

CURRICULUM VITAE

MICHAEL C. CARROLL



Center for Regional Development

BGSU

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Contact Information

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Research Concentrations

Regional Economic Development Theory, Political Economy, History of Economic Thought

Current Academic Positions

Director, Center for Regional Development, Bowling Green State University, Bowling Green, Ohio 43403. July 2005 to present.

Associate Professor of Economics, Department of Economics, Bowling Green State University, Bowling Green, Ohio 43403. March 2007 to present.

Editor-in-Chief, *Regional Science Policy and Practice*, the policy journal of the Regional Science Association International, Published by Wiley-Blackwell, ISSN: 1757-7802.

Associate Editor, *Economic Development Quarterly*, Sage Publications, ISSN:0891-2424, 2006 to present.

Guest Editor, *Applied Geography*, Special issue on local economic development, expected publication date 2011, Elsevier ISSN: 0143-6228.

Editorial Board, *The Industrial Geographer*, ISSN: 1540-1669, November 2005 to present.

President, Ohio Association of Economists and Political Scientists, October 2007 to present.

Host, PBS-WBGU *The Northwest Ohio Journal*. Host episodes on economic development issues. January 2006 to present.

Advisory Boards, Regional Science Association International, (Ex-officio) (2008 – to present); North American Regional Science Council (Ex officio) (2008-present); Mentor Panel, International Geographical Union's Commission on the Dynamics of Economic Spaces (2008 to present); Urban Affairs Center, University of Toledo, Toledo, Ohio (2005 to present); Lake Erie West, Toledo Ohio (2007 – present); Northwest Ohio Arts Exchange (2007 – present).

Previous Academic Experience:

Assistant Professor of Economics, Department of Economics, Bowling Green State University, Bowling Green, Ohio 43403. August 2001 to March 2007.

Senior Research Fellow, West Virginia Research League. The West Virginia Research League specializes in regional economic development and public policy research. Charleston, West Virginia (1996 to 2006)

Vice President, Ohio Association of Economists and Political Scientists, October 2006 to October 2007.

Secretary, Ohio Association of Economists and Political Scientists. November 2002 to November 2005.

Board Member, Ohio Association of Economists and Political Scientists, November 2002 to 2006.

Conference Committee, International Workshop on Accelerated Radical Innovation: Global Technology Cluster Development Challenges. Toledo, Ohio (March 2005).

Task Force, Scholarship of Engagement. Bowling Green State University. 2004-2005.

Chair, Association for Evolutionary Economics, Veblens-Commons Award Committee, 2004 & 2005.

Center for Policy Analysis & Public Service, Bowling Green State University, Bowling Green, Ohio, 43403. August 2001 to July 2005.

Visiting Scholar, University of Toledo, summer 2003

Editorial Board, *Journal of Economic Issues*. (January 1999 to 2002)

Assistant Professor, Department of Economics, West Virginia State College, Institute, West Virginia 25112. (August 1996 to 1997, August 1998 to August 2001.)

Assistant Professor, Department of Economics, Accounting & Business, Muskingum College, New Concord, Ohio 43762. (August 1997 to August 1998.)

Committee of Referees, Encyclopedia of Political Economy, Routledge, London. (1996 to 1998)

Temporary Instructor, Department of Economics, Colorado State University, Fort Collins, Colorado. (1993 to 1996.)

Graduate Teaching Assistant, Department of Economics, Colorado State University, Fort Collins, Colorado. (1991 to 1993.)

Previous Corporate Boards and Community Organizations

Co-Chair, Economic Practitioners' Working Group. The practitioners group is a working committee which meets weekly and includes representatives from local development organizations, City of Toledo, Toledo-Lucas County Port Authority, and the Toledo Chamber. Toledo, Ohio (2003 to 2006)

Workforce Investment Board, Information Committee, Toledo, Ohio (January 2005 to May 2006)

Board of Directors, Research and Development Corporation. Charleston, West Virginia (1999 to 2001)

Private Sector Experience:

Corporate Controller, Gray America Corp., Dayton, Ohio. Controller for a group of five consolidated steel companies. Managed all financial, accounting, tax and legal functions for the consolidated group. Responsibilities included public and private bond issues, acquisition financing and management of short-term investment portfolio. (1987-1990)

President, Gracemore Corporation., Kettering, Ohio. Gracemore Corporation is a subsidiary of DLH Corp. (1984)

Operations Manager, Universal Manufacturing Corp. Camden, Ohio. Managed all manufacturing and engineering divisions for parent and consolidated subsidiaries. Negotiated all labor union contracts [AFL-CIO] and supervised all labor arbitrations. (1983-1987)

Director of Systems and Procedures, DLH Corp., Dayton, Ohio. Implemented and supervised all inter and intra-corporation policies for parent, consolidated and non-consolidated subsidiaries. (1982-1983)

Education

Colorado State University (Economics)	Ph.D.	1997
Wright State University (Applied and Social Economics)	M.S.	1990
Wright State University (Business Economics)	B.S.	1982

Publications

Books:

Local Economic Development: Analysis, Practices, and Globalization. 2nd edition. Thousand Oaks, CA and London: Sage Publications, July 2008. ISBN-13: 978-1412964838 (Co-authored)

Creating Enterprise: Repositioning Local Economic Development. Palgrave Macmillan, forthcoming. (Co-authored)

A Future of Capitalism: The Economic Vision of Robert Heilbroner. London: Macmillan Press and New York: St. Martin's, 1998. (ISBN: 0-333-67363-8)

Refereed Journal Articles and Book Chapters:

“The Pragmatist Legacy in American Institutionalism” *Contemporary Pragmatism*. Forthcoming December 2008. (Co-authored)

“Thomas Kuhn and Scientific Paradigms” *The Concise Blackwell Encyclopedia of Sociology*, forthcoming 2008. (co-authored)

“Karl Polanyi”, *The Concise Blackwell Encyclopedia of Sociology*, forthcoming 2008 (co-authored)

“Social Capital as a Local Development Tool” *Economic Development Journal*, Summer, Vol. 7, Issue 3 Pp. 42-49. 2008. (Co-authored)

“The Cognitive Limits to Economic Cluster Formation,” in the Proceedings of the Commission on the Dynamics of Economic Spaces, International Geographical Union, 2008, ISBN-13: 978-84-691-5380-2. (co-authored)

“Location Quotients versus Spatial Autocorrelation In Identifying Potential Cluster Regions.” *Annals of Regional Science*. Vol. 42 No. 2 June 2008 Pp. 449-463. (Co-authored)

“Cluster Regions: A Social Network Perspective” *Economic Development Quarterly*, 2008. Doi:10.1177/0891242408323196 (Co-authored)

“A Methodology for the Implementation of a New Industrial Cluster,” *Proceedings of the RSAI World Congress 2008*. ISBN: 978-85-61588-00-1

“Creating Trust Through Branding: The Case of Northwest Ohio’s Greenhouse Cluster,” Stringer, C. and Le Heron, R. (editors) *Agri-food Commodity Chains and Globalising Networks*. London: Ashgate Publishing. ISBN: 978-0-7546-7336-1. 2008 Pp. 175-187. (Co-authored)

“Social Capital and Local Economic Development,” in *Theories of Local Economic Development: Linking Theory to Practice*, Ed. James Rowe. ISBN: 970-0-7546-7305-7 Ashgate. (Co-authored) Pp. 269-285. Forthcoming November 2008.

“Identification of Economic Clusters Using Local Indexes of Spatial Autocorrelation” in Tamasy, C. and Taylor, M. (eds) *Globalising Worlds and New Economic Configurations - Geographical Perspectives*. London: Ashgate Publishing. 2008, ISBN: 0 7546 7377 4 (Co-authored)

“Critical Steps in the Cluster Building Process” *Economic Development Journal*. Fall 2007 Volume 6, No. 4 Pp. 44-52. (Co-authored)

- “Galbraith and Robinson’s Second Crisis of Economic Theory,” *Journal of Economic Issues*, March 2008 Vol. XLII No.1, Pp. 5-11 (Co-authored)
- “Potential Cluster Regions: The Case of the Floriculture Industry,” *Papers of the Applied Geography Conferences*. Vol. 30, Pp. 59-66, October 2007. (Co-authored)
- “Inner-City Neighborhoods and Metropolitan Development,” *Economic Development Quarterly*. Vol. 21 No. 3, Pp. 263-277. August 2007. (Co-authored)
- “Identification of Economic Clusters Using ArcGIS Spatial Statistics,” *Proceeding of ESRI International User Conference*. June 2007 (Co-authored)
- “Karl Polanyi On The Limitations of Formalism In Economics,” *Research in Economic Anthropology*, Vol. 25, Pp. 243-270, 2007. (Co-authored)
- “The Role of GIS in Economic Impact Studies” *Papers of the Applied Geography Conference*, Vol. 29, Pp. 400-407, October 2006. (Co-authored)
- “Robert L. Heilbroner,” *Scribner Encyclopedia of American Lives*, Vol. 7. New York: Scribner. Pp. 235-237, October 2006. (ISBN: 0-684-31499-1)
- “Cluster Development: The Case of the Northwest Ohio Greenhouse Industries from Concept to Implementation,” *Enterprising Worlds: A Geographic Perspective on Economics, Environment & Ethics*. Dordrecht, The Netherlands: Springer. Pp. 41-56, October 2006. (ISBN: 1-4020-5225-1) (Co-authored).
- “Structuring a Successful Greenhouse Cluster in Northwest Ohio,” *Economic Development Journal*, Fall 2006, Vol. 5, No. 4 Pp.42-49. (Co-authored)
- “Estimating the Economic Impact of Universities: The Case of Bowling Green State University,” *The Industrial Geographer*, Vol. 3, Issue 2, Pp. 1-12, 2006. (Co-authored)
- “Robert Heilbroner,” *Dictionary of Modern American Philosophers*. Thoemmes Press. May 2005 (ISBN: 1-84371-037-4)
- “Ohio’s High-Tech Industry: Measuring The Magnitude of Tech-Led Development” *Journal of Economics and Politics*, Vol. 17, 2005 Pp. 45-53.
- “Using Cluster-based Economic Development to Enhance the Economic Competitiveness of Northwest Ohio’s Greenhouse Industry,” *Papers of Applied Geography Conferences*, Vol. 28, Pp. 308-319. October 2005. (Co-authored)
- “Governance and the Legitimacy of Corporate Power: A Path for Convergence of Heterodox Economics?”, *Journal of Economic Issues*, June, 2004, Pp. 363 – 370. (Co-authored)
- “The State of Northwest Ohio’s Economy,” *State of the Region: Northwest Ohio Perspectives*, Center for Policy Analysis & Public Service. April, 2004, Pp.16-34.
- “Dollar Appreciation and Layoffs in Ohio Manufacturing: Time Series Evidence,” *Journal of Economics and Politics*. Vol. 16, No. 1, Pp.113-120, October 2003. (Co-authored)

“Social Capital, Karl Polanyi, and American Social and Institutional Economics” *Journal of Economic Issues*. June 2003, Pp. 395-404. (Co-authored)

"The Instrumental Political Economy of Adolph Lowe." *International Journal of Applied Economics and Econometrics*. April-June, 2002, Pp. 270-283. (Co-authored)

"Industrial Organization" in Routledge's, *The International Encyclopedia of Political Economy*, London and New York: Routledge. 2001 (ISBN: 0415145325)

"Sustainable Regional Economic Development," *Journal of Economic Issues*, June 2001, Pp. 469-476. (Co-authored)

"The Future of Capitalism" in Phillip O'Hara ed., *The Encyclopedia of Political Economy*, London and New York: Routledge, 1999, Pp. 378-380.

"The Monopoly Capital School and Original Institutionalist Economics," *Journal of Economic Issues*, June 1997, Pp.481-490. (Co-authored)

Articles Pending:

“Impact of Polygon Geometry on the Identification of Economic Clusters,” submitted to *Journal of Geographical Systems*, March 2008. (Co-authored)

“GIS and Economic Development” In Jay Gatrell’s ed. *Geo-Technologies and the Environment: Socio- Economic and Demographic Applications* Dordrecht, The Netherlands: Springer.

“Value-chains: Identity, Tradition, and Ohio’s flori(culture) Industry,” *Applied Geography*, Submitted December 2007. (Co-authored)

“Marx, Veblen, and Galbraith Compared,” *Forum for Social Economics.*” Submitted March 2008. (Co-authored)

"Importing Change: Canadian Competition and the U.S. Floriculture Industry", *Industrial Geographer*, submitted May 2008. (Accepted August 2008 w/ minor revisions)

“Anguish of Affluence”, in Ed O’Boyle’s *Festschrift To Honor Peter Danner* (co-authored)

Working Papers:

“Social Capital and Cluster-based Development” (Co-authored)

“Evaluating Potential Economic Clusters: A Portfolio Approach” (Co-authored)

“The Socio-Economics of Neoliberal Globalization,” (Co-authored)

Grant Funded Monographs:

Arts and Regional Prosperity: Economic Impact of the Creative Industries in Northwest Ohio.
The Northwest Ohio Arts Exchange, Toledo, Ohio, September 2007

- Research Memorandum: The Economic Impact of University of Toledo's Athletics.* The University of Toledo, January 2007.
- The Impact of the "New" University of Toledo On Ohio's Economy.* The University of Toledo, November 2006.
- The Toledo Zoo: A Ten-Year Economic Perspective.* Bowling Green State University, 2005.
- Measuring Bowling Green State University's Impact on Ohio's Economy.* Bowling Green State University, October 2004.
- Cluster Overview: Industrial Clusters of Northwest Ohio.* The Urban Affairs Center, University of Toledo, October 2004.
- The Economic Impact of the Toledo Zoo: A Local and National Analysis 1998-2002.* October 2003. (Co-authored)
- The Economic Impact of the WVSC Natatorium.* Charleston: West Virginia Research League, 2003.
- Local Technical Assistance Program Evaluation.* Bowling Green State University. Authorized by grant #99-06-07477 from the U.S. Department of Commerce, Economic Development Administration: Washington, D.C., 2003 (Co-authored)
- The Economic Impact of the Clay Center for the Arts and Sciences,* Charleston, West Virginia: West Virginia Research League, 2002.
- The Economic Environment: A Study of the Economic Structure of Kanawha, Clay and Putnam Counties.* Charleston, West Virginia: West Virginia Research League, 2001.
- The Economic Engines of West Virginia: Past, Present and Future.* Charleston, West Virginia: West Virginia Research League, 2000.
- Community Indicators: Measuring West Virginia's Economic Potential and Quality of Life.* Vol. I, State-to-State. Charleston, West Virginia: West Virginia Research League, 2000.
- Community Indicators: Measuring West Virginia's Economic Potential and Quality of Life.* Vol. II, County-to-County. Charleston, West Virginia: West Virginia Research League, 2000.
- The Role of Venture Capital In Regional Development: The Economic Impact of the West Virginia Jobs Investment Trust Board.* Charleston, West Virginia: West Virginia Research League, 1999.
- Community Health Assessment.* Charleston, West Virginia: West Virginia Research League, 1999.
- The Economic Impact of West Virginia's Oil and Gas Industry.* Charleston, West Virginia: West Virginia Research League, 1999.

Community Redevelopment: Spatial Economic Implications. Charleston, West Virginia: West Virginia Research League, 1998.

State College System of West Virginia: An Economic Impact Study. Charleston, West Virginia: West Virginia Research League, 1997.

Book Reviews:

"Review of *Employment Without Inflation*, by Benjamin Higgins." *Journal of Economic Issues*, March 1999, Pp. 208-210.

"Review of *Power Theory of Economics*, by Yasuma Takata." *Southern Economic Journal*, July 1996, Pp. 261-262.

"Review of *The Literate Economist: A Brief History of Economics*, by E. Ray Canterbury." *Journal of Economic Issues*, September 1996, Pp. 895-897.

"Review of *Business Cycles, Indicators and Forecasting*, edited by James H. Stock and Mark W. Watson." *Southern Economic Journal*, July 1995, Pp. 272-273.

"Review of *Money, Banking and Inflation: Essays in the History of Monetary Thought*, by Thomas M. Humphrey." *Southern Economic Journal*, April 1995, Pp. 1230-1231.

"Review of *21st Century Capitalism*, by Robert L. Heilbroner." *Review of Radical Political Economics*, March 1995, Pp. 132-135.

"Review of *Money and the Economic Process*, by Sheila C. Dow." *Journal of Economic Issues*, December 1994, Pp. 1297-1299.

"Review of *Macroeconomic Theory: Diversity and Convergence*, edited by Gary Mongiovi and Christof Rühl," *Review of Social Economy*, Summer 1994, Pp. 96-99.

"Review of *Financial Conditions and Macroeconomic Performance: Essays in Honor of Hyman P. Minsky*, edited by Steven Fazzari and Dimitri B. Papadimitriou." *Southern Economic Journal*, January 1994, Pp. 766-767.

Research Grant Participation

2008 \$160,000 United States Department of Commerce, Economic Development Administration. University Center Program. (EDA Investment # 06-66-0505401).

2008 \$69,419 United States Department of Agriculture (USDA) Greenhouse Nurseries Impact in Ohio Year 5. A collaboration between Bowling Green State University, University of Toledo, Ohio State University, and Indiana State University, (USDA number pending)

2008 \$247,000 State of Ohio Rural Universities Program. Ohio Board of Regents (OBOR). State earmark funds dedicated to research on rural areas of northwest Ohio.

2007 \$41,037 City of Bowling Green. The Census Project (LUCA) for the City of Bowling Green.

- 2007 \$247,000 State of Ohio Rural Universities Program. Ohio Board of Regents (OBOR). State earmark funds dedicated to research on rural areas of northwest Ohio.
- 2007 \$158,214 Economic Development Administration (EDA), University Center Program. (#06-66-05054-02)
- 2007 \$182,760 OARDC United States Department of Agriculture One-Time Grant Program FY07.
- 2007 \$11,011 WSOS. Transportation planning master plan project.
- 2007 \$20,000 White Rose Consortium. University of Leeds and the UK government.
- 2006 \$21,697 Wood County Emergency Management. Wood County Commissioners.
- 2006. \$25,487 University of Toledo Economic Impact Study. University of Toledo.
- 2006 \$158,214 Economic Development Administration (EDA), University Center Program. (#06-66-05054-01)
- 2006 \$247,000 State of Ohio Rural Universities Program. Ohio Board of Regents (OBOR). State earmark funds dedicated to research on rural areas of northwest Ohio.
- 2006 \$672,740 United States Department of Agriculture (USDA) Greenhouse Nurseries Impact in Ohio Year 4. A collaboration between Bowling Green State University, University of Toledo, Ohio State University, and Indiana State University, (#60006269)
- 2006 \$2,000 City of Walbridge and Lake Township. Community Based Economic Development Strategy.
- 2006 \$66,248 United States Department of Energy (DoE) Wind Energy Project at BGSU Firelands. (DE-FG36-06GO86096)
- 2005 \$17,885 "By the People, Deliberation Week," PBS, Newshour with Jim Lehrer. (Grant Partner WBGU)
- 2005 \$52,363 United States Department of Agriculture (USDA). Investigating Greenhouse Co-operatives. (USDA # 1037002)
- 2005 \$158,214 Economic Development Administration (EDA), University Center Program. (06-66-05054)
- 2005 \$679,000. United States Department of Agriculture (USDA) Greenhouse Nurseries Impact in Ohio Year 3. A collaboration between Bowling Green State University, University of Toledo, Ohio State University, and Indiana State University, (USDA # 6006269)
- 2004 \$667,000. United States Department of Agriculture (USDA) Greenhouse Nurseries Impact in Ohio Year 2. A collaboration between Bowling Green State University,

- University of Toledo, Ohio State University, Indiana State University, and the Toledo Botanical Gardens. (USDA # OHO00962-SS)
- 2004 \$84,000 Economic Development Administration (EDA), University Center Program.
- 2003 \$171,000. University of Toledo & The Ohio Board of Regents, “Northwest Ohio Industrial Cluster Study”
- 2003 \$139,600. United States Department of Agriculture (USDA) “Greenhouse Study of NW Ohio Year 1” Collaboration between Bowling Green State University, University of Toledo, Ohio State University, and the Toledo Botanical Gardens. (USDA # OHO00948-SS)
- 2003 \$79,000. Economic Development Administration (EDA), University Program.
- 2003 \$10,000. BGSU Research Challenge Grant, “The Economic Impact of Bowling Green State University.”
- 2003 \$5,000. State of West Virginia, “The Economic Impact of the West Virginia State College Natatorium.”
- 2003 \$19,000. Toledo Zoo, “The Economic Impact of the Toledo Zoo: A Local and National Analysis 1998-2002”
- 2003 \$81,000. Economic Development Administration, “Rural Universities Program.”
- 2002 \$600,000. National Science Foundation (NSF-PFI) “Alternative Energies” A collaboration between Bowling Green State University and the University of Toledo. (NSF Grant # HER-0227899)
- 2002 \$6,800. The Clay Center for the Performing Arts, “The Economic Impact of the Clay Center for the Arts and Sciences.”
- 2002 \$14,300. State of West Virginia, “The Economic Environment: A Study of the Economic Structure of Kanawha, Clay and Putnam Counties.”
- 2001 \$149,900. Economic Development Administration, “Local Technical Assistance Program Evaluation.” (Grant #99-06-07477)
- 2000 \$30,000. Columbia Natural Resources, “The Economic Engines of West Virginia: Past, Present and Future.”
- 2000 \$10,500. State of West Virginia, “The Role of Venture Capital in Regional Development: The Economic Impact of the West Virginia Jobs Investment Trust Board.”
- 1999 \$4,100. Community Council of Kanawha Valley, “Community Health Assessment”
- 1999 \$24,000. Columbia Natural Resources, “Community Indicators Project.”
- 1998 \$20,000. West Virginia Oil & Natural Gas Association, “The Economic Impact of West Virginia's Oil and Gas Industry.”
- 1998 \$10,000. City of Grafton, West Virginia, “Community Redevelopment: Spatial Economic Implications.”

- 1997 \$15,000. State of West Virginia, "State College System of West Virginia: An Economic Impact Study."
- 1995 \$1,500. Colorado State University, Professional Development Grant.
- 1994 \$1,000. Colorado State University, Professional Development Grant.

Conference Participation

Presenting, "Marx, Schumpeter, and Polanyi on the Evolution of Capitalism" at a session of the Association for Social Economics at the Annual meetings of Allied Social Science Association, San Francisco, January 2009.

Presenting, "Doing Institutional Economics: Funding Strategies for Economic Development Centers" at a session of the Association for Evolutionary Economics at the annual meetings of Allied Social Science Association, San Francisco, January 2009.

Presenting, "Cluster-based Economic Development: The Human Limits," At a session of the North American Regional Science Council annual meetings, Brooklyn, NY, November 2008.

Presented, "The Cognitive Limits of Cluster Formation," Presented as a session of the International Geographers Union, Barcelona, Spain July 2008.

Presented, "Creating Enterprise: Identifying Local Growth Potential in Regional Economies," at a session of the Association of Institutional Thought, and the annual meetings of the Western Social Science Association, Denver, April 2008.

Presented, "The Cultural Imperatives of Cluster Development: Identity, Tradition, and Flori(culture) in Northwest Ohio," at the Annual Conference of the Association of American Geographers, Boston, MA , April 2008.

Presented "Linkages in a Cluster: A Social Network Analysis Perspective," at the Annual Conference of the Association of American Geographers, Boston, MA, April 2008

Presented, "A Methodology for the Implementation of a New Industrial Cluster," at a session of the Regional Science Association (RSAI) World Congress, Sao Paulo, Brazil, March 2008.

Presented, "Toward Community Based Community Development," at the Western Regional Science Association meetings, Kona, HI, February 2008.

Presented, "Impact of Polygon Geometry on the Identification of Economic Clusters" at the Western Regional Science Association meetings, Kona, HI, February 2008.

- Presented, "Social Network Analysis: A Cluster-Based Economic Development Management Strategy," International Sunbelt Social Network Conference, St. Pete Beach, Florida, January 2008.
- Presented, "Toward Sustainable Adaptive Efficiency in Thomas Friedman's Flat World" at a joint session of the Association for Evolutionary Economics and the Social Economics Association, at the annual meetings of the Allied Social Science Association, New Orleans, LA, January 2008.
- Presented, "Creating Enterprise: Measuring Social Networks of Local Economic Development Agents," at a session of the Annual North American Meetings of the Regional Science Association International, Savannah, GA, November 2007.
- Presented, "Creating Enterprise: The Role of Case Studies," at a session of the Annual North American Meetings of the Regional Science Association International, Savannah, GA, November 2007.
- Presented, "Linkages of Local Economic Development Practitioners," Ohio Association of Economists and Political Scientists, Perrysburg, OH, October 2007.
- Presented, "Potential Cluster Regions: The Case of The U.S. Floriculture Industry", Applied Geography Conference, Indianapolis, IN. October 2007.
- Presented, "Creating an Industrial Cluster: Critical Steps In The Cluster Building Process," Applied Geography Conference, Indianapolis, IN. October 2007.
- Presented, "The Dynamics of Cluster Formation in Accelerated Radical Innovation: Bridging the Inception to Implementation Gap" at the Portland International Conference on Management of Engineering & Technology. Portland, August 2007.
- Presented, "Accelerated Radical Innovation in the Industrial Technology Life Cycle" a roundtable discussion at the Portland International Conference on Management of Engineering & Technology. Portland, August 2007.
- Presented, "Learning Networks of Local Economic Development Agents," at the Royal Geographical Society and the Institute of British Geographers. London, United Kingdom, August 2007.
- Presented, "Social Network Analysis in Cluster-based Economic Development" at the Second Global Conference on Economic Geography, Beijing, China, June 2007.
- Presented, "U.S. Floriculture: An Industry under Threat" at the Second Global Conference on Economic Geography, Beijing, China, June 2007.
- Presented, "Identification of Economic Clusters Using ArcGIS Spatial Statistics Tools," at a session of the Twenty-seventh Annual ESRI International User Conference, June 2007, San Diego, California.
- Presented, "The Impact of Canadian Floriculture Imports on the U.S. Floriculture Industry." At the annual meetings of the American Association of Geographers, San Francisco, California, April 2007.

- Presented, "Critical Analysis of Capitalism: Marx, Veblen, Galbraith" at a session of the Association For Institutional Thought, at the annual meetings of the Western Social Science Association, Calgary, Canada, April 2007.
- Presented, "Location Quotients versus Spatial Autocorrelation In Identifying Potential Cluster Areas," at a session of the Western Regional Science Association annual meeting, Newport Beach, California, February 2007.
- Presented, "Toward Community-Based Community Development" at a joint session of the Association for Evolutionary Economics and the Social Economics Association, at the annual meetings of the Allied Social Science Association, Chicago, Illinois, January 2007.
- Presented, "The Role of Universities in the Development of a New Industrial Cluster," Regional Science Association International, Toronto, Canada, November 2006.
- Presented, "Potential Cluster Areas: A Spatial Autocorrelation Approach," Regional Science Association International, Toronto, Canada, November 2006.
- Presented, "The Role of GIS in Economic Impact Studies" at the Applied Geography Conference, Tampa, Florida, October 2006.
- Presented, "Keynesian Economics and Original Institutionalism" at the 9th Annual International Post-Keynesian Conference, Kansas City, Missouri, September 2006.
- Presented, "Developing Social Capital Networks to Enhance Cluster-Based Development," at the annual meeting of the International Geographers Union, Brisbane, Australia, July 2006.
- Presented, "Identification of Economic Clusters Using Local Indexes of Spatial Autocorrelation," at the annual meeting of the International Geographers Union, Commission on Industrial Space, Auckland, New Zealand, July 2006.
- Presented, "Building Social Capital Through Branding: The Case of the Northwest Ohio Greenhouse Industry," at the annual meeting of the International Geographers Union, Commission on Industrial Space, Auckland, New Zealand, July 2006.
- Presented, "Social Capital and Cluster-based Economic Development," at a session of the Association For Institutional Thought, at the annual meetings of the Western Social Science Association, Phoenix, Arizona, April 2006.
- Presented, "Enhancing the Economic Competitiveness of the Northwest Ohio Greenhouse Industry Using a Cluster-based Approach," at the annual meetings of the Association of American Geographers, Chicago, Illinois, March 2006.
- Presented, "Using Cluster-Based Economic Development to Enhance the Economic Competitiveness of Northwest Ohio's Greenhouse Nursery Industry," at a session of the Western Regional Science Association annual meeting, Santa Fe, New Mexico, February 2006.

- Presented, “A Cluster Approach to Economic Development,” at a session of Ohio Association of Economists and Political Scientists, Columbus, Ohio, October 2005.
- Presented, “Northwest Ohio’s Greenhouse Cluster: From Concept to Implementation,” at a session of the American Collegiate Schools of Planning Annual Conference, Kansas City, Missouri, October 2005. (Co-authored with Neil Reid)
- Presented, “Using a Cluster-based Strategy to Secure the Economic Future of Northwest Ohio’s Greenhouse Industry, Regional Science Association International, Las Vegas, Nevada, November 2005.
- Presented, Using Cluster-Based Economic Development to Enhance the Economic Competitiveness of Northwest Ohio’s Greenhouse Industry,” Applied Geography Conference, Washington, D.C., November 2005.
- Presented, “Estimating The Economic Impact of Universities: The Case of Bowling Green State University.” Applied Geography Conference, Washington, D.C., November 2005.
- Presented, “Northwest Ohio’s Greenhouse Industry,” International Geographers Union: Commission on Industrial Space. Toledo, Ohio, August 2005.
- Presented, “Industrial Clusters and Accelerated Radical Innovation” at a session of the Portland International Conference on Management of Engineering and Technology (PICMET). Portland, Oregon, August 2005. (Co-authored with Neil Reid)
- Presented, “Implementing Cluster-Based Economic Development” at a session at the annual meetings of the Western Regional Science Association. San Diego, California, February, 2005. (Co-authored with Neil Reid)
- Presented, “The Worldly Philosophy of Lowe and Heilbroner: Toward an Alternative to Neo-liberal Policy,” at a joint session of the Association for Evolutionary Economics and the Social Economics Association, at the annual meetings of the Allied Social Science Association, Philadelphia, Pennsylvania, January 2005.
- Presented, “Mobilizing Cluster Based Economic Development Programs: Lessons Learned in Designing a Regional Economic Development Strategy,” at a session at the annual meetings of the North America Regional Science International (RSAI). Seattle, Washington, November 2004 (Co-authored with Neil Reid)
- Presented, “Regional Development Policy: Cluster-Based Strategy,” at a session of the Ohio Association of Economists and Political Scientists, Cleveland, Ohio, October 2004. (Co-authored with Neil Reid)
- Presented “Cluster Based Economic Development in Northwest Ohio,” at a session of the American Collegiate Schools of Planning Annual Conference, Portland, Oregon, October 2004. (Co-authored with Neil Reid)
- Presented, “Economic Development for the 21st Century: Industrial Clusters as Pathways to Prosperity”, Conference on Accelerating the Radical Innovation Process, Charleston, South Carolina. (Invited), May 2004.

- Presented, "High-Tech Clusters: Tech Led Economic Development," at a session at the annual meetings of the Western Regional Science Association. Maui, Hawaii, February 2004. (Co-authored with Neil Reid)
- Presented, "Governance and the Legitimacy of Corporate Power: A Path for Convergence of Heterodox Economics?," at a joint session of the Association for Evolutionary Economics and the Social Economics Association, at the annual meetings of the Allied Social Science Association, San Diego, California, January 2004. (Co-authored with J. R. Stanfield)
- Presented, "Rural Population Changes Resulting from Prison Expansion in the U.S. (1990-2000)," at a session at the annual meetings of the American Society of Criminology. Denver, Colorado, November 2003. (Co-authored with Joseph E. Jacoby and Deirdre Rogers)
- Presented, "The Northwest Ohio Industrial Cluster Study," at a session at the annual meetings of the North America Regional Science International (RSAI). Philadelphia, Pennsylvania, November 2003 (Co-authored with Neil Reid)
- Presented, "Ohio's High-Tech Industry: Measuring the Magnitude of Tech Led Development" at a session of Ohio Association of Economists and Political Scientists, October 2003.
- Presented, "Robert Heilbroner's Economic Contributions" at a session of the Association of Institutional Thought, Las Vegas, Nevada, April 2003.
- Presented, "Fostering High-Technology Development," at a session of the Association of Institutional Thought, Las Vegas, Nevada, April 2003.
- Presented, "Spatial Dynamics of Corporate Takeover Activity," at a session of the Western Regional Science Association, Rio Rico, Arizona, February 2003.
- Presented, "Social Capital, Karl Polanyi, and American Social and Institutional Economics", at a session of the Association for Evolutionary Economics, at the annual meetings of the Allied Social Science Association, Washington, D.C., January, 2003.
- Presented, "Small Grants, Big Results: Economic Development Through EDA Local Technical Assistance Programs," at a session of Ohio Association of Economists and Political Scientists, Oxford, Ohio, 2002.
- Presented, "Robert Heilbroner's Vision of the Future of Capitalism: Progress? at a session of the Association for Evolutionary Economics, at the annual meetings of the Allied Social Science Association, Atlanta, Georgia, 2002.
- Presented, "Community-Focused Research", at the annual meetings of the National Association of Planning Councils. Charleston, West Virginia, April 2001.
- Presented, "Sustainable Economic Development," at a session of the Association for Evolutionary Economics, at the annual meetings of the Allied Social Science Association, New Orleans, Louisiana, January 2001.

- Presented, "Re-embedding the Regional Economy: The Cultural Significance of Town Centers." at a session of the Association of Evolutionary Economics, at the Annual meetings of the Allied Social Science Association, New York, New York, January 1999.
- Presented, "Economic Impact of West Virginia's Oil and Gas Industry," at the annual meetings of the West Virginia Oil and Natural Gas Association, Lakeside, West Virginia, September 1998.
- Presented, "The Economic Thought of John M. Clark," at a session of the Association for Institutional Thought, at the annual meetings of the Western Social Science Association. Denver, Colorado, April 1998.
- Presented, "The Spatial Aspects of Institutional Economics," at a session of the Association for Evolutionary Economics, at the annual meetings of the Allied Social Science Association. Chicago, Illinois, January 1998.
- Presented, "Institutionalist Fellow Travelers: Adolph Lowe, Paul Baran, and Paul Sweezy," at a session of the Association for Evolutionary Economics, at the Annual Meetings of the Allied Social Science Association. New Orleans, Louisiana, January 1997. (Co-authored with James Ronald Stanfield.)
- Presented, "Adolph Lowe's Instrumental Economics and Old Institutional Economics," at a session of the Association for Social Economics, at the Annual Meetings of the Allied Social Science Association. New Orleans, Louisiana, January 1997. (Co-authored with James Ronald Stanfield.)
- Presented, "Transformational Capitalism," at a session of the Union of Radical Political Economy, at the Annual Meetings of the Allied Social Science Association. San Francisco, California, January 1996.
- Presented, "Macroeconomic Modeling: A Transformational Approach," at a session of the Annual Meetings of the Southern Economic Association. New Orleans, Louisiana, November 1995.
- Presented, "An Inquiry Into the Capitalist Prospect: The Institutional Economics of Robert L. Heilbroner," at a session of the Association for Evolutionary Economics at the Annual Meetings of the Allied Social Science Association. Washington D.C., January 1995.
- Presented, "Accumulation and Acculturation: Capitalism's Influence on Regional Political Autonomy," at a session of the Union of Radical Political Economy, at the Annual Meetings of the Allied Social Science Association, Washington D.C., January 1995.
- Presented, "Corporate Mergers and Acquisitions: Their Relationship With the Urban Hierarchy," at a session of the Association for Institutional Thought at the Annual Meetings of the Western Social Science Association. Albuquerque, New Mexico, April 1994.
- Discussant, "Clusters" at a session at the annual meetings of the North America Regional Science International (RSAI). Seattle, Washington, November 2004

- Discussant, "Space-Time Analysis of Industry Concentration," at a session at the annual meetings of the Western Regional Science Association. Maui, Hawaii, February, 2004.
- Discussant, "Korea in Asia: Korea's Development, Asian Regionalism and U.S. Korea Economic Relations." At a session of Korea-American Economic Association, at the annual meetings of the Allied Social Science Association, San Diego, California, January 2004.
- Discussant, "Economic Policy" at a session of Ohio Association of Economists and Political Scientists, Tiffin, Ohio, October 2003.
- Discussant, "Local Economic Development" at a session of Ohio Association of Economists and Political Scientists, Oxford, Ohio, October 2002.
- Discussant, "Conceptions of Economic Progress Among Social and Institutional Economists," at a session of the Association for Evolutionary Economics, at the annual meetings of the Allied Social Science Association, Atlanta, Georgia, 2002.
- Discussant, "Development and Fairness in the New Economy," at a session of the Association of Social Economics, at the annual meetings Allied Social Science Association, New Orleans, Louisiana, January 2001.
- Discussant, "Regional Economic Integration," at a session of the Association of Social Economics, at the annual meetings Allied Social Science Association, New York, New York, January 1999.
- Discussant, "Ideological Responsibility and AFEE's Agenda," at a session of the Association of Social Economics, at the annual meetings Allied Social Science Association, Chicago, Illinois, January 1998.
- Discussant, "The Economics of Adolph Lowe," at a session of the Association of Social Economics, at the annual meetings Allied Social Science Association, New Orleans, Louisiana, January 1997.
- Chair, "Session: Decision Making in Economic Processes," at a session of the IGU Commission Dynamics of Economic Spaces, at the 31st International Geographical Congress, Tunis, Tunisia, August 2008.
- Chair, "Session Spatial Organization of Economic Activities," at a session of the IGU Commission Dynamics of Economic Spaces, at the 31st International Geographical Congress, Tunis, Tunisia, August 2008.
- Chair, "Accelerated Radical Innovation in the Industrial Technology Life Cycle" at the Portland International Conference on Management of Engineering & Technology. Portland, August 2007.
- Chair, "Session on Economic Development," Ohio Association of Economists and Political Scientists. Cleveland, Ohio, October 2006.
- Chair, "Regional Economic Systems: Industries as Spaces of Governance" International Geographical Union, Brisbane, Australia, July 2006.

Poster: "Cluster Based Economic Development: A Comprehensive Strategy to Secure NW Ohio's Economic Future," Bowling Green State University Research Conference, Bowling Green, Ohio, November 2004

Poster: "Economic Development for the 21st Century: Industrial Clusters as Pathways to Prosperity," Conference on Accelerating the Radical Innovation Process, Charleston, South Carolina. (Invited), May 2004.

Poster: "Governance and the Legitimacy of Corporate Power: A Path for Convergence of Heterodox Economics?" Bowling Green State University Research Conference, Bowling Green, Ohio, November 2003.

Poster: "Sustainable Regional Economic Development," Bowling Green State University Research Conference, Bowling Green, Ohio, November 2002.

Dissertation

The Political Economy of Robert L. Heilbroner; James Ronald Stanfield, Advisor.

Honors and Awards

Bowling Green State University Libraries'; Artist and Authors Award, 2004; Who's Who in Social Sciences Higher Education, 2004; Bowling Green State University Libraries'; Artist and Authors Award, 2002; Columbia Energy Award for Academic Excellence, 1999; Distinguished Dissertation Award, CGS/University Microfilms International, Colorado State University Nominee, 1998; Inaugural Keynote Speaker, Omicron Delta Epsilon, Zeta Chapter, 1998; Outstanding Graduate Student Award for Teaching, Colorado State University, 1995; Outstanding Graduate Student Award for Research, Colorado State University, 1994.

Courses Taught

Theory of the Firm, Economic Policy, Urban & Regional Economics, History of Economic Thought, Contemporary Schools of Economic Thought, Comparative Economic Systems, Intermediate Macroeconomics, Money and Banking, Corporate Finance, Financial & Investment Analysis, Economic Policy, Public Finance, Principles of Macroeconomics, Principles of Microeconomics, Senior Seminar in Supervised College Teaching.

Professional Society Listings

Association for Evolutionary Economics, Association for Institutional Thought, Regional Science Association International, Association for Social Economics, Western Regional Science Association, North American Regional Science Association International, Ohio Association of Economists and Political Scientists.

Selected Keynote Speeches, Invited Lectures, Expert Testimony

Speaker: “Arts as Big Business: Leveraging Community Impact,” at the Imagining America Conference, Bowling Green State University, February 2008.

Speaker: “Economic Forecast for NW Ohio,” Chartered Financial Analyst Society of Toledo, Toledo Ohio, January 2008.

Speaker: “Economic Outlook 2008” Toledo Rotary, January 2008.

Speaker: “By the People: A Public Deliberation” a PBS MacNeil- Leher Productions public deliberation forum. Video conference linked by WBGU in Bowling Green and WVIS in Cleveland.

Speaker: “Arts and Regional Prosperity: Economic Impact of the Creative Industries in Northwest Ohio.” The Valentine Theatre. October 2007.

Speaker: “Understanding Economic Impacts,” Toledo Museum of Art. July 2007.

Speaker: “Economic Impact of the Arts in Northwest Ohio,” Northwest Ohio Arts Exchange, May 2007.

Speaker: “Toledo Region’s Economic Structure,” Northwest Ohio Coastal Windpower Initiative, March 2007.

Speaker: “Accelerating Innovation in Healthcare,” University of Leeds and the White Rose HIP Project. Leeds, UK, February 2007.

Speaker: “Partnerships Attract Investment,” winter General Assembly of the Toledo Metropolitan Area Council of Governments, January 2007.

Speaker: “Toledo’s Economic Future,” Economic Outlook Conference sponsored by the Chartered Financial Analysts of Toledo. December 2006.

Speaker: “Positioning Northwest Ohio,” State of the Region Conference. May 2006

Speaker: “Economic Development through Clusters: A Case for Value-added Agriculture,” Rural Entrepreneurship Lecture Series, Chadron State College, Chadron, Nebraska, March 2006.

Speaker: “Utilizing Ohio’s Economic Networks,” Ohio Floriculture Association (OFA), October 2005.

Speaker: “Economic Impact of the Arts” Northwest Ohio Arts Exchange (NWoAX) September 2005.

Speaker: Workforce Investment Board’s E3 Summit, September 2005.

Speaker: "The Current Higher Education Environment: Examining Social, Economic, and Political Factors. BGSU" Provost Safari 2005, August 2005.

Speaker: Bowling Green Chamber of Commerce," July 2005.

Speaker: "Cluster Based Economic Development for the Alternative Energy Industry," June 2005.

Speaker: "Estimating the Impact of the Arts" BGSU Arts Advocate Group, May 2005.

Speaker: "BGSU's Economic Impact," Wood County Economic Development, March 2005

Speaker: "Understanding Economic Change in the 21st Century," BGSU Florida Donors Seminar, Naples, Florida, February 2005.

Speaker: "Engagement" Business Dean's Advisory Council, February 2005.

Speaker: "Bowling Green State University's Impact on Ohio's Economy. President's Advisory Council, Bowling Green State University, January 2005.

Speaker: "Competing Successfully in a Global Marketplace," Toledo Area Winter Greenhouse Conference, January, 2005.

Speaker: "Five Minutes of Fame," Bowling Green State University Research Conference. 2004.

Speaker: "Bowling Green State University's Impact on Ohio's Economy. Board of Trustees, Bowling Green State University. December 2004.

Speaker: "Forming the Greenhouse Cluster." Toledo Botanical Gardens, Ohio Floricultural Association. December 2004.

Speaker: "Forming the Transportation Cluster." Inter-modal Transportation Institute. December 2004.

Speaker: "Industrial Clusters of Northwest Ohio," A colloquium sponsored by the Department of Geography and Planning, University of Toledo. November 2004.

Speaker: "Alternative Energies Partnership" (sponsored by the National Science Foundation) "Alternative Energy in Northwest Ohio" October 2004.

Speaker: "Cluster-based Economic Development in Northwest Ohio." Ohio Workforce Investment Board. October 2004.

Speaker: "Greenhouse Industries in Northwest Ohio," Sponsored by US Congresswoman, Marcy Kaptur, Toledo, Ohio. June 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to delegation visiting UT from the University of Wolverhampton, England, The University of Toledo, Toledo, Ohio. May 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to Toledo City Council, Toledo, Ohio. March 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to College of Engineering Faculty, The University of Toledo, Toledo, Ohio. March 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to the National City Bank Loan Officers, Toledo, Ohio. March 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to Faculty Advisory Committee of the Urban Affairs Center, The University of Toledo, Toledo, Ohio. March 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to the Reynolds Road Rotary Club, Toledo, Ohio. March 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to the Northwest Ohio Regional Economic Development Association. Toledo, Ohio. March 2004.

Speaker: "Industrial Clusters: Pathways to Prosperity." Presented to the Economic Development Committee of the Toledo Area Chamber of Commerce, and the Regional Growth Partnership, Toledo, Ohio. February 2004.

Speaker: Industrial Clusters: Pathways to Prosperity. Presented to the Boards of the Regional Growth Partnership, Toledo Area Chamber of Commerce, and the Regional Growth Partnership, Toledo, Ohio. January 2004.

Keynote Speaker: Industrial Clusters: Pathways to Prosperity. Presented to the Chairs of the Boards of the Regional Growth Partnership, Toledo Area Chamber of Commerce, and the Regional Growth Partnership, Toledo, Ohio. January 2004.

Speaker: Leadership Toledo, Toledo, Ohio, November 2002.

Expert Testimony: Select Committee on Tax Reform, Ohio House of Representatives, July 2002.

Speaker: "Wood County Development Commission Bi-monthly Meeting", July 2002.

Speaker: "Understanding the Economy of NW Ohio". Ambassador Training of the Wood County Economic Development Commission, June 2002.

Speaker: "Toledo Tomorrow 2002." Program sponsored by the Toledo Art Museum and was part of The Alliance of Art and Industry: Toledo Designs for a Modern America Exhibit. Toledo, Ohio, June 2002.

Speaker: "Technology's Role in Economic Development" at Informational Technology Alliance of Northwest Ohio. The seminar was sponsored by the Regional Growth Partnership. Toledo, Ohio, May 2002.

Keynote Speaker: at Mayor Jack Ford's and Congresswoman Marcy Kaptur's Inaugural Technology Summit. Toledo, Ohio, April, 2002.

Keynote Speaker: "State of the Region Conference" Sponsored by the Center for Policy Analysis and Public Service. Lima, Ohio, April 2002.

Presented "High-Technology Clusters," at a seminar entitled Technology-Based Economic Development and the Small Community. The seminar was sponsored by the Center for Policy Analysis & Public Service, March 2002.

Speaker: Allied Chemical Association, March 2002.

Speaker: West Virginia State College, Omicron Delta Epsilon, Zeta Chapter, 1998.

Selected Media Participation

Broadcast Media: *The Journal*, WBGU; *Carty & Company*, *Conklin & Company*, Toledo Channel 13, *Deadline Now*, WGTE Toledo; Toledo Channel 13; Toledo Channel 13, "*Our Future*"; WTOL, Channel 11 Toledo; WLIO, Channel 35 Lima, Ohio; National Public Radio (NPR), *All Things Considered*; WFOB; Print Media: Columbus Dispatch, Toledo Blade, Cleveland Plane Dealer, The Sentinel, Toledo Business Journal, The Lima News, Charleston Gazette, Centerlines.

References

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