

## NEIL REID

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The University of Toledo  
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### Education

- 1991 Ph.D., Arizona State University, Geography.  
1987 M.A., Miami University, Geography.  
1985 M.A., University of Glasgow, Geography.

### Academic Appointments

- 2012- Professor, Department of Geography and Planning, University of Toledo  
2011-12 Visiting Professor, European Faculty of Engineering, Częstochowa University of Technology, Poland.  
2006- Director, Urban Affairs Center, University of Toledo.  
2005-06 Interim Director, Urban Affairs Center, University of Toledo.  
2005 Visiting Research Scholar, Center for Regional Development, Bowling Green State University.  
2000-05 Director, Master of Liberal Studies Program, University of Toledo  
1997-12 Associate Professor, Department of Geography and Planning, University of Toledo.  
2002-05 Faculty Research Associate, Urban Affairs Center, University of Toledo  
1993-95 Faculty Research Associate, Urban Affairs Center, University of Toledo.  
1991-97 Assistant Professor, Department of Geography and Planning, University of Toledo.  
1988-91 Teaching Associate, Department of Geography, Arizona State University.  
1987-88 Research Associate, Department of Geography, Arizona State University.  
1986-87 Research Assistant, Department of Geography, Miami University.  
1985-86 Teaching Assistant, Department of Geography, Miami University.

1985 Research Assistant, Department of Geography, The University of Glasgow.

### Awards

2010 Edith Rathbun Award for Excellence in Outreach and Engagement, University of Toledo.  
2009 Distinguished Service Award, Association of American Geographers Regional Development and Planning Specialty Group.  
2008-09 Outstanding Researcher Award, University of Toledo.  
1999-01 Master Teacher, University of Toledo.  
1998 Fellow, University College, University of Toledo.  
1992 Institute of British Geographers Young Research Worker Award.

### Professional Service

2013- Executive Director, North American Regional Science Council.  
2012- Member, Regional Science Association International Council (representative of RSAmericas).  
2012- Editorial Board Member, ISRN Economics.  
2011- Editorial Board Member, Journal of Innovation and Entrepreneurship.  
2011 Member, International Advisory Committee, Third Global Conference on Economic Geography, Seoul, Korea, June 28-July 1.  
2011 Chair, Program Committee, North American Meetings of the Regional Science Association International, Miami, Florida, November 9-12.  
2010- Chair, International Geographical Union Commission on the Dynamics of Economic Spaces.  
2010-11 President, European ProClusters Association.  
2010- Book Review Editor, Economic Development Quarterly.  
2010 Co-organizer, International Geographical Union's Commission on the Dynamics of Industrial Space Conference on Local Food Systems in Old Industrial Regions, Toledo, Ohio, August 3-7.  
2010 Chair, Program Committee, North American Meetings of the Regional Science Association International, Denver, Colorado, November 10-13.  
2009 Executive Board Member of the European ProCluster Association.  
2009 Member, Program Committee, The 2009 Conference on Advances in Social Network Analysis and Mining, Athens, Greece, July 20-22.  
2009- Editorial Board Member, Applied Geography.  
2008- Member, The Competitiveness Institute's Cluster Evaluation Network.  
2008-10 Vice Chair, International Geographical Union Commission on the Dynamics of Economic Spaces.  
2008- Member (ex-officio) North American Regional Science Council.  
2007- Editor for the Americas, Regional Science Policy and Practice.  
2004-09 Executive Board Member, Ohio Association of Economists and Political Scientists.  
2005 Co-organizer, International Geographical Union's Commission on the Dynamics of Industrial Spaces Conference, on Enterprising Worlds: Entrepreneurship and Ethics for Sustainable Futures, Toledo, Ohio, August 2-6.  
2005 Member, Workshop Operational Committee, International Workshop on Accelerated Radical Innovation, Toledo, Ohio March 10-12.  
2002-2005 Co-editor, The Industrial Geographer.

- 1997-2000            Member, Editorial Board, The Professional Geographer.
- 1992-                 Manuscript reviewer for the following journals –Annals of the Association of American Geographers; Annals of Regional Science, Applied Geography, Applied Spatial Analysis and Policy; Canadian Geographer; Computers, Environment, and Urban Systems; Economic Development Quarterly; European Urban and Regional Studies, Geographical Journal, Growth and Change; Industrial Geographer; International Journal of Applied Geospatial Research; International Journal of Production Research; International Regional Science Review; Journal of Economics and Politics, Journal of Regional Science; Papers in Regional Science; Professional Geographer; Regional Studies; Resources, Conservation, and Recycling; Southeastern Geographer; Urban Geography, Urban Studies.
- 1991-                 Grant reviewer for the following agencies - National Science Foundation Geography and Regional Science Program, John Simon Guggenheim Memorial Foundation, Graduate Student Association Research Development Program of Arizona State University.

### **Professional Memberships**

Association of American Geographers.  
 Association of Collegiate Schools of Planning.  
 European ProCluster Association.  
 International Economic Development Council.  
 International Network for Social Network Analysis.  
 Regional Science Association International.  
 Southern Regional Science Association.  
 Western Regional Science Association.  
 The University of Glasgow Geographical Society.

### **Publications**

- 2013    Shetty,Sujata and Neil Reid. Global challenges and local responses: Creating a new urban world in the shrinking cities of the U.S. industrial midwest. Regional Science Policy and Practice (forthcoming).
- 2013    Reid, Neil. and Gatrell Jay D. Cluster-based economic development: 4 cases for context in developing regions. In Ashok Dutt, Allen G. Noble, Frank J. Costa, Rajiv Thakur and Sudhir Thakur (eds.) Spatial Diversity and Dynamics in Resources and Urban Development, Netherlands: Springer (Vol-II) (under contract and forthcoming)
- 2012    Reid, Neil and Bruce W. Smith. Collaboration in local economic development: The case of Toledo. Urbani izziv, 23(S1), 85-93.
- 2012    Reid, Neil and Bruce W. Smith. Assessing the success of an industrial cluster. International Journal of Applied Geospatial Research, 3(3), 21-36.
- 2012    Reid, Neil, Jay D. Gatrell, and Paula Ross (eds.). Local food systems in old industrial regions: Spatial context and local practices, Aldershot: Ashgate, 260pp.

- 2012 Gatrell, Jay, Neil Reid, and Paula Ross. Local food systems and old industrial regions. In Reid, Neil, Jay D. Gatrell, and Paula Ross (eds.). Local food systems in old industrial regions: Spatial context and local practices, 1-5, Aldershot: Ashgate.
- 2012 Reid, Neil, Jay Gatrell, and Paula Ross. Toward a relational geography of local food systems: Or wicked food problems without quick spatial fixes. In Reid, Neil, Jay D. Gatrell, and Paula Ross (eds.). Local food systems in old industrial regions: Spatial context and local practices, 251-260, Aldershot: Ashgate.
- 2012 Calzonetti, Frank C., Diane Miller, and Neil Reid. : Building both Technology-Intensive and Technology-limited Clusters by Emerging Research Universities: The Toledo Example, Applied Geography, 34, 265-273.
- 2012 Steiger, Thomas L., Jeanette Eckert, Jay D. Gatrell, Neil Reid, and Paula Ross. Cultivating Narratives: Cultivating Successors. Journal of Agriculture, Food Systems, and Community Development (Advance online publication. <http://dx.doi.org/10.5304/jafscd.2012.022.012>).
- 2011 Gatrell, Jay D., Neil Reid, and Paula Ross. Local Food Systems, Deserts, and Maps: The spatial dynamics and policy implications of food geography, Applied Geography, 1-2.
- 2010 Gatrell, Jay D., Rajiv Thakur, Neil Reid, and Bruce W. Smith. Clusters and "listening": Situating local economic development. Journal of Applied Research in Economic Development, 7(1): 14-25.
- 2010 Reid, Neil and Bruce W. Smith. Evaluating the success of an industrial cluster. Papers of the Applied Geography Conferences, 33, 244-251.
- 2010 Reid, Neil and Paula S. Ross. Firm foundation for vital cluster initiatives. Excellence, January, 11-13.
- 2010 Reid, Neil. Growers collaborate to address challenges. Greenhouse Management and Production, July, 8, 10-11.
- 2009 Marketing and growing place-based clusters: The case of the northwest Ohio greenhouse industry. Papers of the Applied Geography Conferences, 32: 40-46 (with Bruce W. Smith, Dwight Haase, Paula Ross, Anastasia Mirzoyants, and Jay D. Gatrell).
- 2009 Reid, Neil, Bruce W. Smith, Jay D. Gatrell, and Michael C. Carroll. Importing change: Canadian competition and the US floriculture industry. The Industrial Geographer. 6(1): 3-19.
- 2009 Reid, Neil. Maumee Valley Growers - Choosing the very best. Excellence, January/February, 20-23.
- 2009 Reid, Neil and Bruce W. Smith. Social network analysis: Its use in local economic development. Economic Development Journal, 8(3): 48-55.
- 2009 Frizado, Joseph, Bruce W. Smith, Michael C. Carroll, and Neil Reid. Impact of polygon geometry on the identification of economic clusters. Letters in Spatial and Resource Sciences. 2, 31-44.

- 2009 Gatrell, Jay D., Neil Reid, Thomas Steiger, Bruce W. Smith, and Michael C. Carroll. "Value"-chains: Identity, tradition, and Ohio's flori(culture) industry". Applied Geography, 29: 346-357.
- 2009 Reid, Neil, Michael C. Carroll, Bruce W. Smith, and Joseph P. Frizado. GIS and economic development. In Gatrell, J. and Jensen, R. (eds.) Geotechnologies and the Environment: Socioeconomic and Planning Applications, 5-28. Heidelberg: Springer-Verlag.
- 2008 Potential cluster regions: the case of the floriculture industry. In Prasad, B.V.S. and Kapoor, Srikant (eds.) Commercial Floriculture: Global and Indian Dynamics. Hyderabad: The Icfai University Press, 111-122 (with Michael C. Carroll and Bruce W. Smith)
- 2008 Reid, Neil, Bruce W. Smith, and Michael C. Carroll. Cluster regions: A social network perspective. Economic Development Quarterly, 22(4): 345-352.
- 2008 Reid, Neil and Michael C. Carroll. Creating trust through branding: the case of northwest Ohio's greenhouse cluster. In Stringer, C. and R. LeHeron (eds.). Agri-food Commodity Chains and Globalizing Networks, London: Ashgate, 175-188.
- 2008 Carroll, Michael C., Neil Reid, and Bruce W. Smith. Location quotients versus spatial autocorrelation in identifying potential cluster regions. Annals of Regional Science, 42(2): 449-463.
- 2008 A methodology for the Implementation of a new industrial cluster, Proceedings of the Regional Science Association International (RSAI) World Congress, 1-13, (with Bruce W. Smith and Michael C. Carroll).
- 2007 Reid, Neil, Michael C. Carroll, and Bruce W. Smith, Critical steps in the cluster building process. Economic Development Journal, 6(4), 44-52.
- 2007 Potential cluster regions: the case of the U.S. floriculture industry. Papers of the Applied Geography Conferences, 30: 59-66 (with Bruce W. Smith and Michael C. Carroll).
- 2006 Gatrell, Jay D. and Neil Reid. Enterprising Worlds: A Geographic Perspective on Economics, Environments, and Ethics, Springer: Dordrecht, 270pp.
- 2006 Reid, Neil and Michael C. Carroll. Collaborating to compete: The case of the northwest Ohio greenhouse industry. In J.D. Gatrell and N. Reid (eds.), Enterprising Worlds: A Geographic Perspective on Economics, Environments, and Ethics, Springer: Dordrecht, 41-56.
- 2006 Specialized agriculture: Local and global competitors in Ohio's greenhouse industry. In J.D. Gatrell and N. Reid (eds.), Enterprising Worlds: A Geographic Perspective on Economics, Environments, and Ethics, Springer: Dordrecht, 57-70 (with J.D. Gatrell, P.S. Lindquist, and E. LaFary).
- 2006 Reid, Neil and Michael C. Carroll. Structuring a successful greenhouse cluster in northwest Ohio. Economic Development Journal, 5(4): 42-49.

- 2006 Placing economic development narratives into emerging economic spaces: Project Jeep, 1996-1997. In J.W. Harrington and Richard LeHeron. New Economic Spaces: New Economic Geographies, Aldershot: Ashgate, 108-118 (with Jay D. Gatrell).
- 2006 Reid, Neil and Michael C. Carroll. Growing the greenhouse industry. Greenhouse Product News, 16(8), 56-59.
- 2005 Reid, Neil and Michael C. Carroll. Using cluster-based economic development to enhance the economic competitiveness of northwest Ohio's greenhouse nursery industry. Papers and Proceedings of Applied Geography Conferences, 28, 309-319.
- 2004 Gatrell, Jay D. and Neil Reid. The Global Economy: A Primer on Spatial Context and Trajectories (2<sup>nd</sup> ed). Kendall-Hunt Publishers, Dubuque: Iowa, 132pp.
- 2004 Breaking down barriers: The role of technology in enhancing accessibility for adult learners. Proceedings of the Twenty-third National Conference on Alternative and External Degree Programs for Adults, 353-359. (with Karen Rhoda and Janet Green).
- 2003 Uncertainty, incentives, and the preservation of an industrial icon: The case of Toledo Jeep. In Nicholas Phelps and Philip Raines (eds.), The New Competition for Inward Investment, Cheltenham: Edward Elgar Publishing, 99-117. (with Jay D. Gatrell).
- 2003 Northwestern Ohio: Re-industrialization and emission reduction. In Association of American Geographers GCLP Research Team (eds.), Global Change and Local Places, Cambridge: Cambridge University Press, 103-121 (with Samuel A. Aryeetey-Attoh, Peter S. Lindquist, and William A. Muraco).
- 2002 Gatrell, Jay D. and Neil Reid. The cultural politics of local economic development: The case of Toledo Jeep. Tijdschrift voor Economische en Sociale Geografie, 94(4): 397-401.
- 2002 Gatrell, Jay D. and Neil Reid. The Global Economy: A Primer on Spatial Context and Trajectories. Kendall-Hunt Publishers, Dubuque: Iowa, 104pp..
- 2002 Reid, Neil. The Restless Landscape: An Introduction to Human Geography. Kendall-Hunt Publishers, Dubuque: Iowa, 149pp.
- 2001 Reid, Neil. Manufacturing. World Geography. Volume 1. Pasadena: Salem Press, 290-294.
- 1998 Constructing each other: collaborating across disciplines and roles. In Haviland, C.P.; Notarangelo, M.; Whitley-Putz, L.; and Wolf, T. (eds.). Weaving Knowledge Together: Writing Centers and Collaboration, Emmitsburg, MD: NWCA Press, 153-170 (with Joan Mullin, Doug Enders, and Jason Baldrige).
- 1998 Reid, Neil, Rey Boezi, Sue Wuest, Anthony Allen, and Mary Bielen. Industrial Retention & Expansion Survey of Firms Located in Toledo's Industrial Core, Toledo: The Urban Affairs Center, The University of Toledo, 33pp.
- 1998 Moon, Henry E., Gerald Smolen, and Neil Reid. Documenting the Total 1997 Economic Impact of the Toledo-Lucas County Port Authority. Report prepared for Toledo-Lucas County Port Authority, 42pp.

- 1997 O hUallachain, Breandan and Neil Reid. Acquisition versus greenfield investment: the location and growth of Japanese manufacturers in the United States. Regional Studies, 31(4), 403-416.
- 1996 O hUallachain, Breandan and Neil Reid. Sectoral differences in the determinants of the location of foreign direct investment in American manufacturing. Papers in Regional Science, 75(2), 99-117.
- 1996 O hUallachain, Breandan and Neil Reid. The intrametropolitan location of services in the United States. Urban Geography, 13(4), 334-354.
- 1996 O hUallachain, Breandan and Neil Reid. Source country differences in the spatial distribution of foreign direct investment in the United States. The Professional Geographer, 44(3), 272-285.
- 1996 Reid, Neil, Review of Japanese Multinationals in the Changing Context of Regional Policy by Man-Hee Han, Aldershot, Avebury, Growth and Change, 27(2), 263-266.
- 1996 Locational determinants of foreign direct investment in Ohio. Proceedings of the Fifth Annual Bayer International Conference, 127-130 (with Andrew Solocha).
- 1995 Reid, Neil, Just-in-time inventory control systems and the economic integration of Japanese-owned manufacturing plants with the county, state, and national economies of the United States. Regional Studies, 29(4), 345-355.
- 1995 Reid, Neil, Andrew Solocha, and Breandan O hUallachain. Japanese corporate groups and the locational strategy of Japanese auto and component parts makers in the United States. In McNaughton, Rod, and Milford B. Green. The Location of Foreign Direct Investment: Geographic and Business Approaches, Aldershot: Avebury, 107-120.
- 1993 O hUallachain, Breandan and Neil Reid. The location of services in the urban hierarchy and regions of the United States. Geographical Analysis, 25(3), 252-267.
- 1993 Reid, Neil. Review of The Changing US Auto Industry: A Geographical Analysis by James M. Rubenstein, New York, Routledge, The Professional Geographer, 45(3), 382-383.
- 1993 Reid, Neil. Review of The Changing US Auto Industry: A Geographical Analysis by James M. Rubenstein, New York, Routledge, Industrial Relations Journal, 24(3), 250-252.
- 1993 Review of Venture Capital: International Comparisons by Milford B. Green (ed.), New York, Routledge, Growth and Change, 24(1), 144-147
- 1992 Technological change and the concentration of the U.S. general cargo port system: 1970-88. Economic Geography, 68(3), 272-289 (with Michael Kubly).
- 1991 Japanese direct investment in the United States manufacturing sector. In Morris, Jonathan (ed.), Japan and the Global Economy: Issues and Trends in the 1990s, 1991, London: Routledge, 61-90.

- 1991 The location and growth of business and professional services in American metropolitan areas, 1976-1986. Annals of the Association of American Geographers, 81(2), 254-270 (with Breandan O hUallachain).
- 1991 Phoenix in flux: household instability, residential mobility, and neighborhood change. Annals of the Association of American Geographers, 81(1), 80-88 (with Patricia Gober and Kevin McHugh).
- 1990 Spatial patterns of Japanese investment in the US automobile industry. Industrial Relations Journal, 21(1), 49-59.
- 1990 Determinants of short- and long-term mobility expectations for homeowners and renters. Demography, 27(1), 81-95 (with Patricia Gober and Kevin McHugh).
- 1990 Comments on "Japan's direct manufacturing investment". The Professional Geographer, 42(2), 223-226 (with Breandan O hUallachain).
- 1987 Ohio's Motor Vehicle Industry: Industrial Change and Geographical Implications, Miami Geographical Research Papers No.1, Oxford: Department of Geography, Miami University, 55pp (with James M. Rubenstein).

#### **Grants**

- 2011 Northwest Ohio Solar and Advanced Renewable Energy Innovation System. PI-Neil Reid, Co-PI-Sue Wuest. Ohio Department of Development. Amount, \$250,000
- 2010 Greenhouse nurseries Ohio project. PI-Neil Reid, Co-PI- Debra Boardley. United States Department of Agriculture. Amount, \$1,291,680.
- 2009 Greenhouse nurseries Ohio project. United States Department of Agriculture. PI-Neil Reid. Amount, \$390,720.
- 2009 The study of local governments collaboration in Lucas County. PI-Neil Reid, Co-PIs-Sue West and Paula Ross. Ohio Commission on Local Government Reform. Amount, \$14,999.
- 2009 Payroll tax revenue projection for the City of Toledo in 2008-2009. PI-Neil Reid, Co-PIs-Oleg A. Smirnov and David Black. City of Toledo. Amount, \$6,000.
- 2009 Exploring the public value of Ohio's history. PI-Neil Reid, Co-PIs-Dwight Haase and Oleg A. Smirnov. Ohio Historical Society. Amount, \$70,706.
- 2008 Greenhouse nurseries Ohio project. United States Department of Agriculture. PI-Neil Reid. Amount, \$350,391.
- 2008 Toledo community food assessment and planning project. PI-Neil Reid, Co-PI-Barbara Chesney. United States Department of Agriculture. Amount, \$11,500.
- 2007 Greenhouse nurseries. PI-Neil Reid. United States Department of Agriculture. Amount, \$444,676.
- 2007 Community technology needs: Revisiting CATNeT. PI-Neil Reid, Co-PI-Sue Wuest. Stranahan Foundation. Amount,\$16,500.



- 2007 Urban affairs center program plan. PI-Neil Reid. Ohio Board of Regents. Amount, \$160,500.
- 2007 Economic development research collaborative. PI-Neil Reid. Ohio Board of Regents. Amount, \$139,777.
- 2007 An analysis of the financial impacts of a potential merger between Washington Township and Centerville City, Ohio. PI-Neil Reid, Co-PIs-Hugh F. Hinton and Sue Wuest City of Centerville, Ohio. Amount- \$44,905.
- 2007 An analysis of the impacts of a merger between Sylvania Township and the City of Sylvania, Ohio. PI-Neil Reid, Co-PIs-Hugh F. Hinton, Sue Wuest, and Lynn W. Bachelor. Sylvania Area Community Improvement Corporation. Amount-\$16,162.
- 2007 Application of ARI methodology for accelerating innovation in healthcare. PI-John S. Dismukes, Co-PI-Lawrence K. Miller, Neil Reid. The University of Leeds, United Kingdom. Amount, \$368,509.
- 2006 Greenhouse nurseries Ohio project. PI-Neil Reid. United States Department of Agriculture. Amount. \$427,836.
- 2006 Greenhouse nurseries Ohio project. PI-Neil Reid. United States Department of Agriculture. Amount, \$3,000.
- 2006 Tax Revenue Projections for the City of Toledo. PI-Paul J. Kozlowski, Co-PI-Neil Reid. City of Toledo. Amount, \$4,600.
- 2006 HUD neighborhood networks. PI-Neil Reid. Lucas Metropolitan Housing Authority. Amount, \$47,865.
- 2006 Urban affairs center program plan. PI-Neil Reid. Ohio Board of Regents. Amount, \$160,500.
- 2006 Economic development research collaborative. PI-Neil Reid. Ohio Board of Regents. Amount, \$139,777.
- 2005 Enhancing the economic competitiveness of Ohio's greenhouse industry. PI-Neil Reid, Co-PI-Peter S. Lindquist. United States Department of Agriculture. Amount, \$375,543.
- 2005 Greenhouse nurseries Ohio. PI-Neil Reid, CoPI-Peter S. Lindquist. U.S. Department of Agriculture. Amount, \$14,088
- 2004 Greenhouse nurseries Ohio. United States Department of Agriculture. PI-Neil Reid, Co-PI-Peter S. Lindquist. \$312,641.
- 2003 Northwest Ohio greenhouse nursery industry. PI-Neil Reid, Co-PI-Peter S. Lindquist. United States Department of Agriculture. Amount, \$49,067.
- 2003 Industrial foundations of metropolitan Toledo. PI-Neil Reid, University of Toledo, Office of Research. Amount-\$5,000.

- 2002 The cultural politics of local economic development: The case of Toledo Jeep. University of Toledo, Office of Research. \$205.
- 2002 Acquisition of instrumentation in support of The Center for Geographic Information Science and Applied Geographics (GISAG). National Science Foundation (with Kevin P. Czajkowski, Patrick Lawrence, Samuel A. Aryeetey-Attoh, David J. Nemeth, and Peter S. Lindquist). \$167,000.
- 1999 Industrial geography: issues and trends in the new millennium. The University of Toledo Program for Academic Excellence Awards (with Timothy J. Bailey), \$4,587.
- 1998 Global change in local places: mitigation and adaptation strategies for local industries. National Aeronautics and Space Administration and The Association of American Geographers (with Samuel Aryeetey-Attoh, Peter S. Lindquist, and William A. Muraco), \$120,000.
- 1998 Small grant for teaching enhancement. Center for Teaching Excellence, The University of Toledo, \$275.
- 1997 Global change in local places: socioeconomic driving forces of greenhouse gas emissions. National Aeronautics and Space Administration and The Association of American Geographers, (with Samuel A. Aryeetey-Attoh, Peter S. Lindquist, William A. Muraco, and Pamela Showalter), \$131,468.
- 1997 The geography of the international economy. University of Toledo Program for Academic Excellence Awards (with Linda McCarthy), \$5,607.
- 1996 Global change in local places: inventory of greenhouse gas emissions for Northwest Ohio. National Aeronautics and Space Administration and The Association of American Geographers (with Samuel A. Attoh, Henry E. Moon, William A. Muraco, and Pamela Showalter), \$110,078.
- 1996 U.S. economic development: issues and trends for the 1990s. University of Toledo Program for Academic Excellence Awards (with Henry E. Moon), \$5,525.
- 1994 Locational influences of mode of entry decisions on foreign manufacturers. Ohio Board of Regents Research Challenge Program (with Andrew Solocha), \$23,932.
- 1994 A comparison of Japanese and Canadian direct manufacturing investment patterns in Ohio. The University of Toledo Small Grants for Research Support Program, \$500.
- 1993 A comparison of economic restructuring patterns in Western Europe and the United States. University of Toledo Program for Academic Excellence Awards (with William A. Muraco), \$2,750.
- 1992 Agglomeration economies and the location of Japanese-owned manufacturing plants in the U.S. urban hierarchy. Association of American Geographers, \$250.
- 1991 Travel grant to present research findings to the Annual Conference of the Association of American Geographers in Miami, Florida. Graduate College, Arizona State University, \$300.

- 1990 Travel grant to present research findings to the Annual Conference of the Institute of British Geographers, Glasgow, Scotland. Graduate College, Arizona State University, \$300.
- 1989 Japanese direct investment in the United States manufacturing sector. National Science Foundation (with Brendan O hUallachain), \$3,516.
- 1989 Material linkage patterns of Japanese direct investors in the United States manufacturing sector. Research Council of the Graduate Student Association, Arizona State University, \$862.
- 1989 Japanese direct investment in the U.S. manufacturing sector. Arizona-Nevada Academy of Science, \$250.

Between 1999 and 2004 I served as Graduate Internship Director for the Department of Geography and Planning. During that period internships valued at over \$750,000 were negotiated with a wide variety of agencies in both Ohio and Michigan. The agencies and total value of the contracts negotiated with these agencies are listed below:

City of Toledo, Department of Housing and Neighborhoods	\$148,281
Toledo-Lucas County Plan Commissions	\$84,671
Regional Growth Partnership	\$65,760
Fair Housing Center	\$52,785
Toledo Metropolitan Area Council of Governments	\$47,051
Downtown ToledoVision Inc.	\$42,796
Comerica Bank-Midwest, N.A.	\$38,278
Ottawa Community Development Corporation	\$33,306
Monroe County Emergency Management Division	\$29,732
Thompson Associates	\$26,090
A Better Tomorrow	\$24,896
EOPA/Toledo-Lucas County Head Start	\$20,546
Northriver Developmwent Corporation	\$20,302
Toledo Area Rapid Transit Authority	\$18,175
Fulton County Regional Planning Commission	\$18,382
Lucas County Auditor's Office	\$18,098
Centerior Energy	\$16,093
Visiting Nurse Extra Care	\$13,652
Photonics Technology, Inc.	\$13,545
Poggemeyer Design Group	\$13,200
Dana Corporation	\$10,227
Collaborative, Inc.	\$7,409
Lima/Allen County Regional Planning Commission	\$6,220
Neighborhood Housing Services	\$6,005

## **Presentations**

- 2012 The role of universities in supporting new technology industries through commercialization spin-off activities: the case of Ohio. Conference of the Japanese Section of the Regional Science Association International, Tokyo, Japan.
- 2012 Sustainability in the new urban world: Lessons from shrinking cities. International Scientific Workshop on Future Challenges of the New Urban World, Rabat, Morocco.

- 2012 The emergence of Toledo's solar energy industry: A new industry in an old economic space. International Geographical Congress, Cologne, Germany 2012.
- 2012 The benefits of participating in an industrial cluster from the perspective of the firm. European Regional Science Association Conference, Bratislava, Slovakia (with Michael C. Carroll and Bruce W. Smith).
- 2012 The Role of Social Capital in the Formation of Industrial Clusters. Conference of the Royal Geographical Society, Edinburgh, United Kingdom.
- 2012 The university and entrepreneurship. Conference on Entrepreneurship Challenges and Opportunities, Czestochowa, Poland.
- 2012 Building both technology-intensive and technology-limited clusters by emerging research universities, International Geographical Union Commission on the Dynamics of Economic Spaces Conference on Innovation and Creativity in Emerging Economic Spaces, Krakow, Poland (with Frank J. Calzonetti and Diane M. Miller).
- 2012 The role of social capital in the formation of industrial clusters. International Tinbergen Institute Workshop, Amsterdam, Netherlands (with Michael C. Carroll).
- 2012 Building social capital in an industrial cluster. Southern Regional Science Association Conference, Charlotte, North Carolina (with Michael C. Carroll).
- 2012 Evolutionary economic geography in the field(s): Sustained action and adaptive cluster management. Association of American Geographers Conference, New York, New York (with Jay D. Gatrell and Bruce W. Smith).
- 2012 Assessing the success of an industrial cluster. Western Regional Science Association Conference, Poipu, Hawaii (with Bruce W. Smith and Michael C. Carroll).
- 2012 The new urban world: 'A place 4 all' - some thoughts. Western Regional Science Association Conference, Poipu, Hawaii.
- 2011 Spatial and temporal patterns of unemployment during the recent recession: An analysis of its impact on the United States. International Geographical Union Regional Conference, Santiago, Chile (with Michael C. Carroll and Xinyue Ye).
- 2011 Measuring collaboration in local economic development systems. North American Conference of the Regional Science Association International, Miami, Florida Colorado (with Bruce W. Smith and Michael C. Carroll).
- 2011 The recession and the rural urban continuum. Pacific Regional Science Conference, Seoul, Korea (with Michael C. Carroll).
- 2011 Spatial patterns of recession in the United States. Third Global Conference on Economic Geography, Seoul, Korea (with Michael C. Carroll).
- 2011 Cluster-based economic development. Presented to the Faculty of Engineering, Czestochowa University of Technology, Czestochowa, Poland.

- 2011 Social network analysis: A tool for better understanding and managing your cluster. Presented as part of the European ProClusters Association Training Day, Helsinki, Finland
- 2011 The university as a partner – how universities can help SMEs and regions build up their innovative capacity. International Network of Small and Medium Enterprises Annual Conference, Helsinki, Finland (keynote presentation).
- 2011 Impact of the recent recession on rural areas of the United States. The International Geographical Union's Commission on the Dynamics of Economic Spaces Mini-conference on Globalizing Rural Places. Vechta, Germany (with Michael C. Carroll and Xinyue Ye).
- 2011 The use of social network analysis as a cluster management tool. The Competitiveness Institute's Regional Conference, Tallinn, Estonia (with Michael C. Carroll).
- 2011 Temporal changes in the social networks of an industrial cluster. Western Regional Science Association Conference, Monterey, California (with Bruce W. Smith and Paula Ross).
- 2010 Ohio hubs of innovation: A critical assessment. North American Conference of the Regional Science Association International, Denver, Colorado (with Michael C. Carroll).
- 2010 Ohio hubs of innovation: An overview. Ohio Association of Economists and Political Scientists Conference, Cleveland, Ohio (with Michael C. Carroll).
- 2010 Using social capital and social networks to enhance economic competitiveness in urban agriculture, International Geographical Union Commission on the Dynamics of Economic Spaces Conference on Wellbeing, Innovation, and Spatial Transformation, Groningen, The Netherlands (with Bruce W. Smith and Paula Ross).
- 2010 Evaluating the success of an industrial cluster. Association of American Geographers Conference, Washington, D.C. (with Bruce W. Smith).
- 2009 Community Indicators for the Toledo Metropolitan Statistical Area. Presented to The Ohio Society of Certified Public Accountants, Perrysburg, Ohio (with Michael C. Carroll).
- 2009 Tracking the evolution of an industrial cluster using social network analysis. North American Conference of the Regional Science Association International, San Francisco, California (with Bruce W. Smith and Paula Ross).
- 2009 Northwest Ohio greenhouse industry: Residential survey findings. Presented to the Maumee Valley Growers Association, Toledo, Ohio.
- 2009 Marketing and growing place-based clusters: The case of the northwest Ohio greenhouse industry. Applied Geography Conference, Baton Rouge, Louisiana (with Bruce W. Smith, Dwight Haase, Paula Ross, Anastasia Mirzoyants, and Jay D. Gatrell).

- 2009 The development of the northwest Ohio greenhouse cluster. Presented to Department of Earth Sciences, University of South Alabama, Mobile, Alabama.
- 2009 Geographic applications of social network analysis. East Lakes Division of the Association of American Geographers, Fairborn, Ohio (plenary presentation).
- 2009 Economic History of Northwest Ohio. Presented to representatives of SRI International, Toledo, Ohio (with D'Naie Jacobs).
- 2009 Community Scorecard. Presented to Community Forum for Toledo-Regional Economic Development, Toledo, Ohio (with Michael C. Carroll)
- 2009 Social network analysis: How it can be used to improve the management of an industrial cluster. The Competitiveness Institute Conference, Jyvaskyla, Finland.
- 2009 The development of the northwest Ohio greenhouse cluster. Presented to the University of Western Sydney, Hawkesbury Campus, Sydney, Australia.
- 2009 The generative and developmental role of universities in old industrial regions: The case of northwest Ohio, International Geographical Union's Commission on the Dynamics of Economic Spaces Conference, Perth, Australia, (with Frank J. Calzonetti and Bruce W. Smith).
- 2009 Alternative perspectives on the territorial delineation of industrial clusters. Association of American Geographers Conference, Las Vegas, Nevada, (with Bruce W. Smith and Michael C. Carroll).
- 2009 Using social network analysis to establish operational benchmarks for an industrial cluster. International Sunbelt Social Network Conference, San Diego, California (with Bruce W. Smith and Michael C. Carroll).
- 2009 Locating aspirational clusters: A spatial method for locating Ohio's wind energy cluster. Western Regional Science Association Conference, Napa, California (with Joseph P. Frizado, Bruce W. Smith, and Michael C. Carroll).
- 2009 Social underpinnings of an industrial cluster. Western Regional Science Association Conference, Napa, California (with Bruce W. Smith).
- 2009 The generative role of universities in non-totemic regions: The case of the University of Toledo in northwest Ohio. 4th Annual Meeting of the Regional Studies Association's Old Industrial Regions Research Network, Mönchengladbach, Germany February 2009 (with Bruce W. Smith and Frank J. Calzonetti).
- 2009 Social network analysis: Its application to industrial clusters. 2<sup>nd</sup> General Assembly of the European ProCluster Association, Vuokatti, Finland (with Bruce W. Smith and Paula Ross).
- 2009 Maumee Valley Growers: NW Ohio greenhouses collaborate to compete. The Ohio State University Short Course and Central Environmental Nursery Trade Show, Columbus, Ohio.

- 2009 Preliminary social network analysis/visualization: Dayton community initiative to reduce gun violence. Presented to City of Dayton Police Department, Dayton, Ohio (with Paula Ross).
- 2008 Organizing for regional collaboration in economic development. North American Conference of the Regional Science Association International, New York, New York (with Bruce W. Smith and Paula Ross).
- 2008 Collaboration in local economic development: The case of the Toledo, Ohio MSA. International Geographical Union Commission on the Dynamics of Economics Spaces Conference, Barcelona, Spain (with Bruce W. Smith).
- 2008 Collaborating to compete: The case of the northwest Ohio greenhouse industry, Graduate Student Association Research Symposium, University of Toledo, Toledo, Ohio (keynote speaker).
- 2008 The cultural imperatives of cluster development: Identity, tradition, and flori(culture) in Northwest Ohio, Association of American Geographers Conference, Boston, Massachusetts, (with Jay D. Gatrell, Thomas Steiger, Bruce W. Smith, and Michael C. Carroll).
- 2008 Linkages in a cluster: A social network analysis perspective, Association of American Geographers Conference, Boston, Massachusetts, (with Bruce W. Smith and Michael C. Carroll).
- 2008 A methodology for the Implementation of a new industrial cluster, Regional Science Association International (RSAI) World Congress, Sao Paulo, Brazil, (with Bruce W. Smith and Michael C. Carroll).
- 2008 Impact of polygon geometry on the identification of economic clusters, Western Regional Science Association Conference, Kona, Hawaii, (with Joseph Frizado, Bruce W. Smith and Michael C. Carroll).
- 2008 Social network analysis: A cluster-based economic development management Strategy. Presented to Departments of Geography and Economics, Indiana State University, Terre Haute, Indiana (with Michael C. Carroll and Bruce W. Smith).
- 2008 Social network analysis: A cluster-based economic development management strategy, International Sunbelt Social Network Conference, St. Pete Beach, Florida, (with Bruce W. Smith and Michael C. Carroll).
- 2007 Social network analysis and local economic development. Ohio Association of Economists and Political Scientists Conference, Perrysburg, Ohio (with Michael C. Carroll and Bruce W. Smith).
- 2007 Business starts in Ohio. Ohio Association of Economists and Political Scientists Conference, Perrysburg, Ohio (with Bruce W. Smith).
- 2007 Potential cluster regions: the case of the U.S. floriculture industry. Applied Geography Conference, Indianapolis, Indiana, (with Michael C. Carroll and Bruce W. Smith).

- 2007 Creating an industrial cluster: Critical steps in the cluster building process. Applied Geography Conference, Indianapolis, Indiana, (with Bruce W. Smith and Michael C. Carroll).
- 2007 Learning networks of economic development agents: the case of northwest Ohio. Institute of British Geographers Conference, London, England (with Michael C. Carroll and Bruce W. Smith).
- 2007 The dynamics of cluster formation in accelerated radical innovation: bridging the inception to implementation gap. Portland International Conference for Management of Engineering and Technology, Portland, Oregon (with Michael C. Carroll)
- 2007 U.S. floriculture: an industry under threat. Second Global Conference on Economic Geography, Beijing, China (with Michael C. Carroll, Bruce W. Smith, and Peter S. Lindquist)
- 2007 Social network analysis in cluster-based economic development. Second Global Conference on Economic Geography, Beijing, China (with Michael C. Carroll and Bruce W. Smith)
- 2007 The impact of Canadian floriculture imports on the U.S. floriculture industry. Association of American Geographers Conference, San Francisco, California (with Bruce W. Smith and Michael C. Carroll)
- 2007 Location quotients versus spatial autocorrelation in identifying potential cluster areas. Western Regional Science Association Conference, Newport Beach, California (with Bruce W. Smith and Michael C. Carroll)
- 2007 Drivers of local economic development. Presented to Members of the E-4 Network, University of Birmingham, England (with Bruce W. Smith and Michael C. Carroll)
- 2006 The role of universities in the development of a new industrial cluster. Regional Science Association International Conference, Toronto, Ontario (with Michael C. Carroll).
- 2006 Social capital and cluster-based economic development. International Geographical Union's Regional Conference, Brisbane, Australia (with Michael C. Carroll)
- 2006 Building social capital through branding: The case of the northwest Ohio greenhouse industry. International Geographical Union's Commission on the Dynamics of Economic Spaces Conference, Auckland, New Zealand (with Michael C. Carroll).
- 2006 Social capital and cluster-based economic development. Western Social Science Association Conference (Association for Institutional Thought Subgroup), Phoenix, AZ (With Michael C. Carroll)
- 2006 Enhancing the economic competitiveness of the northwest Ohio greenhouse industry using a cluster-based approach. Association of American Geographers Conference, Chicago, IL (with Michael C. Carroll)
- 2006 Using cluster-based economic development to enhance the economic competitiveness of northwest Ohio's greenhouse industry. Western Regional Science Association Conference, Santa Fe, NM (with Michael C. Carroll)



- 2006 Maumee Valley Growers – Cooperating to better compete. Metropolitan Detroit Flower Growers Association Annual Meeting, Carleton, MI (with Joe Perlaky)
- 2005 Using a cluster-based strategy to secure the economic future of Northwest Ohio's greenhouse industry. Regional Science Association International Conference, Las Vegas, Nevada (with Michael C. Carroll)
- 2005 Using cluster-based economic development to enhance the economic competitiveness of northwest Ohio's greenhouse industry. Applied Geography Conference, Washington, D.C. (with Michael C. Carroll)
- 2005 Northwest Ohio's greenhouse cluster: From concept to implementation. Association of Collegiate Schools of Planning Conference, Kansas City, Missouri (with Michael C. Carroll)
- 2005 Applying cluster based economic development. Ohio Association of Economists and Political Scientists Conference, Columbus, Ohio (with Michael C. Carroll)
- 2005 Industrial clusters and accelerated radical innovation. Portland International Conference on Management of Engineering and Technology, Portland, Oregon (with Michael C. Carroll).
- 2005 Northwest Ohio's greenhouse cluster: From concept to implementation. International Geographical Union's Commission on the Dynamics of Economic Space Conference, Toledo, Ohio (with Michael Carroll).
- 2005 Canadian penetration of the U.S. floriculture market. International Geographical Union's Commission on the Dynamics of Economic Space Conference, Toledo, Ohio (with Peter S. Lindquist).
- 2005 Global production systems, foreign direct investment, and growth coalitions: Leveraging FDI in Toledo, Ohio to embed established industries in place. Association of American Geographers Conference, Denver, Colorado (with Jay D. Gatrell).
- 2005 Northwest Ohio's Greenhouse Industry: Competing with the Canadians. Association of American Geographers Conference, Denver, Colorado (with Peter S. Lindquist).
- 2005 Cluster-based economic development and radical innovation. International Workshop on Accelerated Radical Innovation, Toledo, Ohio (with Michael C. Carroll)
- 2005 Implementing cluster-based economic development. Western Regional Science Association Conference, San Diego, California (with Michael C. Carroll).
- 2005 Competing successfully in a global marketplace. Toledo Area Flower and Vegetable Growers Association Winter Conference, Monclova, Ohio (with Michael C. Carroll).
- 2004 Mobilizing cluster-based economic development programs: Lessons learned in designing a regional economic development strategy. North America Regional Science International (RSAI) Conference, Seattle, Washington (Michael C. Carroll).
- 2004 Regional development policy: Cluster-based strategy. Ohio Association of Economists and Political Scientists Conference, Cleveland, Ohio. (with Michael C. Carroll)

- 2004 Cluster-based economic development in Northwest Ohio. American Collegiate Schools of Planning Conference, Portland, Oregon (with Michael C. Carroll)
- 2004 Economic development for the 21st century: Industrial clusters as pathways to prosperity. 1st Conference on Accelerating the Radical Innovation Process, Charleston, South Carolina.
- 2004 Clusters and high-tech led economic development. Western Regional Science Association Conference, Maui, Hawaii (with Michael C. Carroll).
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to Toledo City Council, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to the National City Bank Loan Officers, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to Faculty Advisory Committee of the Urban Affairs Center, The University of Toledo, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to the Reynolds Road Rotary Club, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to the Northwest Ohio Regional Economic Development Association, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to the Economic Development Committees of the Toledo Area Chamber of Commerce, and the Regional Growth Partnership, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to the Boards of the Regional Growth Partnership, Toledo Area Chamber of Commerce, and the Toledo-Lucas County Port Authority, Toledo, Ohio.
- 2004 Industrial Clusters: Pathways to Prosperity. Presented to the Chairs of the Boards of the Toledo-Lucas County Port Authority, Toledo Area Chamber of Commerce, and the Regional Growth Partnership, Toledo, Ohio.
- 2004 The Northwest Ohio industrial cluster study. Regional Science Association International Conference, Philadelphia, Pennsylvania (with Michael C. Carroll).
- 2003 Spaces and places of economic geography: the case of Toledo Jeep and its lesson for contemporary economic development. International Geographical Union's Commission on the Dynamics of Economic Space Conference, Vancouver, British Columbia (with Jay D. Gatrell).
- 2003 The atlas of American economic restructuring. Association of American Geographers Conference, New Orleans, Louisiana (with Peter S. Lindquist).
- 2003 Breaking down barriers: the role of technology in enhancing accessibility for adult learners. Adult Higher Education Alliance Conference, Asheville, North Carolina (with Janet E. Green and Karen I. Rhoda).

- 2003 Distance learning at The University of Toledo – centralized support for liberal arts programming. WebCT Users Conference, San Diego, California (with Thomas E. Barden, Carol Nelson-Burns, and Karen I. Rhoda).
- 2002 The geography of Japanese direct investment in the United States: The state of knowledge and an agenda for future research. Symposium on Japan, Canada, and the Pacific Rim: Trade, Investment, and Security Issues, Center for Japanese Research, University of British Columbia, Vancouver, B.C.
- 2002 Just-in-time production systems and their spatial implications: what do we really know? Regional Science Association International Conference, San Juan, Puerto Rico.
- 2002 Models of faculty innovation for distance learning courses. Ohio Learning Network Conference, Columbus, Ohio (with Karen Rhoda, James Benjamin, Mark Fink, and John Cryan).
- 2000 Global change in local places: results from the northwest Ohio study area. Association of American Geographers Conference, Pittsburgh, Pennsylvania. (with Samuel A. Attoh and Peter S. Lindquist).
- 2000 Information asymmetry and Project Jeep. Association of American Geographers Conference, Pittsburgh, Pennsylvania.
- 1999 Toledo loves it Jeep: how a community saved an industrial icon. East Lakes Division of the Association of American Geographers Conference, Loudonville, Ohio (with Jay D. Gatrell).
- 1999 The Daimler-Chrysler merger: what it means for Jeep. Presented to the Compass Club, Toledo, Ohio.

- 1999 Toledo's new Jeep plant: implications for urban sprawl. American Collegiate Schools of Planning Conference, Chicago, Illinois.
- 1998 Industrial restructuring and environmental change in northwest Ohio. Association of American Geographers Conference, Boston Massachusetts.
- 1998 Lean production, mode of entry, and the location of Japanese manufacturing plants in the United States. Department of Geology and Geography, West Virginia University, Morgantown, West Virginia.
- 1997 Global change in local places - industrial and environmental change in northwest Ohio. East Lakes Division of the Association of American Geographers Conference, East Lansing, Michigan.
- 1996 Foreign direct investment in Ohio: the inter-county distribution of greenfield manufacturing plants. Association of American Geographers Conference, Charlotte, North Carolina, (with Andrew Solocha).
- 1996 Locational determinants of foreign direct investment in Ohio. Regional Science Association International Conference, Arlington, Virginia, (with Andrew Solocha).
- 1996 Acquisition versus greenfield investment: the location and growth of Japanese manufacturers in the United States. Institute of British Geographers Conference, Glasgow, Scotland (with Breandan O hUallachain).
- 1995 Locational determinants of foreign direct investment in Ohio. Bayer International Conference, Pittsburgh, Pennsylvania, (with Andrew Solocha).
- 1994 Foreign direct investment in the United States: Intersectoral variations. Association of American Geographers Conference, San Francisco, California (with Breandan O hUallachain).
- 1993 Locational determinants of foreign direct investment in Ohio. The North American Business Research Center Conference on Foreign Direct Investment, Toledo, Ohio, (with Andrew Solocha).
- 1993 Geography and Planning internships at The University of Toledo. East Lakes Division of the Association of American Geographers Conference, Toledo, Ohio.
- 1993 Sectoral variation in the spatial distribution of foreign direct investment in the United States manufacturing sector. Association of American Geographers Conference, Atlanta, Georgia (with Breandan O hUallachain).
- 1993 Containerization, intermodalism, and the concentration of the U.S. liner port system: 1970-88. Association of American Geographers Conference, Atlanta, Georgia (with Michael Kuby).
1992. National variation in the spatial distribution of foreign direct investment in the United States. Association of American Geographers Conference, San Diego, California (with Breandan O hUallachain).
- 1992 Japanese direct investment in the United States manufacturing sector. Institute of British Geographers Conference, Swansea, Wales.

- 1992 Japanese direct investment in the United States manufacturing sector. Department of Geography, Kent State University, Kent, Ohio.
1991. Economic linkage patterns of Japanese manufacturing plants in the United States. Association of American Geographers Conference, Miami, Florida.
- 1991 Japanese direct investment in the United States manufacturing sector. Department of Geography, University of California, Los Angeles, California.
- 1991 Japanese direct investment in the United States manufacturing sector. Department of Geography, The Ohio State University, Columbus, Ohio.
- 1991 Japanese direct investment in the United States manufacturing sector. Department of Geography, University of Toledo, Toledo, Ohio.
1990. Japanese direct investment in the United States manufacturing sector. Association of American Geographers Conference, Toronto, Ontario.
- 1990 Japanese direct investment in the United States manufacturing sector: changing sectoral and geographic patterns. Institute of British Geographers Conference, Glasgow, Scotland.
- 1990 Spatial patterns of Japanese investment in the United States automobile industry. Western Social Science Association Conference, Albuquerque, New Mexico.
- 1990 The changing geography of Japanese direct investment in the United States manufacturing sector. Department of Geography, Middlebury College, Middlebury, Vermont.
- 1990 The changing geography of Japanese direct investment in the United States manufacturing sector. Department of Geography, University of Iowa, Iowa City, Iowa.
- 1990 The changing geography of Japanese direct investment in the United States manufacturing sector. Department of Geography, Northern Illinois University, DeKalb, Illinois.
- 1990 The changing geography of Japanese direct investment in the United States manufacturing sector. Department of Geography, California State University, Fullerton, California.
- 1990 The changing geography of Japanese direct investment in the United States manufacturing sector. Department of Geography, Indiana University, Bloomington, Indiana.
1988. Changing locational characteristics of Ohio's motor vehicle parts supply industry. Association of American Geographers Conference, Phoenix, Arizona.
- 1987 The changing spatial distribution of the motor vehicle parts supply industry in Ohio. Applied Geography Conference, Knoxville, Tennessee.

## **Courses Taught**

Economic Geography of the United States (University of Toledo, Undergraduate).  
Human Geography (University of Toledo, Undergraduate).  
Industrial Geography (University of Toledo, Undergraduate).  
Introduction to Economic Geography (Arizona State University, Undergraduate).  
Introduction to Human Geography (Arizona State University, Undergraduate).  
Natural Resources and Economic Development (University of Toledo, Undergraduate).  
Patterns of World Development (University of Toledo, Undergraduate).  
Political Geography (University of Toledo, Undergraduate).  
Population Geography (University of Toledo, Undergraduate).  
Economic Geography of the United States (University of Toledo, Graduate).  
Economic Development and Social Change (University of Toledo, Graduate).  
Industrial Development (University of Toledo, Graduate).  
Industrial Geography (University of Toledo, Graduate).  
Natural Resources and Economic Development (University of Toledo, Graduate).  
Regional Development Theory (University of Toledo, Graduate).  
Industrial Location and Regional Development (Czestochowa University of Technology, Poland).  
Regional Economies in the 21<sup>st</sup> Century (Czestochowa University of Technology, Poland).

## **Graduate Advisees**

2007 Scott Fulton. Economic impact of downtown minor league ballparks.

2003 Jeffrey Wagoner. Analysis of trends of the spatial distribution of manufacturing employment in Ohio counties, 1987-1997

2001 John Erjavec. Reciprocity and the built environment.

1999 Ronald Malotke. Chrysler: Yesterday, today, and tomorrow.

1995 Bradley Funkhouser. Developing a regional automated trip planning system: a case study of Washington's Puget Sound region.

1995 Gina Sambuco. Locational determinants of maquiladoras. (winner of best graduate student paper presentation at Annual Conference of the East Lakes Division of the Association of American Geographers, Toledo, Ohio.

1994 Eric Petrotte. The location of the oil/water separator industry in the United States.

1993 Pengui Li. An analysis of spatial discrepancies of urban economic development in the People's Republic of China: 1980-1988.

1993 Kathleen Warren. Intermetropolitan variations in female employment growth in the United States, 1970-1990.

## **Institutional Service**

### **University of Toledo**

2011 Member, Outstanding Researcher Award Selection Committee  
2007-09 Member, University Survey Committee.  
2003-09 Member, Economic Development Council.

2008 Chair, Search Committee, Assistant Director of Incubation.  
 2007-08 Member, Science and Technology Operations Committee.  
 2004-06 Member, Faculty Senate  
 2002-06 Member, Distance Learning Advisory Committee.  
 2003-05 Member, Freshman Year Experience Committee.  
 2002-03 Member, Research Council.  
 2001 Member, Strategic Planning Committee, University Operations Sub-committee.  
 1999 Member, Program Review Committee for the Real Estate and Financial Markets Research Institute.  
 1997-00 Chair, Faculty Senate Superannuate Grievance Appeals Council.  
 1997 Member, Program Review Committee for the Master of Liberal Studies Program.  
 1995 Member, Program Review Committee for the Office of Professional Experience Programs.  
 1994 Member, University Hall 4th Floor Men's Restroom Renovation Committee.  
 1994 Member, Transit Planning Team.

**College of Arts and Sciences, University of Toledo**

2005-06 Member, Program Prioritization Committee.  
 1992-06 Member, Arts and Sciences Council.  
 2003-05 Chair, Dean's Essay Prize Selection Committee  
 2002-05 Chair, Elections Committee, Arts and Sciences Council.  
 2003-04 Member, Arts and Sciences Council Executive Committee.  
 2002-03 Chair Distance Learning Policy Committee.  
 2002-03 Member, Dean's Essay Prize Selection Committee.  
 2000-01 Chair, Elections Committee, Arts and Sciences Council.  
 1999-01 Chair, Dean's Essay Prize Selection Committee.  
 1998-99 Chair, Elections Committee, Arts and Sciences Council 2000-01, 2002-05.  
 1997-99 Member, Curriculum Committee.  
 1995-99 Member, Assessment Steering Committee.  
 1996-97 Chair, Rules and Constitution Committee, Arts and Sciences Council.  
 1995-96 Member, Development Officer Search Committee.  
 1992-94 Member, Curriculum Committee.

**Department of Geography and Planning, University of Toledo**

2011- Member, Budget Committee.  
 1997-00 Member, Personnel Committee.  
 1993-03 Director, Graduate Internship Program.  
 1992-03 Member, Graduate Curriculum Committee.  
 2002 Chair, Search Committee for GIS Faculty Member.  
 1996-97 Chair, Search Committee for Human Geography Faculty Member.  
 1995 Chair, Course Evaluation Review Committee.

**University College, University of Toledo**

2009 Chair, Search Committee, Assistant Director of Incubation.  
 2003 Member, Search Committee for Instructional Designer, Division of Distance Learning.  
 2002-03 Member, Search Committee for Chair of Individualized and Special Programs.  
 1997-03 Member, Individualized Program Review Committee.  
 1999-00 Member, Search Committee for Director of the Urban Affairs Center.  
 1999 Member, Search Committee for Economic Development Officer.  
 1995 Member, Adult Liberal Studies Course Advisory Committee.

- 1993-97 Member, Flexible Manufacturing Network Leadership Team, The Urban Affairs Center.
- 1994 Member, Search Committee for Flexible Manufacturing Network Project Coordinator, Urban Affairs Center.

**Other Institutional Service, University of Toledo**

- 2001-05 Member, Faculty Advisory Committee, Urban Affairs Center.
- 1999-05 Member, Board of Directors, Lutheran Campus Ministry.
- 2003-04 Treasurer, Lutheran Campus Ministry.
- 2003-04 Member, Search Committee, Department of Communications.
- 2002-04 Member, Disability Studies Faculty Steering Committee.
- 2002 President, Board of Directors, Lutheran Campus Ministry.

**Community Service**

- 2011- Member, Governance Board, Northwest Ohio Solar Hub.
- 2011 Member, Advisory Board, Toledo Design Center.
- 2010 Expert Witness to Toledo City Council Economic Development Committee on topic of tax incentives to industry.
- 2009-2010 Member, Board of Directors, Maumee Valley Growers Association.
- 2006-2009 Member, Advisory Board, Center for Regional Development, Bowling Green State University
- 2005-2009 Member, Regents Advisory Board, Ohio Urban Universities Program.
- 2004-2008 Member, Advisory Board, Maumee Valley Growers.

**References**

Available upon request.