recovery," Conference Record. Center for Hazard Mitigation, East Carolina University, May 2002.

## **ELECTRONIC MEDIA PUBLICATIONS**

1. Ron Mitchelson and Yu Luo. Kentucky Forest Resources Information System. Frankfort: Kentucky Division of Forestry, 1996.
2. Yu Luo and Ron Mitchelson. The Electronic Atlas of Kentucky. Department of Geography, University of Kentucky, December, 2001.
3. Ron Mitchelson (editor in chief). The Atlas of Appalachia. Morehead, KY.: Institute for Regional Analysis and Public Policy, 2005 (forthcoming).

## **PUBLISHED ABSTRACTS**

50 published abstracts associated with presentations at national and regional meetings.  
Abstracts are available upon request.

## **BOOK REVIEWS**

1. Ronald L. Mitchelson, "New Horizons in Travel Behavior Research," in The Professional Geographer, Vol. 35 (1983), p. 252.

## **ENCYCLOPEDIA ENTRIES**

1. "Louisville's Topography", in John Kleber (ed.), The Encyclopedia of Louisville. The University Press of Kentucky, 2001, 675-677.
2. "The Appalachian Redevelopment Highway System", in Judith Spears (ed.), The Encyclopedia of Appalachia. University of Tennessee Press, 2004 (forthcoming).

## **INVITED PRESENTATIONS**

1. "Long Distance Commuting and Urbanization," University of South Carolina (Columbia), October 1986.
2. "The Effects of Long Distance Commuting on Nonmetropolitan Areas," Geography Awareness Week Lecture, Clemson University, November 1988.
3. "Female Participation in the Labor Force," Geography Colloquium, University of Georgia, May 1990.
4. "Economic Transformation of Taliafero County, Georgia," Taliafero County Historical Society. June 1984.
5. "The Geography of the Information Economy," Pi Gamma Mu Initiation. Morehead State University, November 1992.
6. "Use of Geographic Information Systems in Industrial Development," Kentucky Industrial Development Association, meeting held in Morehead, KY, May 1993.
7. "A Regional Information System," East Kentucky Corporation, Hazard, KY, Annual Meeting of the Board of Directors, May 1994.
8. "The Center for Community and Economic Development at Morehead State University," annual meeting of the Kentucky Small Business Development Center, Morehead, July 1994.
9. "Demographic Issues Facing Higher Education in the Commonwealth of Kentucky," Annual Meeting of the Kentucky Association of Collegiate Registrars and Admissions Officers (KACRAO), Paintsville KY, October 1994.
10. "State of the Morehead State University Service Region," Address to the Kentucky Council on Higher Education, November 1994 and to Morehead State University Faculty Convocation, January 1995.
11. "Interactive Geographic Information Systems for the Students of Kentucky's High Schools," Annual Kentucky Education Technology Conference, Lexington, February 1995.
12. "Demographic Challenges for Higher Education in Eastern Kentucky," Board of Directors, Morehead State University Alumni Association, April 1995.
13. "Economic Development in Eastern Kentucky," Morehead Kentucky Men's Club, May 1995.
14. "The Interactive Atlas of Kentucky," Board of Directors, The Thomas Clark Foundation, Churchill Downs Museum, September 1995.
15. "Women's Economic Development Issues in Eastern Kentucky," Rowan County Women's Chamber of Commerce, Morehead KY, October 1995.
16. "Smart Maps for Smart Librarians," Special Libraries Association, Kentucky Chapter, Brandenburg KY, November 1995.
17. "Revitalizing Rural America with Bill Clinton," University of Kentucky, Department of Geography Colloquium Series, December 1995.
18. "Introduction to Geographic Information Systems," Murray State University, National Geographic Society, Summer Teacher Institute, July 1996.
19. "Electronic Atlas of Kentucky," University of Kentucky, Arts and Sciences Week, March 1996.
20. "Electronic Atlas of Kentucky," Kentucky Educational Technology Conference, Louisville, March 1996.

21. "Introduction to Geographic Information Systems for Teachers," Kentucky Educational Technology Conference, Louisville, March 1996.
22. "Rural Development Issues," Department of Geography, Indiana State University, Terre Haute, IN. March 1997.
23. "Empowerment Zones: Continuing Saga," Department of Geography, Government, and History, Morehead State University, April 1997.
24. "Issues in Rural Development," Department of Geography, Kansas State University, December 1997.
25. "Economic Development in Kentucky," Pi Lambda Phi (Political Science Honor Society), Morehead State University, February 1998.
26. "Applications of Geographic Information Science in Transportation," Geography Club Awareness Lecture, UNC at Greensboro, September 1999.
27. "G.I. Science at East Carolina University," Presentation to Joyner Library Faculty Meeting, East Carolina University, April 2001.
28. "Out of Harms Way," Dean's Advancement Council, College of Arts and Sciences, East Carolina University, October, 2001.
29. "G.I. Science at ECU," North Carolina GITA Conference and Exposition. Southern Pines NC, October 2001.
30. "More Facts on the Ground," Geography Awareness Lecture, UNC-Wilmington, November 2001.
31. "Full Steam Ahead, ECU's Role in Economic Development," Dean's Advancement Council, Harriot College of Arts and Sciences, March 2003.
32. "Hazardous Materials Transportation Down East," R-A-P Emergency Planning Committee, Plymouth NC, April 2003.

## **RESEARCH PAPERS PRESENTED**

1. with H. L. Gauthier. "The Question of Importance and Satisfaction in Mode Choice," paper presented at the annual meeting of the Association of American Geographers, New Orleans, LA, 1978.
2. with Milford Creen. "Aspects of Efficient Distribution Of Electricity in the Southeastern U.S.," paper presented at the annual meeting of the Association of American Geographers, Philadelphia, PA, 1979.
3. "The Dimensions that Underlie Travel Mode-Choice Behavior," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Nashville, TN, 1979.
4. "An Examination of the Psychophysical Function in Travel Mode-Choice Behavior," paper presented at the T.R.B., Washington, D.C., 1980.
5. "Gender-Related Differences in Travel Mode Psychophysics," paper presented at the annual meeting of the Association of American Geographers, Louisville, KY, 1980.
6. "The Effect of Social Heterogeneity Within Urban Travel Corridors on the Travel Behavior of Residents," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Blacksburg, VA, 1980.
7. with J. S. Fisher. "Extended Commuting in a Portion of the Southern Piedmont:1960-1970," paper presented at the annual meeting of the Association of American Geographers, Los Angeles, CA, 1981.

8. with S. Litzinger. "Effects of Market Segmentation Schemes on Mode Choice Model Parameters," paper presented at the annual meeting of the Association of American Geographers, Los Angeles, CA, April, 1981.
9. with G. A. Brook. "Single and Double Fourier Analysis of Cockpit Karst in Puerto Rico," paper presented at the Eighth International Congress of Speleology, Bowling Green, KY, July, 1981.
10. "Commuting Cost Visibility: A Case Study," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Atlanta, GA, November, 1981.
11. "APopulation Dynamics in the State of Georgia, 1960-1980," paper presented at the annual meeting of the Association of American Geographers, San Antonio, TX, April, 1982.
12. with J. S. Fisher and T. A. Maraffa. "Extended Commuting on the North American Landscape," paper presented at the meeting of the International Geographical Union Working Group on the Geography of Transportation, Athens, GA, September, 1982.
13. with T. A. Maraffa. "Spatial Shifts of Market Oriented Manufacturing 1958-77," paper presented at the annual meeting of the N.C.G.E., San Diego, CA, October, 1982.
14. with Don R. Hoy. "An Empirical Examination of the Latin American Inflation," paper presented at the international meeting of the Conference of Latin American Geographers, Santo Domingo, CA, October, 1982.
15. with Don R. Hoy. "Problems in Predicting Graduate Student Success," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Memphis, TN, November, 1982.
16. with George A. Brook, Ching-liang Liang, and Mark Hanson. "Double Fourier Series Analysis of Doline and Cockpit Karst," paper presented at the annual meeting of the ecological Society of America, Indianapolis, IN, October-November, 1983.
17. C-L Liang, R. L. Mitchelson, and G. A. Brook. "A Computer Program for Two Dimensional Spectral Analysis," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Orlando, Fla., November, 1983.
18. with J. S. Fisher. "Specialization and U.S. Metropolitan Growth," paper presented at the annual meeting of the Association of American Geographers, Washington, D.C., April, 1984.
19. with J. S. Fisher. "Settlement Structure and Its Effect on Models of Ridesharing," paper presented at the Seventh Applied Geography Conference, Tallahassee, Fla., November, 1984.
20. with J. S. Fisher. "Georgia's Urban Fields, 1960-1980," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Birmingham, AL., November, 1984.
21. "The Modifiable Observational Unit: The Case of Georgia's Functional Regions," paper presented at the First Conference on Scientific Geography, Athens, GA, March, 1985.
22. with James S. Fisher. "Long-Distance Commuting in the Transformation of the Intermetropolitan Periphery: Georgia, 1960-1980," paper presented at the annual meeting of the Association of American Geographers, Detroit, April, 1985.
23. with James S. Fisher. "Long-Distance Commuting: A Comparison of Georgia and New York," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Chapel Hill, NC, November, 1985.
24. with James S. Fisher. "Long Distance Commuting and Population Change in New York State," paper presented at the annual meeting of the Association of American Geographers, Minneapolis, May, 1986.

25. with James S. Fisher. "The Commuting Situation in New York: 1960-1980," paper presented at the annual meeting of the Southeast Division of the Association of American Geographers, Lexington, KY, November, 1986.
26. with James S. Fisher. "The Income Effects of Extended and Localized Commuting: Evidence From New York State," paper presented at the annual meeting of the Association of American Geographers, Portland, OR, April, 1987.
27. with James S. Fisher. "Population Multipliers for Extended and Localized Commuting," paper presented at the annual meeting of the Southeast Division of the Association of American Geographers, Charlotte, NC, November, 1987.
28. with James O. Wheeler. "Information Flows among Major U.S. Metropolitan Areas," paper presented at the meeting of the International Geographical Union Working Group on Transportation, Minneapolis, MN, November, 1987.
29. with James S. Fisher. "Female Participation in the Labor Force in Towns of New York, 1960-1980," paper presented at the annual meeting of the Association of American Geographers, Phoenix, AZ, 1988.
30. with James S. Fisher. "Population and Income Change Along Two Atlanta Development Corridors," paper presented at the annual meeting of the Southeastern Division of the Association of American Geographers, Mobile, November, 1988.
31. with James O. Wheeler. "Atlanta's Role as an Information Center: Intermetropolitan Spatial Links," paper presented at the annual meeting of the Southeast Division, Association of American Geographers, Mobile, November, 1988.
32. with James S. Fisher. "Participation of Females in the Work Force and Household Income Maintenance, Nonmetropolitan New York," paper presented at the annual meeting of the Association of American Geographers, Baltimore, March, 1989.
33. with James O. Wheeler. "Information Flow Among Major U.S. Metropolitan Areas, 1990," paper presented at the annual meeting of the Association of American Geographers, Miami, March, 1991.
34. with James O. Wheeler. "International Information Flows and U.S. Metropolitan Centers," paper presented at Regional Science Association annual meeting, New Orleans, November 1991.
35. with Ingrid Ott. "Changing Manufacturing Patterns within the I-75 Corridor," paper presented at the annual meeting of the Southeast Division, Association of American Geographers, Louisville, KY. November 1992.
36. with Yu Luo and Timothy Pitts. "Changes in Population and Poverty in Appalachia, 1960-1990," paper presented at the annual meeting of the Southeast Division of the Association of American Geographers, Greensboro, NC, November 1993.
37. with Yu Luo. "Revitalizing Rural America." Paper presented at the annual meeting of the Southeast Division of the Association of American Geographers. Virginia Beach, VA, November, 1994.
38. with Trent Palmer and James Wheeler. "Chicago's Role as a Center of Information Exchange." Paper presented at the annual meeting of the Association of American Geographers. Virginia Beach, VA, November, 1994.
39. with Yu Luo, Timothy Pitts, and Kevin Calhoun. "Space-Time Patterns of Hazardous Materials Movements in the I-64 Corridor of Kentucky," Paper presented at the annual meeting of the Southeast Division of the Association of American Geographers. Knoxville TN, November 1995.

40. with Kevin Calhoun. "Space-Time Patterns of Hazardous Materials Movements in the I-75 Corridor of Kentucky," Paper presented at the annual meeting of the Southeast Division of the Association of American Geographers. Athens GA, November 1996.
41. with Kevin Calhoun. "Space-Time Patterns of Hazardous Materials Movements in the I-65 Corridor of Kentucky," Paper presented at the annual meeting of the Southeast Division of the Association of American Geographers. Birmingham AL, November 1997.
42. "Highway Construction and Changes to West Bank Urban Accessibility, 1995 to 1997," Paper presented at the annual Applied Geography Conference. Louisville KY, October 1998.
43. "The Geography of Technology Transfer in the United States," Paper presented at the annual meeting of the Southeast Division of the Association of American Geographers. Memphis TN, November 1998.
44. "Spatial Aspects of Inventiveness and Innovativeness," Paper presented at the Annual Applied Geography Conference. Charlotte NC, October 1999.
45. "Introduction to the Atlas of Appalachia," Paper presented at the annual meeting of the Appalachian Studies Association, Knoxville, TN, March 2000.
46. "Spatial Aspects of Infrastructural Investments in Appalachia," Paper presented at the Annual Applied Geography Conference, Tampa FL, October 2001.
47. "A Prototype for an Electronic Atlas of Appalachia: User Mapping and Immersive Photography," Paper presented at the annual meeting of the Appalachian Studies Association, Snowshoe Resort, WVA, March 2001.
48. "More Facts on the Ground: Israeli Highway Investments in the West Bank," Paper presented at the annual meeting of the Southeast Division of the Association of American Geographers. Lexington KY, November 2001.
49. "The Atlas of Appalachia," Paper presented at the annual meeting of the Appalachian Studies Association, Helen Georgia, March 2002.

## **FUNDED RESEARCH, BASIC AND APPLIED**

1. Central Ohio Transit Authority (\$1,000), "Situation and Psychological Character of Residents in a Well-Defined Travel Corridor," Granted in February, 1979.
2. The Ohio State University, College of Social and Behavioral Science (\$1,500), Grant for Dissertation-Related Research, Granted in March, 1979.
3. United States Department of State (Co-Principal Investigator with Louis DeVorse, \$48,543), Title: "Georges Bank Historic Fisheries: 1871-1920," Granted April 1, 1982, and Extension Granted (\$15,000) , June 12, 1982.
4. Georgia Department of Natural Resources (Co-Principal Investigator with Louis DeVorse, \$10,000), Title: "Exclusive Economic Zones of the Eastern Seaboard," Granted June 1983.
5. University of Georgia Research Foundation. Co-Principal Investigator with J. S. Fisher, Title: "Long Distance Commuting Impacts on the Population Turnaround Within the Inter-metropolitan Periphery," \$5,500, Granted July 1984.
6. United States Department of Commerce, Economic Development Administration, Co-Principal Investigator with J. S. Fisher, \$37,512, Title: Long Distance Commuting Effects on Employment and Income Change in Non-metropolitan Areas," Granted September 1985.

7. United States Department of Commerce, Economic Development Administration, Co-Principal Investigator with J. S. Fisher, \$24,989, Title: "Population and Income Multipliers For Extended and Localized Commuting," Granted September, 1986.
8. United States Department of Commerce, Economic Development Administration, Co-Principal Investigator with J. S. Fisher, \$25,600, Title: "Female Participation in the Labor Force," Granted September 1987.
9. Ashland Area Development District (FIVCO). with Yu Luo. \$15,000. Title: "FIVCO Statistical Atlas," Morehead, KY, August 1993.
10. Kentucky River Area Development District (\$4,000) and Gateway Area Development District (\$4,000). "Central Appalachian Empowerment Zone," Proposal Development, April-June, 1994. (with Michael Harford).
11. Kentucky Emergency Response Commission (USDOT). \$49,000. "Hazardous Materials Movement in the I- 64 Corridor of Kentucky", June 1994 to June 1995. with Dr. Yu Luo.
12. Kentucky Division of Forestry (USFS). \$16,000. "Forest Resources for Economic Development," July 1994 to September 1995. with Dr. Timothy Pitts and Dr. Yu Luo.
13. Appalachian Regional Commission. \$142,000. "Cultural Resources and Tourism Development in Eastern Kentucky", 1994 to 1996. with Michael Harford.
14. Kentucky Heritage Council. \$25,000. "Inventory of Cultural Resources in Eastern Kentucky", 1995 to 1995. (with Michael Harford).
15. Kentucky Emergency Response Commission (USDOT). \$26,000. "Hazardous Materials Movement in the I-75 Corridor of Kentucky", June 1995 to December 1995.
16. City of West Liberty, Kentucky. "Comprehensive Land Use Plan," \$6,800.
17. Kentucky Emergency Response Commission (USDOT). \$25,000. "Hazardous Materials Movement in the I- 65 Corridor of Kentucky", January 1996 to September 1996.
18. Kentucky Emergency Response Commission (USDOT). \$31,000. "Hazardous Materials Movement in the I- 71 and I-24 Corridors of Kentucky," January 1997 to September 1997.
19. City of West Liberty, Kentucky. "Geographic Information System," \$3,800.
20. City of Olive Hill, Kentucky. "Comprehensive Land Use Plan," \$10,000.
21. Kentucky Emergency Response Commission (USDOT). \$19,990. "Hazardous Materials Movement on the AA Highway," April 1998 to September 1998.
22. Kentucky Emergency Response Commission (USDOT). \$10,600. "Synthesis of Hazmat Corridor Studies in Kentucky." March 1999 to September 1999.
23. Kentucky Appalachian Commission (ARC). \$7,500. In support of three graduate interns dealing with technology transfer in Eastern Kentucky. October 1997 to April 1998.
24. Kentucky Appalachian Commission (ARC). \$7,500. In support of two graduate interns dealing with water and sewer infrastructure, demographic change, and system sustainability in Appalachian Kentucky. March 1999 to August 1999.
25. Private and public contributors (NCDEM, NC Sea-Grant, FEMA, etc.). "Of People, Place, and Progress: Extended Recovery on the Coastal Plain," May 2001, \$27,500 (with Steve Culver and Lauriston King).

26. North Carolina Division of Emergency Management (USDOT). \$25,000. "Hazardous Materials, Commodity Flow Analysis," May 2002 to December 2002.

27. UNC Office of the President (subcontract from HUD). \$32,000. "North Carolina Institute for Disaster Studies: Agenda for the Future," May 2003, with Lauriston King.

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## **INSTRUCTIONAL RESPONSIBILITIES**

### **TEACHING EXPERIENCE**

Teaching Assistant and Associate (World Regional Geography)  
The Ohio State University, Department of Geography  
September, 1976 - June, 1977

Assistant, Associate, and Full Professor  
University of Georgia, Department of Geography  
1979 - 1992

1. Introductory Spatial Analysis: A Course in Quantitative Methods of Geographers for Upper-Level Undergraduates and Beginning Graduate Students (GGY 403/603).
2. Advanced Spatial Analysis: Multivariate Statistics for Geographers (GGY 802).
3. Geography of Transportation: A Course in Network Development, Effects, and Analysis for Upper-Level Undergraduates and Beginning Graduate Students (GGY 463/663).
4. Geography of Developed Regions: An Introductory Course.
5. Economic Geography: An Introductory Course Dealing with the Location and Spatial Interaction of Economic Phenomena and Their Impacts (GGY 358).
6. Seminar in the Geography of Transportation (GGY 863).
7. Seminar in Quantitative Methods (GGY 830).
8. Introduction to Human Geography (GGY 101).
9. University System of Georgia, Independent Study, Introduction to Human Geography (GGY 101) and Economic Geography (GGY 358).

Professor of Geography, Morehead State University, 1992- 1999.

1. Fundamentals of Geography (GEO 100)
2. Computer Mapping (GEO 399)
3. Economic Geography (GEO 211)
4. Geography of Africa (GEO 328)
5. Advanced Computer Cartography and GIS (GEO 350)
6. Introduction to Cartography (GEO 349)

Professor of Geography, East Carolina University, 1999 - present

1. Introduction to Geography (GEOG 1000)
2. Geography of Transportation (GEOG 4001)
3. Quantitative Methods for Geographers (GEOG 3400)
4. Less Developed Regions (GEOG 2110)
5. Spatial Analysis (GEOG 2400)
6. Professional Seminar (GEOG 4999)

### **OTHER INSTRUCTIONAL ACTIVITIES**

Appointment to Graduate Faculty: University of Georgia, 1981; reappointed 1989; East Carolina University, 1999.

Graduate Advisor for (at UGA):

John C. Argo (completed M.A., 1981)  
Ching-liang Liang (completed M.A., 1983)  
Allen B. Craft (completed M.A., 1983)  
Betsy Doyon (completed M.A., 1983)  
Julian J. Ashworth (completed M.A., 1983)  
David H. McCaw (completed M.A., 1984)  
Keith Debbage (completed Ph.D., 1988)  
Eileen Ritchie (completed M.A., 1988)  
Beth Whitaker (completed M.A., 1989)  
Timothy Pitts (completed M.A., 1990)  
Ingrid Noerenberg (completed M.A., 1992)

Service on 117 Graduate Student Advisory, Examining, or Reading Committees (1979-1992).

Morehead State University, Undergraduate Advising, 105 students, 1992-99.

East Carolina University, Undergraduate Advising, 53 students, 1999-2003.

Graduate Committees:

Michael Lazaro (advisor)	Derek Hanak	Harry Miller	Robert Best
Carrie Jensen	Jeff Prince	Peter Lowenstein	Tao Zheng
Seann Hawley (advisor)	Chris McPhilamy	Will Aycock	Bianca Gentile
Jesscia Cain	Laura Heavner	Bill Suvak	Sallie Vaughn
Justin Gross	Harry Miller	Anna Eskeridge	

## **INSTRUCTIONAL AND PROGRAM GRANTS**

Grant from the Office of Instructional Development, University of Georgia (With J.C. Thill and J. Lee), Computing equipment for teaching aspects of spatial analysis, \$6,000, granted 1991.

(with Dr. Yu Luo and Dr. Timothy Pitts). National Science Foundation (Undergraduate Programs). "Spatial Analysis Laboratory for Undergraduate Education," \$98,000. Granted September 1995, Morehead State University.

Guangxi Educational Ministry (P.R.C.). Chinese Economic Development Certificate Program. (26 government officials for 4 months), \$105,000, Morehead State University.

(with Dr. David Rudy, Brian Reeder, and Richard Hunt). Institute for Regional Analysis and Public Policy. Kentucky Council on Post Secondary Education, nominated and selected as Program of Distinction. \$865,000 per year for five years, 1999-2004, Morehead State University.

Center for Geographic Information Science (with Yong Wang). East Carolina University, Academic Affairs, \$126,000 (with annual operating budget), 2000.

Renaissance Computing Institute (RENCI), ECU Regional Engagement Center (with Jamie Kruse, Rick Ericson, et al.), \$800k annual, 2006-2011.

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## **SERVICE ACTIVITIES**

## **INTRA-UNIVERSITY**

Elected to the Faculty-Graduate Student Committee, Department of Geography, The Ohio State University, May, 1976 - August, 1979.

Appointed by the Dean of The College of Social and Behavioral Sciences to the Internal Curriculum Review Committee, Department of Geography, The Ohio State University, October, 1978 - August, 1979.

Graduate Studies Committee, Department of Geography, University of Georgia, 1979-1981, 1983-1984, 1984-1985, 1986-1987, 1987-1988, 1988-1989.

Student supervision, University Year for Action Project, Gerontology Center, University of Georgia, 1980.

Curriculum Committee, Department of Geography, University of Georgia, 1981-1983; 1984-1985 (Chairman); 1985-1986; 1988-89; 1989-90; 1990-91.

Search and Screening Committee, Department of Geography, University of Georgia, 1985-1986, 1991-1992.

Elected Faculty Senator, Franklin College of Arts and Sciences, University of Georgia, September, 1982 - June, 1984.

Chairman, Franklin College Curriculum Committee, University of Georgia, September, 1982 - June, 1983.

Phi Beta Kappa Nomination Committee, University of Georgia, 1983.

Elected to the Advisory Committee, Department of Geography, University of Georgia, 1983-84, 1984-85, 1986-1987, 1990-1991, 1991-1992.

Graduate Coordinator, Department of Geography, University of Georgia, 1987-90.

Administered graduate program with 35 MA and 15 PhD students. Allocated 30 teaching and research assistantships.

Graduate Program Review Committee, University of Georgia (Journalism), 1987-88.

Graduate Faculty Appointment Committee, Franklin College of Arts and Sciences, 1987-1988.

Nomination Committee (University of Georgia), Council of Southern Graduate Schools, "Annual Achievement Award for New Scholars," 1988.

Appointed to Franklin College Computing Committee (FCCC), University of Georgia, 1990-1991.

Morehead State University. Performance Based Salary Increase Committee, 1993-94.

Morehead State University. Continuing Education Task Force, 1993-94.

Morehead State University. University Council. 1996-1999.

Center of Excellence, Morehead State University, Proposal Development Committee, 1998.

Faculty Regent, Morehead State University, 1998-1999.

Executive Director, Center for Community and Economic Development, Morehead State University, 1996-99.

Coastal Resource Management, PhD Program Steering Committee, 2002 - present.

Institute for Advanced Studies, Coastal Studies Center, Writing Committee, 2001-02.

Center for Natural Hazards Mitigation, Chair, Planning Committee, 2001-02.

College of Arts and Sciences

Chair, Nominating Committee, Chair of Economics, 2001-02, 2002-03

Chair, Annual Retreat Planning Committee, 2002

Chancellor's Representative, University Curriculum Committee, 2002 - present.

State Employee Combined Campaign (SECC), Steering Committee and Academic Coordinator, 2001, 2002.

Masters in Economic Development (MAED), Planning Committee, 2003- present.

Masters in Security Studies (MASS), Planning Committee, 2003- present.

PhD in Policy Studies, Planning Committee, 2003- present.

## **EXTRA-UNIVERSITY SERVICES AND ACTIVITIES**

Organizer of Special Session, "Travel Patterns and Impacts," 36th Annual Meeting, Southeastern Division of the Association of American Geographers, Atlanta, GA, 1981.

Chair of Paper Session, "Transportation," 36th Annual Meeting, Southeastern Division of the Association of American Geographers, Atlanta, GA, 1981.

Organizer of Special Session, "Travel Mobility," Annual Meeting of the Association of American Geographers, Denver, CO, April, 1983.

with J. S. Fisher, H. O. Nourse, and P. A. Cartwright. "State Economic Planning Regions," Map and Documentation prepared for the Office of Planning and Budget, State of Georgia, July-August, 1984.

Reviewer of proposals to the National Science Foundation for funded research in Geography and Regional Science, 31 proposals, 1983-2003.

Kentucky Council for Higher Education, Advisory Board to the Kentucky Geographic Information Council, 1992-99.

Steering Committee, Kentucky Geographic Alliance, National Geographic Society, 1992-99.

Program Co-Chair, National Council for Geographic Education, annual meeting held in Lexington, KY, 1994.

Kentucky Department of Education. Content Review Panel for Social Studies, PRAXIS National Teacher Examination. July, 1993.

Kentucky Education Professional Standards Board. Appointed to Council on New Teacher Performance Standards, 1993-1994.

Kentucky Appalachian Task Force , appointed by Governor Brereton Jones, 1994-96.

State Geographer , appointed by Governor Brereton Jones, 1994-95.

Elected as Kentucky representative to Association of American Geographers, Southeast Division, 1995 - 1997.

Elected, Vice President. Southeast Division of the Association of American Geographers, 1998 to 2000.

Program Chair, Annual Meeting of SEDAAG, Tampa FL, November 1999.

Program Chair, Annual Meeting of SEDAAG, Chapel Hill NC, November 1999.

Elected President, Southeast Division of the Association of American Geographers, 2001-03.

ECU representative to the NC Institute for Disaster Studies, 2002- present.

External Reviewer, NOAA, Coastal Climatologies Workshop, Charleston SC, October 2003.

Panel Reviewer, NSF, FY 2004 Human and Social Dynamics, Spatial Dynamics Competition, June 2004.

## **CONSULTING ACTIVITIES**

Central Ohio Transit Authority, "Design of a Research Method to Examine the Travel Needs and Desires of the Physically Handicapped," May 1980 to August 1980.

U.S. State Department, "U.S. Dominance on Georges Bank, Gulf of Maine," January 1982 to December 1982.

S.E. Wildlife Services, Inc., "Predictive Model of Cultural Resource Location, Fort Rucker," November 1982 to July 1983.

U.S. Central Intelligence Agency, "Spatial Analysis of the West Bank Intifadah," October 1989 to January 1991.

U.S. Central Intelligence Agency, "The Impact of Israeli Highway Construction on West Bank Urban Accessibility," April 1997 to March 1998.

Lowe's Corporation, "Location Analysis for New Stores: Approaches and Prospects," White Paper for the Ass. VP for Strategic Planning, April, 2001.

IAVO Research and Scientific, "Structural Equation Modeling of Insurgency Behavior in Space and Time," Funded by Department of Defense, Office of Naval Research, April 2006- present.

## **EDITORIAL EXPERIENCE**

Referee, Annals of the Association of American Geographers

Referee, The Professional Geographer

Referee, Urban Geography

Referee, Southeastern Geographer

Referee, Journal of Planning Education and Research

Referee, Socio-Economic Planning Sciences.

Referee, Economic Geography

Referee, Growth and Change

Referee, Environment and Planning.

Textbook review of "Fundamental Concepts in Geography" by John Wiley and Sons.

Textbook review of "Spatial Analysis" by Guilford Press.

Textbook review of "Human Geography" by West Publishing Company.

Textbook review of "Geographic Measurement and Quantitative Analysis," by MacMillan Publishing Company.

Appointed to Editorial Board, Southeastern Geographer, 1999 – 2003.

## **PROFESSIONAL MEMBERSHIPS**

The Association of American Geographers (A.A.G.)

National Council for Geographic Education (N.C.G.E.)

The Association of American Geographers, Southeastern Division (S.E.D.A.A.G.)