

Curriculum Vita

Steven P. French, Ph.D., FAICP

OFFICE College of Architecture
Georgia Institute of Technology
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Dunwoody, Georgia 30338
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EDUCATION

1980	Ph.D. (City and Regional Planning)	University of North Carolina - Chapel Hill
1973	Master of Urban and Regional Planning	University of Colorado – Denver
1971	B.A. with Honors (Economics)	University of Virginia

RESEARCH INTERESTS

Sustainable Urban Development
Earthquake and Flood Hazard Analysis and Mitigation
Urban Development Impacts
Geographic Information Systems

ACADEMIC AND PROFESSIONAL HONORS

McKenney Family Professor of Sustainability, Energy and Environmental Initiatives - 2010-2012
College of Fellows, American Institute of Certified Planners - 2006
Distinguished Professor, College of Architecture, Georgia Institute of Technology - 2003
Mid-Career Achievement Award, College of Architecture, Georgia Institute of Technology - 1994
Meritorious Performance and Professional Promise Award, Cal Poly State University - 1984
UPS Visiting Professor Fellowship in Resources Planning, Stanford University - 1987-1988
Kenneth E. Grant Research Scholarship, Soil Conservation Society of America -1978
Honors Program in Economics, University of Virginia – 1969-1971
Phi Beta Kappa - 1971

PROFESSIONAL EXPERIENCE

2013 - present Dean - College of Architecture, Georgia Institute of Technology

1992 - present Professor - City and Regional Planning Program, Georgia Institute of Technology

2009 - 2013 Associate Dean for Research - College of Architecture, Georgia Institute of Technology

1997 - 2011 Director - Center for Geographic Information Systems, Georgia Institute of Technology

1992 - 1999 Director - City Planning Program, Georgia Institute of Technology

1986-1991 Professor - Department of City and Regional Planning, California Polytechnic State University, San Luis Obispo, California

1987-1988 UPS Visiting Professor of Resources Planning - Civil Engineering Department, Stanford University

1981-1986 Associate Professor - Department of City and Regional Planning, California Polytechnic State University, San Luis Obispo, California

PUBLISHED ARTICLES AND PAPERS

* denotes peer reviewed article

*Jiawen Yang and Steven French. 2013. The Travel–Obesity Connection: Discerning the Impacts of Commuting Trips with the Perspective of Individual Energy Expenditure and Time Use. *Environment and Planning B: Planning and Design*, 40:4, 617-629.

Steven P. French. 2012. Modeling Nonstructural Damage for Metropolitan Building Stocks. *Proceedings of the Fifteenth World Congress on Earthquake Engineering*. Sept. 30-October 6, 2012, Lisbon, Portugal.

*Jiawen Yang, Steven French, James Holt and Xingyou Zhang. 2012. Measuring the Structure of US Metropolitan Areas, 1970–2000: Spatial Statistical Metrics and an Application to Commuting Behavior. *Journal of the American Planning Association*, 78:2, 197-209.

*Zafer Defne, Kevin A. Haas, Hermann M. Fritz, Lide Jiang, Steven P. French, Xuan Shi, Brennan T. Smith, Vincent S. Neary, Kevin M. Stewart. 2012. National Geodatabase of Tidal Stream Power Resource in USA. *Renewable and Sustainable Energy Reviews*, 16.

André Filiatrault, Steven French, William Holmes, Tara Hutchinson, Emmanuel Maragakis, Robert Reitherman. 2011. Research on the Seismic Performance of Nonstructural Components. *Proceedings of the 2011 American Society of Civil Engineers Architectural Engineering Institute Conference*, March 31-April 2, 2011, Oakland, California.

*M. Xu, J.C. Crittenden, Y. Chen, V. M. Thomas, D. S. Noonan, R. DesRoches, M. A. Brown, S. P. French. 2010. Gigaton Problems need Gigaton Solutions. *Environmental Science & Technology*, 44:11.

*Sahar, Liora, Subrahmanyam Muthukumar and Steven P. French. 2010. Using Aerial Imagery and GIS in Automated Building Footprint Extraction and Shape Recognition for Earthquake Risk Assessment of Urban Inventories. *IEEE Transactions on Geoscience and Remote Sensing*, 48:9.

*Steven P. French, Dalbyul Lee and Kristofor Anderson. 2010. Estimating the Social and Economic Consequences of Natural Hazards: A Fiscal Impact Example. *Natural Hazards Review*. 11:2 (May).

*Sugie Lee and Steven P. French. 2009. Regional Impervious Surface Estimation: An Urban Heat Island Application. *Journal of Environmental Planning and Management* 52:4 (June).

*William J. Drummond and Steven P. French. 2008. The Future of GIS in Planning: Converging Technologies and Diverging Interests. *Journal of the American Planning Association* 74:2 (Spring).

*Nancey Green Leigh, Matthew J. Reaff, Ning Ai, Steven P. French, Catherine L. Ross and Bert Bras. 2007. Modeling Obsolete Computer Stock under Regional Data Constraints: An Atlanta Case Study. *Resources Conservation and Recycling*. 51.

*Steven P. French and Subrahmanyam Muthukumar. 2006. Advanced Technologies for Earthquake Risk Inventories. *Journal of Earthquake Engineering* 10:2.

Steven P. French, Lawrence D. Frank, Michael Dinan and James Chapman. 2003. SMARTRAQ Regional Land Use Geodatabase – Development and Applications, *Proceedings of the Urban and Regional Information Systems Association*, October 12-16, Atlanta, Georgia.

*Arthur C. Nelson and Steven P. French. 2002. Plan Quality and Mitigating Damage from Natural Disasters: A Case Study of the Northridge Earthquake. *Journal of the American Planning Association*. 68:2 (Spring).

*Raymond J. Burby with Timothy Beatley, Philip R. Berke, Robert E. Deyle, Steven P. French, David R. Godschalk, Edward J. Kaiser, Jack D. Kartz, Peter J. May, Robert Olshansky, Robert G. Patterson and

Rutherford H. Platt. 1999. Unleashing the Power of Planning to Create Disaster-Resistant Communities. *Journal of the American Planning Association*. 65:3 (Summer).

Steven P. French and William H. Bachman. 1999. Transportation Facilities in Mid-America. *Proceedings of the 5th U.S. Conference on Lifeline Earthquake Engineering*, August 12-14. Seattle, Washington.

*Raymond J. Burby, Steven P. French and Arthur C. Nelson. 1998. Plans, Code Enforcement, and Damage Reduction: Evidence from the Northridge Earthquake. *Earthquake Spectra* 14:1 (February).

Steven P. French and Arthur C. Nelson. 1997. Land Use Planning for Earthquake Hazard Mitigation: Lessons from Northridge. *Proceedings of the Northridge Earthquake Research Conference*. August 20-22. Los Angeles, California.

*Steven P. French and Mike E. Disher. 1997. Atlanta and the Olympics: A One Year Retrospective. *Journal of the American Planning Association*. 63:3 (Summer).

*Steven P. French and Xudong Jia. 1997. Estimating Social and Economic Impacts of Infrastructure Damage with GIS. *Journal of the Urban and Regional System Association*. 9:1 (Spring).

Steven P. French and Amy E. Skiles. 1996. Organizational Structures for GIS Implementation. *Annual Proceedings of the Urban and Regional Information Systems Association*, July 27- August 1. Salt Lake City, Utah.

Steven P. French and William J. Drummond. 1996. The Rapidly Changing Technology of Planning. *Carolina Planning*. 21:1 (Spring).

*Steven P. French. 1995. Damage to Urban Infrastructure and Other Public Property from the 1989 Loma Prieta Earthquake. *DISASTERS: The Journal of Disaster Studies and Management* 19:1 (March).

*Philip R. Berke and Steven P. French. 1994. The Influence of State Mandates on Local Plan Quality. *Journal of Planning Education and Research*. 13:4 (Summer).

*Steven P. French. 1994. A Knowledge-Based System for Earthquake Risk Inventories. *Environment and Planning B*. 21.

Raymond J. Burby, Philip R. Berke, Linda C. Dalton, John DeGrove, Steven P. French, Edward J. Kaiser, Peter May and Dale Roenigk. 1993. Is State-Mandated Planning Effective? *Land Use and Zoning Digest*. 45:10 (October).

*Steven P. French. 1993. Public Property Damage and Emergency Response Costs: Comparing the Loma Prieta and Whittier Narrows Earthquakes. *Earthquake Spectra*. 9:1 (February).

Steven P. French. 1993. Infrastructure Damage Modeling with GIS. *Geographic Information Systems and Their Application to Geotechnical Earthquake Engineering Workshop Proceedings*. New York: American Society of Civil Engineers.

Steven P. French. 1992. Reconciling Census and Tax Assessor Mapping Systems. *Annual Proceedings of the Urban and Regional Information Systems Association*. Washington, D.C.

Steven P. French. 1991. A Knowledge-Based Approach to Using Existing Data for Seismic Risk Assessment. *Annual Proceedings of the Urban and Regional Information Systems Association*, August 11-15, San Francisco, California.

Steven P. French and Raymond K. Belknap. 1991. Analyzing Rural Development Alternatives Using a Geographic Information System. *Annual Proceedings of the Urban and Regional Information Systems Association*, August 11-15, San Francisco, California.

Steven P. French. 1991. The Utilization of Geographic Information Systems for Land Use Planning and Emergency Preparedness. *Disaster Management and Regional Development Planning with People's Participation*, United Nations Center for Regional Development, Nagoya, Japan.

*Steven P. French and Lyna L. Wiggins. 1990. California Planning Agency Experiences with Automated Mapping and Geographic Information Systems, *Environment and Planning B*, 17:4.

*Lyna L. Wiggins and Steven P. French. 1990. Desktop Mapping and GIS, *Journal of the American Planning Association*, 56:3, (Summer).

*Steven P. French and Gary R. Rudholm. 1990. Damage to Public Property in the Whittier Narrows Earthquake: Implications for Earthquake Insurance. *Earthquake Spectra*. 6:1 (February).

*Steven P. French and Lyna L. Wiggins. 1989. Computer Adoption and Use in California Planning Agencies: Implications for Education. *Journal of Planning Education and Research*, 8:2 (Winter).

Steven P. French. 1988. An Automated Lifeline Inventory for Earthquake Damage Modeling, *Proceedings of the 26th Annual Conference of the Urban and Regional Information Systems Association*, August 8-11, Los Angeles, California.

*Steven P. French and Mark S. Isaacson. 1984. Applying Earthquake Risk Analysis Techniques to Land Use Planning. *Journal of the American Planning Association*, 50:4 (Autumn).

Steven P. French. 1984. Earthquake Information Needs of Local Governments in *A Workshop on Evaluation of Regional and Urban Earthquake Hazards and Risk in Utah*. Open File Report 84-763, Reston, VA: U.S. Geological Survey.

Steven P. French and Ronald L. Wright. 1983. Local Implementation of Coastal Zone Management in California, in *Coastal Zone '83*, Orville Magoon, ed., New York: American Society of Civil Engineers.

*Steven P. French. 1981. An Approach to Environmental Impact Assessment, *Journal of Soil and Water Conservation*. 36:5 (September-October).

*Raymond J. Burby and Steven P. French. 1981. Coping with Floods: The Land Use Management Paradox, *Journal of the American Planning Association*, 47:3 (July).

*Raymond J. Burby and Steven P. French. 1980. The U.S. Experience in Managing Flood Plain Land Use in *DISASTERS: The International Journal of Disaster Studies and Practice*, 4:4, (December).

Steven P. French and Raymond J. Burby. 1980. Current Practice in Managing Coastal Flood Hazards. *Coastal Zone '80*, Billy L. Edge, (ED.), New York: American Society of Civil Engineers.

BOOKS

Ann Bostrom, Steven P. French and Sara Gottlieb. (eds.) 2008. *Risk Assessment, Modeling and Decision Support: Strategic Directions*. New York: Springer.

Co-author with Raymond J. Burby and Peter J. May. 1997. *Making Governments Plan: State Experiments in Managing Land Use*. Baltimore: Johns Hopkins Press.

Co-author with Raymond J. Burby et. al. 1991. *Sharing Environmental Risks: How to Control Governments' Losses in Natural Disasters*. Boulder, Colorado: Westview Press.

Lyna L. Wiggins and Steven P. French. 1991. *GIS: Assessing Your Needs and Choosing a System*, PAS Report 433. Chicago: American Planning Association.

Raymond J. Burby and Steven P. French. 1985. *Flood Plain Land Use Management: A National Assessment*. Boulder, Colorado: Westview Press.

Steven P. French. 1980. *Flood Plain Land Use Management: An Analysis of Context, Programs and Impacts*. Chapel Hill, NC: Ph.D. dissertation, University of North Carolina.

BOOK CHAPTERS

Steven French, Gayle Houston, Christy Johnson and Jesse Glasgow. 2008. EPRI-GTC Tailored Collaboration Project: A Standardized Methodology for Siting Overhead Electric Transmission Lines in J. Goodrich-Mahoney, L. Abrahamson, J. Ballard and S. Tikalsky (Eds.) *The Eighth International Symposium on Environmental Concerns in Rights-of-Way Management*: New York: Elsevier.

Robert E. Deyle, Steven P. French, Robert B. Olshansky and Robert G. Peterson. 1998. Hazard Assessment: The Factual Basis for Planning and Mitigation in Raymond J. Burby. (Ed.) *Cooperating with Nature: Confronting Natural Hazards with Land Use Planning for Sustainable Communities*. Washington, D.C.: John Henry/National Academy Press.

Steven P. French. 1998. Spatial Analysis Techniques for Linking Physical Damage to Economic Functions in M. Shinozuka A. Rose and R. Eguchi. (Eds.) *Engineering and Socioeconomic Impacts of Earthquakes: An Analysis of Electricity Lifeline Disruptions in the New Madrid Area*. Buffalo, NY: Multidisciplinary Center for Earthquake Engineering Research.

Steven P. French. 1995. Planning for Reconstruction: Opportunities and Constraints Facing Wellington in *Wellington After the Quake: The Challenge of Rebuilding Cities*. Wellington, NZ: Earthquake Commission.

Steven P. French. 1993. RISKEQ: Earthquake Risk Analysis in R. Klosterman, R. Brail and E. Bossard. (Eds.) *Spreadsheet Models in Urban and Regional Analysis*. New Brunswick, NJ: Center for Urban Policy Research, Rutgers University.

Steven P. French. 1993. GIS: Underpinning for Specialized Niche Products in Gilbert Castle. (Ed.) *Profiting from a Geographic Information System*. Fort Collins, Colorado: GIS World.

Steven P. French. 1990. A Preliminary Assessment of Damage to Urban Infrastructure in Robert Bolin. (Ed.) *The Loma Prieta Earthquake: Studies of Short-Term Impacts*. Boulder, Colorado: Natural Hazards Research and Applications Information Center.

Lyna L. Wiggins and Steven P. French. 1988. Thematic Mapping Packages for Microcomputers in *A Planner's Review of Software and Technology*, PAS Report 414. Chicago: APA.

Steven P. French. 1985. The Evolution of Decision Support Systems for Earthquake Hazard Mitigation in Sallie A. Marston. (Ed.) *Terminal Disasters: Computer Applications for Extreme Events*. Boulder, Colorado: Natural Hazards Research and Applications Information Center.

BOOK REVIEWS

Review of Edward J. Kaiser, David R. Godschalk and F. Stuart Chapin. 1996. *Urban Land Use Planning* (Fourth Edition) in *Journal of Planning Education and Research*, 15:2.

Review of P.A. Burrough. 1988. *Principles of Geographical Information Systems for Land Resources Assessment* in *Computers, Environment and Urban Systems*, 12:3.

INVITED PRESENTATIONS

November 20, 2013. "Integrating Infrastructure Systems for More Sustainable Urban Development," Hanyang University, Seoul, Korea.

May 21, 2013. "Designing More Sustainable Cities by Integrating Infrastructure Systems" Keynote Address at the 7th International Conference on Planning and Design, National Chen Kung University, Tianan, Tiawan.

May 20, 2013. "November 16, 2011. "GIS: Where is it All Going?" Keynote Address at CDC GIS Days, Centers for Disease Control, Atlanta, Georgia.

April 6, 2011. "Promoting Sponsored Research in a College of Architecture" at School of Architecture, Planning and Preservation. University of Maryland. College Park, Maryland.

January 21, 2011. "Integrating Urban Models with Infrastructure and Environmental Systems" presented at the Department of Geography and Earth Sciences, University of North Carolina-Charlotte, Charlotte, North Carolina.

July 16, 2008. "Incorporating Risk Assessment into Reconstruction after the Sichuan Earthquake" presented at China Planning Network, Beijing.

October 4, 2006. "Innovative GIS Applications for Electric Power Utilities" Keynote Address, GITA Southeast Chapter Annual Conference, Marietta, Georgia.

October 27, 2005. "Conceptualizing the Social and Economic Consequences of Natural Hazards" Plenary Panel 46th Annual Conference of the Association of Collegiate Schools of Planning, Kansas City, Missouri.

December 12, 2005. "Social Science Research in the Mid-America Earthquake Center" CASA/NCAR Decision Sciences Workshop, National Center for Atmospheric Research, Boulder, Colorado.

November 17, 2004. "Combining GIS and Remote Sensing for Urban Planning and Management" Paper presented at the CEOS International Workshop on Earth Observation Technology and Application, Beijing, China.

March 25, 2002. "This Is Not Your Father's GIS" Keynote Address at the Fifteenth Annual Geospatial Information Systems for Transportation Symposium (GIS-T), Atlanta, Georgia.

August 4, 1998. "Estimating the Impact of Lifeline Damage with GIS" Paper presented at the Third US-China-Japan Trilateral Symposium on Lifeline Earthquake Engineering, Kunming, China.

April 9, 1998. "GIS in Policy Research: Natural Hazards and Other Applications" Geography Department, University of North Carolina - Chapel Hill.

August 21, 1997. "Research Overview: Public Policy." Northridge Earthquake Research Conference. Los Angeles, California.

May 14, 1987. "Land Information Systems in Planning" at California County Planning Directors Association Conference, Monterey, California.

April 28, 1997. "Shared Data Resources for State and Local Planning" Keynote address Montana/Idaho GIS Conference, Bozeman, Montana.

March 27, 1995. "Planning for Reconstruction: Opportunities and Constraints" Wellington After the Quake: The Challenge of Rebuilding Cities, Wellington, New Zealand.

TEACHING

Georgia Institute of Technology

CP 6112 – Introduction to Land Use Planning, Spring 2000-2003, Fall 2004-2012
CP 6541 – Environmental GIS, Spring 2007-2011, 2013
CP 6052 – Urban Growth Modeling Studio, Spring 2005
CP 6052 – Regional Planning Studio, Fall 2002
CP 4510 – Fundamentals of GIS, Fall 1999, 2000, 2001
CP 6565 - Introduction to GIS, Winter 1994-1996, Spring 1993, 1994, 1999
CP 6930 - Introduction to Fields of Study in Planning, Winter 1992, Fall 1992-1998
CP 6911 - Community Planning Studio, Winter 1993, 1997, 1998, Spring 1998
CP 6052 – Regional Land Use Studio – Fall 2002
CP 6052 – Urban Modeling Studio – Spring 2005
CP 8110 - Sustainable Urban Development, Spring 1995
CP 6920 - Professional Practice, Fall 1992
CP 8150 - Advanced GIS, Spring 1992

California Polytechnic State University

CRP 513 - Survey Research Methods, Fall 1981, 1982, 1983, 1985, 1986, 1988-1990
CRP 516 - Quantitative Methods in Planning, Winter 1982-1987, 1989
CRP 457 - Planning Information Systems, Spring 1982, 1984, 1986, 1987, 1990, 1991
CRP 216 - Microcomputer Applications in Planning, 1983-1987, 1989, 1990, 1991
CRP 351, 352, 353 - General Plan Preparation Laboratory, 1981-1984, 1991
CRP 552 - Graduate Planning Laboratory, Winter 1984, 1985, 1990
CRP 451 - Environmental Planning Laboratory, Fall 1986, 1988, 1989
CRP 554 - Regional Planning Laboratory - Fall 1989
CRP 444 - Infrastructure Planning and Management, Spring 1989, 1990, 1991

Stanford University

CE 225 - Microcomputers in Urban and Environmental Engineering, 1988

Ph.D. Students

Graduated

Dalbyul Lee - 2012 - The Impact of Natural Disasters on Neighborhood Change: Longitudinal Data Analysis
Ning Ai - 2011 - Challenges of Sustainable Urban Planning: The Case of Municipal Solid Waste Management
Liora Sahar – 2009 – Using Remote Sensing and GIS Technology for Automated Building Extraction
Subrahmanyam Muthukumar - 2008 - The Application of Advanced Inventory Techniques in Urban Inventory Data Development for Earthquake Risk Modeling and Mitigation in Mid-America
Sugie Lee – 2005 – Metropolitan Growth Patterns' Impact on Intra-Regional Spatial Differentiation and Inner-Ring Suburban Decline: Insights for Smart Growth

Current

Gigi Song - Dissertation in progress
Sangwoo "Marty" Sung - Dissertation in progress
Camille Barchers – First Year

RESEARCH GRANTS AND CONTRACTS

2010 Co-Principal Investigator – U.S. Department of Energy – “Assessment of Energy Production Potential from Ocean Currents” \$93,188

2008 Co-Principal Investigator – U.S. Department of Energy – “Assessment of Energy Production Potential from Tidal Streams in the United States” \$329,500

2008 Principal Investigator – Georgia Technology Authority – “Georgia GIS Data Clearinghouse” \$125,000

2007 Co-Principal Investigator – National Science Foundation – “NEESR-Grand Challenge: Simulation of the Seismic Performance of Nonstructural Systems” \$3,599,997

2007 Principal Investigator – Georgia Technology Authority – “Georgia GIS Data Clearinghouse” \$112,500

2007 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$513,032

2006 Co-Principal Investigator – National Science Foundation - MUSES – “Materials Flow Modeling for Sustainable Industrial Systems for Urban Regions” \$1,291,284

2007 Principal Investigator – Mid-America Earthquake Center – “Quantitative Models of Social and Economic Consequences (SE-2-Year 3)” \$85,000

2006 Principal Investigator – Mid-America Earthquake Center – “Advanced Inventory Technologies (DS-2-Year 6)” \$140,000

2006 Principal Investigator – Georgia Technology Authority – “Georgia GIS Data Clearinghouse” \$137,500

2006 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$508,832

2006 Principal Investigator – Mid-America Earthquake Center – “Quantitative Models of Social and Economic Consequences (SE-2-Year 2)” \$85,000

2006 Principal Investigator – Mid-America Earthquake Center – “Advanced Inventory Technologies (DS-2-Year 5)” \$140,000

2006 Principal Investigator – Mid-America Earthquake Center – “Research Coordination – Social Science Thrust (RC-6)” \$20,000

2005 Principal Investigator – Mid-America Earthquake Center – “Quantitative Models of Social and Economic Consequences (DS-7b-Year 1)” \$40,000

2005 Principal Investigator – Mid-America Earthquake Center – “Advanced Inventory Technologies (DS-2-Year 4)” \$160,000

2005 Principal Investigator – Mid-America Earthquake Center – “High Level Briefings (E-5e)” \$20,000

2005 Principal Investigator – Mid-America Earthquake Center – “Research Coordination – Social Science Program (RC-6)” \$20,000

2005 Principal Investigator – Georgia Technology Authority – “Georgia GIS Data Clearinghouse” \$137,500

2005 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$504,832

2004 Principal Investigator – Emory University/Robert Wood Johnson Foundation – “Neighborhood Parks for Active Living – GIS Analysis” \$24,701

2004 Principal Investigator – Georgia Technology Authority – “Georgia GIS Data Clearinghouse” \$137,500

2004 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$504,832

2003 Principal Investigator – Mid-America Earthquake Center – “Advanced Inventory Technologies (DS-2-Year 3)” \$140,000

2003 Principal Investigator - Resources Communications, Inc. – “Urban Air Quality Project: Definition of the Physical Market for Urban Heat Island Mitigation Strategies “ \$25,050

2003 Principal Investigator - Atlanta-Fulton County Library – “Library Utilization and Service Area Delineation” \$17,610

2003 Principal Investigator – Georgia Technology Authority – “Georgia GIS Data Clearinghouse” \$137,500

2003 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$504,832

2003 Principal Investigator – Mid-America Earthquake Center – “Advanced Inventory Technologies (DS-2-Year 2)” \$140,000

2002 Principal Investigator – Westinghouse Savannah River Company – “Savannah River Site Emergency Operations Center GIS/GPS Evaluation Report” \$61,293

2002 Co-Principal Investigator – Georgia Regional Transportation Authority – “SMARTRAQ Regional Land Use Database - Year 2” \$182,000

2002 Principal Investigator – Mid-America Earthquake Center – “Advanced Inventory Technologies (DS-2-Year 1)” \$140,000

2002 Co-Principal Investigator - Metropolitan North Georgia Water Planning District – “Impervious Surface Database Development and Public Education Support” \$102,381

2002 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$504,832

2001 Co-Principal Investigator – Georgia Regional Transportation Authority – “SMARTRAQ Regional Land Use Database - Year 1” - \$182,000

2001 Principal Investigator – Trees Atlanta, Inc. – “Greenspace Acquisition Support System” \$29,441

2001 Principal Investigator – Westinghouse Savannah River Company – “Evaluation of Geographic Information System Capabilities at the Savannah River Site” \$19,426

2001 Principal Investigator – The Georgia Conservancy – “Coastal Georgia Footprints Project: Land Use Impacts on Critical Coastal Resources” \$11,119

2001 Principal Investigator – Mid-America Earthquake Center– “Inventories of Industrial Facilities in Mid-America (SE-15)” \$60,000

2001 Principal Investigator – Mid-America Earthquake Center – “Benefit-Cost of Retrofit for Regions – Phase II (SE-7)” \$40,000

2001 Principal Investigator – Mid-America Earthquake Center– “Inventories of Transportation Networks in Mid-America – Phase II (SE-5)” \$50,000

2001 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$497,500.

2000 Principal Investigator – Georgia Information Technology Policy Council – “National Wetlands Inventory Dictionary and GIS Tools” \$110,040

2000 Principal Investigator – Georgia Information Technology Policy Council – “Telecommunications Infrastructure Database for Georgia” \$50,000

2000 Principal Investigator – Georgia Information Technology Policy Council – “Guidance Documents for Atlanta Transportation GIS Data Reconciliation” \$57,000

2000 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems” \$497,500.

2000 Principal Investigator – Mid-America Earthquake Center – “Benefit-Cost of Retrofit for Regions (SE-7)” \$40,000

1999 Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems ” \$497,900.

1999 Principal Investigator – Georgia Center for Advanced Telecommunications Technology – “Georgia High Speed Telecommunications Atlas” \$18,200

1999 Co-Principal Investigator – Mid-America Earthquake Center– “Loss Assessment Methodologies (SE-5)” \$40,000

1998 Principal Investigator – Mid-America Earthquake Center – “Inventories of Essential Facilities in Mid-America (SE-1)” \$80,000

1998 Principal Investigator – Mid-America Earthquake Center– “Inventories of Transportation Networks in Mid-America (SE-3)” \$60,000

1998 Principal Investigator – South Fulton Parkway Alliance, “South Fulton Parkway Master Plan” \$141,000

1998 Co-Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems ” \$497,900.

1997 Co-Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems ” \$499,500.

1996 Co-Principal Investigator - University System of Georgia - “Strategic Initiative for Geographic Information Systems ” \$497,000.

1996 Principal Investigator - National Center for Earthquake Engineering Research - "Estimating Social and Economic Impacts of Building Damage with GIS." \$55,000.

- 1995 Co-Principal Investigator - University System of Georgia - "Strategic Initiative for Geographic Information Systems " \$499,000.
- 1995 Principal Investigator - National Center for Earthquake Engineering Research - "Estimating Social and Economic Impacts of Infrastructure Damage with GIS." \$58,000.
- 1994 Principal Investigator - National Science Foundation - "Assessment of Damage from the 1994 Northridge Earthquake Relative to Planning Since the 1971 San Fernando Earthquake." (CMS-9416458) \$87,464.
- 1994 Principal Investigator - National Center for Earthquake Engineering Research (NSF Center) - "Estimating Societal Impacts of Infrastructure Damage with GIS." \$60,000.
- 1993 Principal Investigator - Corporation for Olympic Development in Atlanta (CODA) - "CODA Olympic Neighborhood Survey." \$43,477.
- 1990 Principal Investigator - Subcontract to University of North Carolina - National Science Foundation project - "The Use of State Planning Mandates in Hazard Mitigation." \$78,374.
- 1990 Principal Investigator - National Science Foundation research grant - "Damage to Public Property from the Loma Prieta Earthquake: Analysis and Comparison to Whittier Experience and ATC Estimates" (BCS-9011134). \$46,070.
- 1989 Principal Investigator - Subcontract to Stanford University - National Science Foundation research project - "Integrated Inventory Databases for Seismic Risk Assessment" (BCS-8822125). \$77,802.
- 1990 Project Director - San Luis Obispo County Settlement Pattern Strategy. \$35,000.
- 1989 Principal Investigator - Natural Hazards Quick Response Grant - "Damage to Urban Infrastructure in the Loma Prieta Earthquake of October 17, 1989." 2,500.
- 1988 Project Director - User Needs Assessment for Automated Mapping and Geographic Information Systems for San Luis Obispo County, California. \$10,000.
- 1987 Subcontract to University of North Carolina - National Science Foundation project - "Coping with Losses to Infrastructure from Natural Hazards" (ECE-8517266). \$29,912.
- 1985 Principal Investigator - Natural Hazards Quick Response Grant - "Coalinga Recovery and Reconstruction after the May 2, 1983 Earthquake." \$2,500.
- 1982 Subcontract to Rice Center, Houston, Texas - National Science Foundation research project - "Earthquake Risk Analysis for Land Use Planning." \$20,000.

PROFESSIONAL REPORTS

Contributor – Jordan, Jones and Goulding, Inc. 2007. Southern Regional Accessibility Study. Atlanta, GA: Atlanta Regional Commission.

Contributor – Electric Power Research Institute and Georgia Transmission Company. 2006. EPRI-GTC Overhead Electric Transmission Line Siting Methodology. Washington, D.C.: EPRI.

Steven P. French and Sugie Lee. 2003. *Urban Heat Island: Physical Market for Mitigation Strategies*. Atlanta, GA: Resource Communications, Inc.

Steven P. French and Sugie Lee with Sandeep Bashyal, Chip Burger, David Cassell, Mausam Duggal, Jamee Holt and Jean Hee Park. 2003. *Alternative Land Use Futures: Metropolitan Atlanta 2025*. Atlanta, Georgia: Center for Quality Growth and Regional Development.

Steven P. French, Subrahmanyam Muthukumar, Christina M. Baxter, Jeremy Myers and Jean Wolf. 2002. *Savannah River Site Emergency Operations Center GIS/GPS Evaluation Report*. Aiken, SC: Westinghouse Savannah River Company.

Center for Geographic Information Systems. 2002. *Regional Land Use Database: Database Design Document*. Atlanta, GA: Georgia Regional Transportation Authority.

Center for Geographic Information Systems. 2001. *Coastal Georgia Footprints Project: Land Use Impacts on Critical Coastal Resources*. Savannah, GA: The Georgia Conservancy.

Center for Geographic Information Systems. 2001. *Evaluation of Geographic Information Systems Capabilities at the Savannah River Site*. Aiken, SC: Westinghouse Savannah River Company.

Steven P. French and Robert Olshansky. 2000. *Inventory of Essential Facilities in Mid-America - Final Report*. Champaign-Urbana, Illinois: Mid-America Earthquake Center.

Steven P. French and Douglas Allen. 1999. *South Fulton Parkway Corridor: Implementation Strategy*. South Fulton Parkway Alliance, Fairburn Georgia.

Steven P. French and Douglas Allen. 1999. *South Fulton Parkway Corridor. Scenarios for Future Development*. South Fulton Parkway Alliance, Fairburn Georgia.

Steven P. French, Xudong Jia, Yi Chang Tsai and S. Muthukumar. 1997. *Estimating Social and Economic Impacts of Infrastructure Damage with GIS*. Final Report to the National Center for Earthquake Engineering Research (95-6101C). Buffalo, NY.

Steven P. French, Arthur C. Nelson, S. Muthukumar and Maureen M. Holland. 1996. *The Northridge Earthquake: Land Use Planning for Hazard Mitigation*. Final Report to the National Science Foundation, Washington, D.C.

Steven P. French, Xudong Jia, Elizabeth F. Meyer and Sanjay Grover. 1995. *Estimating Societal Impacts of Infrastructure Damage with GIS*. Final Report to the National Center for Earthquake Engineering Research (93-6004). Buffalo, NY.

Lyna L. Wiggins, Steven P. French and Richard K. Brail. 1995. *Westchester County Department of Planning: Information Systems Assessment and Needs Analysis*. White Plains, NY: Westchester County.

Co-author with Paul Crawford. 1994. *Placer County GIS: Departmental Needs and Computer Resources*. San Luis Obispo, CA: Crawford Multari and Starr.

Steven P. French (co-author). 1993. *Olympic Ring Neighborhoods Summary Report and Fifteen Individual Neighborhood Reports*. Atlanta: Corporation for Olympic Development in Atlanta.

Steven P. French with Raymond J. Burby, Michael Jaffe and Steven White. 1992. *Damage to Urban Infrastructure and Public Property from the Loma Prieta Earthquake*. Final Report to the National Science Foundation, Washington, D.C.

Steven P. French, John C. Castanon and Alan Hanson. 1991. *A Knowledge Base Approach to Using Existing Data for Seismic Risk Assessment*. Report to National Science Foundation, Washington, DC.

Co-author with Crawford, Multari and Starr. 1991. *City of Atascadero Fiscal Impact Model*. San Luis Obispo: Crawford, Multari and Starr.

Steven P. French and Raymond K. Belknap. 1991. *Countywide Settlement Pattern Strategy for San Luis Obispo County: Phase II Report*. San Luis Obispo County Planning Department.

Co-author with Crawford, Multari and Starr. 1990. *City of Atascadero Long Range Financial Study*. San Luis Obispo: Crawford, Multari and Starr.

Steven P. French and Raymond K. Belknap. 1990. *Countywide Settlement Pattern Strategy for San Luis Obispo County: Phase I Report*. San Luis Obispo County Planning Department.

Steven P. French. 1989. "The Utilization of Geographic Information Systems for Land Use Planning and Emergency Preparedness," Nagoya, Japan: United Nations Centre for Regional Development.

Steven P. French and Heather L. McMillan. 1989. *San Luis Obispo County User Needs Assessment for Automated Mapping/Geographic Information Systems*. California Polytechnic State University Design Institute Report GIST-01-89.

Steven P. French, Craig A. Ewing and Mark S. Isaacson. 1984. *Restoration and Recovery Following the Coalinga Earthquake of May, 1983*, Natural Hazard Research Working Paper No. 50, Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado.

Steven P. French and Raymond J. Burby. 1980. *Managing Flood Hazard Areas: The State of Practice*. Chapel Hill, NC: Center for Urban and Regional Studies, University of North Carolina.

CONFERENCE PRESENTATIONS

November 16, 2013. "Online@Georgia Tech" at Association of Collegiate Schools of Planning Administrators' Conference, Columbus Ohio.

November 15, 2013. "Promoting Research in a College of Architecture" at Association of Collegiate Schools of Planning Administrators' Conference, Columbus Ohio.

July 20, 2013. "The Role of Modeling and Simulation in Creating Resilient Cities" at the 5th Joint AESOP-ACSP Congress, Dublin, Ireland.

May 24, 2013. "Sustainability and Resilience: Synergies and Conflicts" at iCities 2013, National Chen Kung University, Tianan, Tiawan.

November 5, 2012. "Making the City More Resilient with Modeling and Simulation Techniques" at 2012 California-France Forum on Energy Efficiency Technologies, Berkeley, California.

November 3, 2012. "Estimating Building Energy Use for Climate Action Planning" at 53rd Annual Meeting of the Association of Collegiate Schools of Planning, Cincinnati, Ohio.

October 4, 2012. "Planning Support Systems: Origins and What They Can Do" at Growth and Infrastructure Consortium National Conference, Atlanta, Georgia.

June 15, 2012. "Estimating Building Energy Use for Small Areas" at Sino-US Workshop on Environmental Protection and Urban Sustainable Development" Tianjin University, Tianjin, China.

April 14, 2012. "Estimating Small Area Building Energy Use and CO₂ Emissions for Local Climate Action Plans" at the National Planning Conference, Los Angeles, California.

October 16, 2011. "Estimating Individual Building Energy Use Characteristics at the Metropolitan Scale" at the 52nd Association of Collegiate Schools of Planning Annual Conference, Salt Lake City, Utah.

July 8, 2011. "Modeling Interactions Among Urban Infrastructure Systems" at the 12th Computers in Urban Planning and Urban Management Conference, Lake Louise, Alberta, Canada.

October 7, 2010. "Planning's Role in the Multi-Scale Challenges of E-Waste Management" at the 51st Association of Collegiate Schools of Planning Annual Conference, Minneapolis, Minnesota.

October 7, 2010. "From Component to Metro Region: Modeling the Benefits of Nonstructural Seismic Mitigation" paper presented at the 51st Annual Conference of the Association of Collegiate Schools of Planning, Minneapolis, Minnesota.

August 6, 2010. "Sustainable Challenges in Atlanta Region" Panel presentation for Forum 1: Mega Regions and Sustainable Cities: A Global Perspective. The 9th International Symposium - International Urban Planning and Environment Association.

August 4, 2010. "A Framework for Modeling Sustainable Urban Infrastructure Systems" presented at the 9th International Urban Planning and Environment Association Symposium, Guangzhou, China.

October 2, 2009. "Rebuilding the Nation's Electrical Grid: Do Planners Have a Role?" paper presented at the 50th Annual Conference of the Association of Collegiate Schools of Planning, Crystal City, Virginia.

January 30, 2009. "Modeling the Consequences of Natural Hazard Events: A Prerequisite to Resiliency" presented at the Resilience in the 21st Century Symposium College Station, Texas.

July 9, 2008 "Density and Traffic: Connecting the Dots." presented at the 4th Joint AESOP-ACSP Congress, Chicago.

April 30, 2008. "The Future of GIS in Planning" presented at the 100th National Planning Conference, Las Vegas, Nevada.

October 19, 2007. "The Distribution of Density" presented at the 48th Annual Conference of the Association of Collegiate Schools of Planning, Milwaukee, Wisconsin.

November 11, 2006. "The Role of Product Inventory Estimates in Regional Waste Diversion Impact Analyses" presented at the 47th Annual Conference of the Association of Collegiate Schools of Planning, Fort Worth, Texas.

October 28, 2005. "Estimating the Social and Economic Consequences of Earthquakes and Other Natural Hazards" presented at the 46th Annual Conference of the Association of Collegiate Schools of Planning, Kansas City, Missouri.

October 21, 2004. "Urban Heat Island Effects: Physical Market for Mitigation Measures" 45th Annual Conference of the Association of Collegiate Schools of Planning, Portland, Oregon.

October 14, 2004 "Estimating Impervious Surfaces for Urban Heat Island Modeling" Georgia Planning Association Annual Conference, Young Harris, Georgia

September 16, 2004. "A Standardized Methodology for Siting Overhead Electric Transmission Lines" *The 8th International Symposium on Environmental Concerns in Rights-of-Way Management*, September 14-17, 2004, Saratoga Springs, New York.

October 14, 2003. "SMARTAQ Regional Land Use Geodatabase – Development and Applications" 41st Annual Conference of the Urban and Regional Information Systems Association, Atlanta, Georgia.

July 2003. "Alternative Land Use Futures for Metropolitan Atlanta" at the 3rd Joint AESOP-ACSP Congress, Leuven, Belgium.

May 26, 2003. "Advanced Technologies for Earthquake Risk Inventories" Seismic Risk in Urban Areas GNDT-SAFERR-MAE Workshop, Erice, Sicily.

November 21, 2002. "Emerging Centers in a Sea of Sprawl" 44th Annual Conference of the Association of Collegiate Schools of Planning, Baltimore, Maryland.

November 10, 2001. "Overcoming Barriers to Smart Growth: Regional Benefits versus Neighborhood Concerns" 43rd Annual Conference of the Association of Collegiate Schools of Planning, Cleveland, Ohio.

November 9, 2001. "The Evolution of GIS: What a Long Strange Trip It's Been" 43rd Annual Conference of the Association of Collegiate Schools of Planning, Cleveland, Ohio.

July 12, 2001. "The Georgia High Speed Telecommunications Atlas," 21st Annual ESRI International User Conference, San Diego, California.

November 3, 2000. "The Georgia High Speed Telecommunications Atlas" 42nd Annual Conference of the Association of Collegiate Schools of Planning, Atlanta, Georgia.

November 2, 2000. "Land Use Patterns in the Atlanta Metropolitan Region" 42nd Annual Conference of the Association of Collegiate Schools of Planning, Atlanta, Georgia.

September 7, 2000. "Inventories of Transportation Facilities in Mid-America" Post-Earthquake Highway Response and Recovery Seminar, St. Louis, Missouri.

July 17, 2000. "Land Use Planning for Disaster Resistant Communities" Natural Hazards Research and Applications Workshop, Boulder, Colorado.

October 21, 1999. "Optimizing the Land Use Mix" 41st Annual Conference of the Association of Collegiate Schools of Planning, Chicago, Illinois.

September 22, 1999. "The Role of GIS in the Planning Process" Southeast Regional Planning Conference, Atlanta, Georgia.

September 22, 1999. "Publishing for Practicing Planners" Southeast Regional Planning Conference, Atlanta, Georgia.

October 23, 1998. "Watershed Planning with GIS" American Heritage River Symposium, Atlanta, Georgia.

July 17, 1998. "Essential Facilities in Middle America" Natural Hazards Research and Applications Workshop, Boulder, Colorado.

November 7, 1997. "Land Use Planning for Earthquake Hazard Mitigation: Lessons from Northridge" 39th Annual Meeting of the Association of Collegiate Schools of Planning, Fort Lauderdale, Florida.

April 7, 1997. "Modeling Water System Damage with GIS" American Planning Association National Conference, San Diego, California.

November 20, 1996. "Planning Disaster Resistant Communities" Central United States Earthquake Consortium Annual Conference, Memphis, Tennessee.

July 29, 1996. "Organizational Structures for GIS Implementation" Annual Conference of the Urban and Regional Information Systems Association, Salt Lake City, Utah.

April 15, 1996. "Making Governments Plan" American Planning Association National Conference, Orlando, Florida.

October 21, 1995. "Modeling the Social and Economic Impacts of Infrastructure Damage with GIS" 37th Annual Meeting of the Association of Collegiate Schools of Planning, Detroit, Michigan.

July 19, 1995. "Modeling the Population Impacts of Infrastructure Damage with GIS" Thirty-third Annual Conference of the Urban and Regional Information Systems Association, San Antonio, Texas.

July 17, 1995. "Assessing the Effectiveness of Land Use Planning for Earthquake Hazard Mitigation" at Natural Hazards Research and Applications Workshop, Boulder, Colorado.

November 6, 1994. "Planning for the 1996 Olympics: Stadia, Infrastructure and Redevelopment" 36th Annual Meeting of the Association of Collegiate Schools of Planning, Tempe, Arizona.

August 11, 1994. "Using GIS in Olympic Redevelopment Planning" Thirty-second Annual Conference of the Urban and Regional Information Systems Association, Milwaukee, Wisconsin.

July 18, 1994. "Modeling Societal Impacts of Earthquake Damage to Infrastructure with GIS" Natural Hazards Research and Applications Workshop, Boulder, Colorado.

April 18, 1994. "Reinventing Planning Decision Support Systems" 1994 American Planning Association National Conference, San Francisco, California.

October 31, 1993. "A Tale of Two Cities: Comparing the Loma Prieta and Whittier Narrows Earthquakes" 35th Annual Meeting of the Association of Collegiate Schools of Planning, Philadelphia, Pennsylvania.

July 28, 1993. Organized and Chaired session, "The Atlanta Project" Thirty-first Annual Conference of the Urban and Regional Information Systems Association, Atlanta, Georgia.

July 28, 1993. "Using Commercial Data in Urban Planning Applications" Thirty-first Annual Conference of the Urban and Regional Information Systems Association, Atlanta, Georgia.

May 3, 1993. "State Planning Mandates: The Effect on Local Plans" American Planning Association National Planning Conference, Chicago, Illinois.

January 29-30, 1993. Chaired Working Group in National Science Foundation Workshop "Geographic Information Systems and Their Application in Geotechnical Engineering," Atlanta, Georgia.

September 29, 1992. "System Planning: Finding the Right Solution" at the Fifth Annual Southeast GIS Conference, Atlanta, Georgia.

July 14, 1992. "Reconciling Census and Tax Assessor Mapping Systems" at the 30th Annual Conference of the Urban and Regional Information Systems Association, Washington, D.C.

January 9-10, 1992. Participant in National Science Workshop " Architectural Research Needs in Earthquake Hazard Mitigation," Cambridge, Massachusetts.

August 14, 1991. "A Knowledge-Based Approach to Using Existing Data for Seismic Risk Assessment" the Annual Conference of the Urban and Regional Information Systems Association, San Francisco, California.

August 12, 1991. "Analyzing Rural Development Alternatives Using a Geographic Information System" Annual Conference of the Urban and Regional Information Systems Association, San Francisco, CA.

November 3, 1990. "Modeling Earthquake Damage for Urban Infrastructure with GIS" 32nd Annual Conference of the Association of Collegiate Schools of Planning, Austin, Texas.

November 1, 1990." Using Geographic Information Systems in Analyzing Alternative Development Strategies" at ACSP Computer Users Group, Austin Texas.

July 17, 1990. "Loma Prieta Infrastructure Damage" 15th Annual National Hazards Research and Applications Workshop, Boulder, Colorado.

April 23, 1990. Organized and moderated a panel entitled "Building and Managing a Geographic Information System" at APA National Planning Conference, Denver, Colorado.

October 5, 1989. "California Planning Agency Experiences with Automated Mapping and Geographic Information Systems" at the 31st Annual Conference of the Association of Collegiate Schools of Planning, Portland, Oregon.

August 8, 1989. "Linkages between Planning and Engineering Mapping Requirements" at the 1989 Annual Conference of the Urban and Regional Information Systems Association, Boston, MA.

May 18, 1989. "Assessing the Needs of a Planning Department for Automated Mapping Systems" California County Planning Directors Association, San Luis Obispo, California.

April 30, 1989. Organized and moderated session entitled "GIS and Urban Planning: A Vendor Dialogue" at APA National Planning Conference, Atlanta, Georgia.

October 29, 1988. "Computer Adoption and Use in California Planning Agencies: Implications for Education" at the 30th Annual Conference of the Association of Collegiate Schools of Planning, Buffalo, New York.

August 10, 1988 - "An Automated Lifeline Inventory for Earthquake Damage Modeling" at the 26th Annual Conference of the Urban and Regional Information Systems Association, Los Angeles, California.

August 9, 1988. "Current Trends in Microcomputer Adoption and Use in California Planning Agencies" at 26th Annual Conference of the Urban and Regional Information Systems Association, Los Angeles, California.

November 6, 1987. "Analyzing the Risk of Natural Hazard Damage to Urban Infrastructure" at the Association of Collegiate Schools of Planning Annual Meeting, Los Angeles, California.

November 5, 1987. "Microcomputer Use in California Planning Agencies: Implications for Planning Education" at Microcomputer Users Group of the American Collegiate Schools of Planning Annual Meeting, Los Angeles, California.

July 20, 1987. "Coping with Losses to Infrastructure" at National Hazards Workshop, Boulder, Colorado.

April 23, 1987 - Panelist on "Impact of Computing Technologies on Planning Curricula" at MIT / Lincoln Institute of Land Policy Conference on "Computing in Planning Education," Boston, Massachusetts.

October 9, 1986 – "Available GIS and Computer Mapping Software" Association of Collegiate Schools of Planning Microcomputer Users Group, Milwaukee, Wisconsin.

September 29, 1986 – "Computer Mapping Systems" International City Managers Association Annual Conference, San Diego, California.

April, 1986 - Organized and chaired session on Earthquakes and Geologic Hazards at American Planning Association National Conference, Los Angeles, California.

July 8, 1985 - "The Evolution of Decision Support Systems for Earthquake Hazard Mitigation" Natural Hazards Workshop, Boulder, Colorado.

April 20, 1985 - "Teaching Computer Applications in an Undergraduate Planning Program" ACSP Microcomputer Users Group, Montreal, Canada.

August 16, 1984 - "Earthquake Information Needs of Local Governments" at USGS workshop on Regional and Urban Earthquake Hazards and Risk, Salt Lake City, Utah.

UNIVERSITY COMMITTEES

Georgia Institute of Technology

Strategic Technology Investment Committee (STIC) – 2011-present
Georgia Tech Conflict of Interest Committee - 2011-2013
Georgia Tech Associate Deans for Research Council - 2010-2013
Georgia Tech Strategic Plan Implementation Committee - 2011-2013
GCATT Internal Review Committee, Co-Chair - 2012
Civil and Environmental Engineering Dickerson Chair Search Committee - 2012
Civil and Environmental Engineering Chair Search Committee - 2011-2012
Faculty Release Time Accounts Task Force - 2012
Georgia Tech IGERT Review Committee - 2012
Georgia Tech FIRE Review Committee - 2012
Georgia Tech Global FIRE Review Committee - 2012
Telepsen Endowed Chair in Sustainability Search Committee - 2010-2011
Georgia Tech Executive Vice President for Research Search Committee - 2010
Georgia Tech President Search Committee - 2008-2009
Georgia Tech Promotion and Tenure Committee - 2000-02, 2006-07, 2008-2009
Georgia Tech Graduate Curriculum Committee - 2008-2009
Provost's Task Force on Interdisciplinary Research - 2007-2008
College of Architecture Promotion and Tenure Committee - Chair, 2000-02, 2006-07, 2008-2009
College of Architecture Curriculum Committee - 2007-2009
Provost's Task Force on Interdisciplinary Research - 2007-2008
College of Architecture Dean Search Committee - 2007-2008
College of Architecture Task Force on Research Centers and Academic Programs - Chair -2007
Vice Provost for Undergraduate Studies Search Committee - 2005
City and Regional Planning Faculty Search Committee, Chair - 2004-2005
Georgia Tech Research Promotions Committee - 2003-2004
Georgia Tech Post-Tenure Oversight Committee - 2002-2003
College of Architecture Executive Council - 1993-2008
Harry West Endowed Chair Search Committee - Chair - 2000-2001
College of Architecture Dean's Review Committee - 1999-2000
Georgia Tech Registrar Search Committee - 1999-2000
President's Sustainability Policy Council -1995-1996
College of Architecture Information Technology Committee - Chair - 1994-1996
Architecture Program Director Search Committee - 1993
College of Architecture Dean Search Committee - 1992
College of Architecture Advisory Committee - 1992-1994

California Polytechnic State University

Instructional Advisory Computing Committee - 1989-1991
Academic Senate - 1983-1987
University Long Range Planning Committee - member 1983-1984, chair 1984-1987
Architecture and Environmental Design Computer Committee - 1981-1991

PROFESSIONAL MEMBERSHIPS

American Planning Association
American Institute of Certified Planners
College of Fellows American Institute of Certified Planners
Earthquake Engineering Research Institute

PROFESSIONAL SERVICE

Planning Accreditation Board Site Review Team - Chair -1997, 1999, 2012
Planning Accreditation Board Site Review Team - Member - 1994, 1995, 2006
National Science Foundation - IGERT Review Panel - 2011
National Science Foundation - Review Panels - 1997, 2000, 2003, 2004, 2009
National Science Foundation - Proposal Reviewer - 1983-present
U.S. Geological Survey - Proposal Reviewer - 1985-1992
Journal of the American Planning Association - Editorial Board - 1996-2002; 2004-2011
Earthquake Engineering Research Institute - Task Force on Multidisciplinary Research - 2007
Earthquake Spectra - Editorial Board - 2004-2006
URISA Journal -Editorial Board - 1992-2000
Journal of Planning Education and Research - Editorial Board - 1991-1995
Computers, Environment and Urban Systems - Editorial Board - 1991-1996
Georgia Planning Association - AICP Exam Review Course Lecturer - 1998-present
Georgia Planning Association – Community Planning Institute - 2004-2005
Urban and Regional Information Systems Association - Board of Directors - 1995-1998
Project Oversight Committee - Standardized Loss Estimation Methodology (HAZUS)-1993-1997
ACSP - Distinguished Educator Award Committee - Chair - 1994 and 1995
ACSP Conference Land Use Track - Chair 2001-2004
Atlanta Regional Commission - Land Use Coordinating Committee - Member - 2003-present
Atlanta Regional Commission Regional Development Plan Team - Member - 2001- 2004
Georgia Planning Association - Professional Development Officer – 1998-1999
San Luis Obispo County Land Conservancy - Board of Directors – 1985-1991
American Planning Association - Information Technology Division – Treasurer - 1989-1991
Journal of the American Planning Association - Referee - 1980-present
Journal of Planning Education and Research – Referee - 1973-present
Natural Hazards Review - Referee - 2000-present
Journal of Environmental Planning and Management - Referee - 2005-present
Journal of the Urban and Regional Information System Association - Referee - 1991-2003
State and Local Government Review - Referee - 1991-2000