

Edward Joseph Feser

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Champaign, Illinois 61820, USA E-Mail: feser@illinois.edu

Date/City of Birth 6 September 1967 Cardston, Alberta, Canada

Citizenship United States, Canada

Education Ph.D., University of North Carolina at Chapel Hill (1997)
M.R.P., University of North Carolina at Chapel Hill (1994)
B.A. (Government), *summa cum laude*, University of San Francisco (1989)

Academic Appointments & Affiliations Head, Department of Urban & Regional Planning, University of Illinois at Urbana-Champaign (UIUC), 8/09-present
Professor, Dept Agricultural and Consumer Economics, UIUC, 10/08-present
Interim Head, Dept of Urban & Regional Planning, UIUC, 8/07-8/09
Professor, Dept of Urban & Regional Planning, UIUC, 8/07-present
Research Professor, Regional Economics Applications Laboratory, UIUC, 1/04-present
Visiting Professor & Fulbright Senior Specialist, Dept Urban & Regional Planning, WU Wirtschaftsuniversität Wien, 4/05-7/05
Faculty Excellence Associate Professor, Dept Urban & Regional Planning, UIUC, 1/04-8/07
Associate Professor, Department of City & Regional Planning, University of North Carolina at Chapel Hill (UNC-CH), 1/03-12/03
Associate Chair, Dept City and Regional Planning, UNC-CH, 7/02-6/03
Assistant Professor, Dept City and Regional Planning, UNC-CH, 1/97-12/02
Faculty Fellow, Office of Economic Development, UNC-CH, 1/99-12/03
Visiting Research Fellow, U.S. Bureau of Labor Statistics, Washington, DC, 1999-2003
Faculty Fellow, Center for Urban and Regional Studies, UNC-CH, 1/97-12/03
Visiting Research Fellow, Center for Economic Studies, U.S. Census, Washington, DC, 1996
Research Associate, Institute for Economic Development, UNC-CH, 1994-6

Professional Appointments Assistant Secretary, North Carolina Department of Commerce, 1/03-12/03
Chief economist and senior policy advisor to the Secretary and Executive Director, Division of Policy, Research and Strategic Planning.
Planner, Community Services Planning Council, Sacramento, CA, 9/89-8/90

Courses Taught Regional Development Theory Economic Impact Analysis
State & Local Economic Development Policy Urban Spatial Structure
Seminar on Technology and the City Research Design Seminar
Urban & Regional Quantitative Analysis Methods Planning Theory

Honors University Scholar, University of Illinois at Urbana-Champaign, 2007
Technology Based Economic Development Research Award, Trent Lott National Center of Excellence for Economic Development and Entrepreneurship, 2007
Fulbright Senior Specialist, Austria, May-July 2005
List of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign, Spring 04, Fall 05, Fall 06, Spring 08, Spring 09
Finalist, Distinguished Teaching Award for Post-Baccalaureate Instruction, UNC-CH, 2001
Geoffrey Hewings Young Scholar Award, North American Regional Science Council, 2001
Fulbright German Studies Seminar, Germany, June 2001
Most Outstanding Advisor Award, UNC-CH Dept of City and Regional Planning, 2000
Most Outstanding Teacher Award, UNC-CH Dept of City and Regional Planning, 1999, 2000
Springer-Verlag (Best Paper) Prize, Western Regional Science Association Conference, 1999

University of North Carolina Dissertation Fellowship, 1995
Alpha Sigma Nu, National Jesuit Honor Society

External Funding

Feser, E (PI), *International Certificate in Urban and Regional Planning*, U.S. Department of Education, Fund for the Improvement of Postsecondary Education, EU-US Atlantis Program, \$194,000, 9/2009 – 8/2013

Feser, E (PI), *Regional Industry Cluster Analysis of the WIRED ALMS Region*, Rural Policy Research Institute, University of Missouri-Columbia, \$16,879, 2/2007 – 1/2008

Lu, F (PI), E Feser (co-PI), *Regionalism and Clusters for Local Development*, U.S. Economic Development Administration, \$362,060, 10/2006 – 11/2007

Feser, E (PI), *Memphis Testbed Disaster Economic Consequence Analysis*, Mid-American Earthquake Center \$45,000 (\$45,000 National Science Foundation plus \$37,500 internal match), 10/2005 – 10/2007

Feser, E (PI), *The Economic Consequences of Earthquakes and other Disasters*, Mid-American Earthquake Center, \$123,750 (\$123,750 National Science Foundation plus \$123,750 internal match), 10/2004 – 10/2007

Feser, E (PI), *Regions, Industrial Dominance, and Business Success: An Inquiry into the Geography of Economic Adjustment, Flexibility and Competitiveness*, National Science Foundation, \$149,971, 8/2004 – 7/2009

Isserman, A (PI), E Feser (co-PI), *Why Some Rural Areas Prosper and Others Do Not*, U.S. Department of Agriculture, \$75,000, 1/2004 – 10/2006

Feser, E (PI), *Rural Broadband Access in Illinois*, Office of the Lt. Governor, Illinois Rural Affairs Council, \$18,619, 6/2004 – 9/2004

Feser, E (PI), *National Science Foundation Dissertation Improvement Grant* (for Henry Renski), \$11,951, 3/2004 – 2/2005

Feser, E (PI), *Economic Policy Analysis Internship Program*, North Carolina Department of Commerce, \$35,400, 5/2003 – 9/2003

Feser, E (PI), *U.S. Rural-Urban Industry Shifts in the 1990s*, North Carolina Rural Economic Development Center, \$23,091, 5/2002 – 8/2002

Feser, E (co-PI), R Quercia (co-PI), *Community Development Work Study Program*, U.S. Department of Housing and Urban Development, \$90,000, 5/2002 – 7/2004

Feser, E (co-PI), R Quercia (co-PI), *Community Development Work Study Program*, U.S. Department of Housing and Urban Development, \$88,470, 3/2002 – 7/2003

Feser, E (PI), H Goldstein (co-PI), *An Assessment of Appalachia's R&D and Technology Assets and Future Potential*, Appalachian Regional Commission, \$44,979, 10/2000 – 9/2001

Feser, E (PI), S Sweeney (PI), *The Clustering of U.S. Business Enterprises in the 1990s*, National Science Foundation, \$135,000, Multi-Institutional Collaborative Project, 4/2000 – M 3/2002

Feser, E (PI), *Industry Clusters and Technology Policy Development in Kentucky*, Kentucky Science and Technology Corporation, \$55,733, 4/2000 – 12/2000

Feser, E (PI), *Industry Cluster Update: North Carolina Southeast*, NC Southeast Partnership for Economic Development, \$17,349, 5/2000 – 9/2000

Feser, E (PI), *Regional Industry Cluster Update and North Carolina Innovation Index*, North Carolina Board of Science and Technology, \$18,027, 9/1999 – 5/2000

Feser, E (PI), *Regional Impact Analysis of FedEx Mid-Atlantic Hub*, Regional Technology Strategies, \$40,000, 3/1999 – 12/1999

Bergman, E (co-PI), E Feser (co-PI), *Industrial and Regional Clusters: Concepts and Comparative Applications*, Regional Research Institute, West Virginia University, \$5,000, 9/1998 – 1/1999

Goldstein, H (PI), E Feser (UNC Program Director), *Comparative Regional Policy and Development in an Era of Territorial Integration*, U.S. Department of Education, Fund for the Improvement of Postsecondary Education, \$172,800, 10/1998 – 9/2002

Feser, E (PI), *Migration and Regional Economic Distress*, U.S. Economic Development Administration, \$75,000, 10/1997 – 12/1998

Feser, E (PI), *Tryon Palace Impact Assessment and Analysis*, Tryon Palace Commission, \$10,025, 11/1997 – 11/1998

Feser, E (PI), M Luger (co-PI), H Goldstein (co-PI), *An Assessment of North Carolina's Industry and Higher Education Technology Strengths and Opportunities*, NC Board of Science and Technology and NC Alliance for Competitive Technologies, \$99,627, 2/1997 – 12/1999

Feser, E (PI), *Analysis of Industry Clusters in North Carolina Sub-Regions*, NC Alliance for Competitive Technologies, \$42,322, 5/1996 – 10/1997

Feser, E (PI), *International Research and Travel Grant*, German Marshall Fund of the United States, \$1,500, 8/1995

Bergman, E (PI), E Feser (co-PI), *Identifying Supply Chains in North Carolina*, NC Alliance for Competitive Technologies, \$34,880, 5/1995 – 2/1996

Bergman, E (PI), E Feser (Project Director), *Rural Industrial Modernization Needs Assessment*, North Carolina Rural Economic Development Center, \$60,000, 5/1994 – 5/1995

Cassidy, G (PI), E Feser (Project Director), *An Assessment of Rail Cost Benefit Techniques and Policy*, North Carolina Department of Transportation, \$10,500, 8/1993 – 4/1994

Internal Grants

Economic and Environmental Sustainability through Science and Innovation in the Caribbean, College of Fine & Applied Arts, Creative Research Award, University of Illinois at Urbana-Champaign, \$7,500, PI, 1/2008-12/2008

Program in Regional Economics and Policy, College of Agriculture, University of Illinois at Urbana-Champaign, \$210,000, Co-Program Director, 10/2005 – 9/2008

Business Engagement in Regional Technology Policy Formulation in the European Union, Center for International Business and Education Research, University of Illinois at Urbana-Champaign, \$3,500, PI, 3/2005 – 8/2005

The Politics of Central City Redevelopment. University of North Carolina at Chapel Hill

Research Council Award, \$2,635, 12/1998 – 12/2000

Junior Faculty Development Award, University of North Carolina at Chapel Hill, \$5,000, 1/1999 – 12/1999

Books

Bergman, E M, and E J Feser. 1999. *Industrial and Regional Clusters: Concepts and Comparative Applications*. On-line *Web Book in Regional Science*, Regional Research Institute, West Virginia University. 150 pages. www.rri.wvu.edu/WebBook/Bergman-Feser/contents.htm

Malizia, E M, and E J Feser. 1999. *Understanding Local Economic Development*. New Brunswick, NJ: CUPR Press. 298 pages.

Refereed Papers & Book Chapters

Ke, S, E Feser. A growth pole strategy for economic growth? Analysis of spread and backwash effects in greater central China. Forthcoming, *Regional Studies*.

Isserman, A, E Feser, and D Warren. 2009. Why some rural areas prosper and others do not. *International Regional Science Review* 32 (3): 300-42.

Feser, E, and A Isserman. 2009. The rural role in national value chains. *Regional Studies* 43 (1): 89-109.

Feser, E, H Renski, and H Goldstein. 2008. Clusters and economic development outcomes: An assessment of the link between clustering and economic growth in Appalachia. *Economic Development Quarterly* 22 (4): 324-44.

Renski, H, J Koo, and E Feser. 2007. Differences in labor versus value chain industry clusters: An empirical investigation. *Growth and Change* 38 (3): 364-95.

Feser, E. 2007. Encouraging local broadband deployment from the bottom up. *Journal of Regional Analysis and Policy* 37 (1): 69-72.

Goldstein, H, S Bollens, E Feser, and C Silver. 2006. An experiment in the internationalization of planning education: The NEURUS program. *Journal of Planning Education and Research* 25 (4): 349-63.

Feser, E J, and S H Sweeney. 2006. On the state of the geography in the US Bureau of Labor Statistics Covered Wages and Employment (ES-202) series. *International Regional Science Review* 29 (3): 247-63.

Feser, E, S Sweeney, and H Renski. 2005. A descriptive analysis of discrete U.S. industrial complexes. *Journal of Regional Science* 45 (2): 395-419.

Nelson, A C, R J Burby, E J Feser, C J Dawkins, E E Malizia, and R Quercia. 2004. Urban containment and central city revitalization. *Journal of the American Planning Association* 70 (4): 411-425.

Feser, E J. 2003. What regions do rather than make: A proposed set of knowledge-based occupation clusters. *Urban Studies* 40 (10): 1937-1958.

Feser, E J, and S H Sweeney. 2003. Out-migration, depopulation and the geography of U.S. economic distress. *International Regional Science Review* 26 (1): 38-67.

Feser, E J, and M I Luger. 2003. Cluster analysis as a mode of inquiry: Its use in science and technology policymaking in North Carolina. *European Planning Studies* 11 (1): 11-24.

Feser, E J. 2002. Tracing the sources of local external economies. *Urban Studies* 39 (13): 2485-2506.

Feser, E J. 2001. A flexible test for agglomeration economies in two U.S. manufacturing industries. *Regional Science and Urban Economics* 31 (1): 1-19.

Feser, E J. 2001. Agglomeration, enterprise size, and productivity. In *Theories of Endogenous Regional Growth: Lessons for Regional Policies*, edited by B Johansson, C Karlsson, and R R Stough (Berlin: Springer), pp. 231-51.

Bergman, E M, and E J Feser. 2001. Innovation system effects on technological adoption in a regional value chain. *European Planning Studies* 9 (5): 629-48.

Feser, E J, and E M Bergman. 2000. National industry cluster templates: A framework for applied regional cluster analysis. *Regional Studies* 34 (1): 1-20.

Feser, E J, and S H Sweeney. 2000. A test for the co-incident economic and spatial clustering of business enterprises. *Journal of Geographical Systems* 2 (4): 349-73.

Bergman, E M, E J Feser, and A Kaufmann. 1999. Lean production systems in regions: Conceptual and measurement requirements. *Annals of Regional Science* 33 (4): 389-423.

Sweeney, S H, and E J Feser. 1998. Plant size and clustering of manufacturing activity. *Geographical Analysis* 30 (1): 45-64.

Feser, E J. 1998. Enterprises, external economies and economic development. *Journal of Planning Literature* 12 (3): 283-302.

Feser, E J, and G Cassidy. 1996. Rethinking state rail policy: The benefits of rail rehabilitation include more than jobs. *Policy Studies Journal* 24 (1): 57-73.

**Other Book
Chapters &
Papers**

Feser, E. 2009. Detecting university-industry synergies: A comparison of two approaches in applied cluster analysis. *Universities, Knowledge Transfer and Regional Development: Geography, Entrepreneurship and Policy*, edited by Attila Varga, 57-81 (Cheltenham: Edward Elgar).

Feser, E, H Renski, and J Koo. 2009. Regional cluster analysis with interindustry benchmarks. In *Targeting Regional Economic Development*, edited by S Goetz, S Deller, and T Harris, 213-38 (London: Taylor and Francis).

Feser, E. 2008. Clusters and the design of innovation policy for developing economies. *The Economics of Regional Clusters: Networks, Technology and Policy*, edited by U Blien and G Maier, 191-213 (Cheltenham: Edward Elgar).

Feser, E. 2007. Globalization, regional economic policy and research. *Globalization and Regional Economic Modeling*, edited by R J Cooper, K P Donaghy, and G J D Hewings, 107-130 (Heidelberg: Springer).

Feser, E, and G J D Hewings. 2007. U.S. economic fragmentation and integration: Selected empirical evidence and implications. *The Healdsburg Seminar on Megaregions*, edited by P Todorovich, 37-58 (New York and Washington, DC: Regional Plan Association and Lincoln Institute).

Feser, E. 2007. Linking research and rural development policy: An introduction to the special

issue. *Journal of Regional Analysis and Policy* 37 (1): 1-3.

Feser, E. 2005. Industry cluster concepts in innovation policy: A comparison of U.S. and Latin American experience. In *Spillovers and Innovations: Space, Environment and the Economy*, edited by G Maier and S Sedlacek, pp. 135-55 (Vienna, Austria: Springer-Verlag/Wien).

Sweeney, S H, and E J Feser. 2004. Spatial externalities: Theoretical and measurement issues. In *Spatially Integrated Social Science: Examples in Best Practice*, edited by M F Goodchild and D G Janelle, pp. 239-62 (Oxford, UK: Oxford University Press).

Goodman, R, and E Feser. 2003. The economic impacts of introducing slot machines at racetracks in Pennsylvania: A review of the Penn State Harrisburg study. *Commonwealth Policy Brief* 3 (3): 1-10.

Feser, E J, and S H Sweeney. 2002. Theory, methods, and a cross-metropolitan comparison of business clustering. In *Industrial Location Economics*, edited by P McCann, pp. 222-59 (Cheltenham: Edward Elgar).

Feser, E J, and S H Sweeney. 2002. Spatially binding linkages in manufacturing product chains. In *Global Competition and Local Networks*, edited by R B McNaughton and M B Green, pp. 111-30 (New York: Ashgate).

Bergman, E M, and E J Feser. 1999. Industry clusters: A methodology and framework for regional development policy in the U.S. In *Boosting Innovation: The Cluster Approach*, edited by T Roelandt and P den Hertog, pp. 243-68 (Paris: Organisation for Economic Cooperation and Development).

Feser, E J. 1998. Old and new theories of industry clusters. In *Clusters and Regional Specialisation: On Geography, Technology, and Networks*, edited by M Steiner, pp. 18-40 (London: Pion, European Research in Regional Science, Volume 8).

Book Reviews

Feser, E. Review of *Handbook of Research on Cluster Theory*, edited by Charlie Karlsson (Cheltenham, UK, 2008), forthcoming in *Review of Regional Studies*.

Feser, E. 2009. Essay on Influential Planning Books, *Nature's Metropolis: Chicago and the Great West* (W.W. Norton, 1991), by William Cronon. *Journal of the American Planning Association* 75 (2): 262-3.

Feser, E. 2009. Review of *Clusters and Globalisation: The Development of Urban and Regional Economies*, edited by Christos Pitelis Roger Sugden, and Jams R. Wilson (Cheltenham, UK: Edward Elgar). *Growth and Change* 40 (2): 363-6.

Feser, E. 2005. Review of *Dialogues in Urban and Regional Planning*, edited by Bruce Stiftel and Vanessa Watson (London, Routledge, 2005), *Journal of Regional Science* 46 (2): 412-15.

Feser, E J. 2001. Review of *The Economics of Planning*, by Eric J. Heikkila (Rutgers, 2000), *Journal of the American Planning Association* 67 (2): 233-4.

Current Working Papers

Xiao, Y, and E Feser. The unemployment impact of the 1993 Midwest flood: A quasi-experimental intervention analysis. In review, *Natural Hazards Review*.

Drucker, J, and E Feser. Regional dominance, agglomeration economies, and manufacturing plant productivity. Center for Economic Studies, U.S. Bureau of the Census, CES 07-31, December 2007.

Feser, E, and A Isserman. Harnessing growth spillovers for rural development: The effects of regional spatial structure. Regional Economics and Public Policy Research Group, University of Illinois at Urbana-Champaign.

Feser, E. The state of the art in regional industry cluster analysis: Methods and approaches.

Feser, E. Universities as strategic planning partners in economic development.

Dissertation

Feser, E J. 1997. *The Influence of Business Externalities and Spillovers on Manufacturing Performance*. Department of City and Regional Planning, University of North Carolina at Chapel Hill. 239 pages.

Professional Reports & Monographs

French, Steve, E Feser and W Peacock, 2008, *Quantitative Models of the Social and Economic Consequences of Earthquakes and other Natural Hazards*, Mid-America Earthquake Center (Champaign, IL).

Goldstein, H, E Feser, A Freyer, B Gordon and M Weinberg. 2008. *Regional Vision Plan Integration and Implementation Phase II Final Report*. Chapel Hill, NC: Center for Urban and Regional Studies.

McElroy, M, C Olmedo, E Feser and K Poole. 2006. *Upper Rio Grande Workforce Development Board Industry Cluster Analysis*. El Paso, TX: Institute for Policy and Economic Development, University of Texas at El Paso. 54 pages.

Feser, E. 2005. *North Carolinians Online: Trends from the Citizen Surveys, 1999-2004*. Raleigh, NC: e-NC Authority. 8 pages.

Feser, E. 2004. *An Updated Set of Benchmark Value Chain Clusters for the United States, 1997*. Champaign, IL: Regional Economics Applications Laboratory, 40 pages.

Feser, E J, and T Green. 2004. *Illinois Online: Recommendations for Universal Broadband Access*. Springfield, IL: Illinois Office of Rural Affairs, 19 pages.

Feser, E J. 2004. *Industry Clusters in Economic Development: A Learning Resource*. A web-based learning tool prepared for The Toolbox (www.cdtoolbox.org), Community and Rural Development Institute, Cornell University.

Feser, E J. 2004. *Visioning North Carolina's Southeast: An Analysis of Industry Cluster Trends and Opportunities*. Report prepared for North Carolina's Southeast, Elizabethtown, NC, 104 pages.

Feser, E J. 2004. *Urban-Rural Industrial Location Shifts in the 1990s*. Report prepared for the North Carolina Rural Economic Development Center, Raleigh, NC, 62 pages.

Feser, E J. 2002. The relevance for clusters for regional innovation policy. White paper prepared for the World Bank, Latin American and Caribbean Group. 65 pages.

Feser, E J, H A Goldstein, H Renski, and C Renault. 2002. *Regional Technology Assets and Opportunities: The Geographic Clustering of High-Tech Industry, Science and Innovation in Appalachia*. Report prepared for the Appalachian Regional Commission, Washington, DC, 130 pages.

Feser, E J, and J Koo. 2001. *Kentucky Clusters: Industrial Interdependence and Economic Competitiveness*. June. Prepared for the Kentucky Science and Technology Corporation, Lexington, KY. 95 pages.

Feser, E J. 2001. *Strategic Road Map: Prospects and Guides for Building a Geomatics Industry Cluster in Mississippi*. February. Prepared for Mississippi Enterprise for Technology, Stennis Space Center, MS. 44 pages.

Feser, E J, and J Koo. 2000. *Targeting Opportunities: Industry Clusters in North Carolina's Southeast*. Prepared for North Carolina's Southeast, Southeast NC Economic Development Partnership Region, Elizabethtown, NC. 45 pages.

Feser, E J, H Renski, and A Cain. 2000. *Tracking Innovation: North Carolina Innovation Index 2000*. June. Prepared for the North Carolina Board of Science and Technology, Raleigh, NC. 76 pages.

Feser, E J, and H Renski. 2000. *High-Tech Clusters in North Carolina*. June. Prepared for the North Carolina Board of Science and Technology, Raleigh, NC. 40 pages.

Feser, E J. 1999. *Regional Growth and Industry Clusters in the Scranton-Wilkes-Barre-Hazleton Metropolitan Area*. November. Prepared for Battelle Memorial Institute, Columbus, Ohio. 50 pages.

Bosworth, B, E J Feser, T Williams, and H. Renski. 1999. *Federal Express in the Piedmont Triad: Economic Impacts and Opportunities*. November. Prepared for the Z. Smith Reynolds and Joseph M. Bryan Foundations. Regional Technology Strategies, Chapel Hill, NC. 92 pages.

Feser, E J, and S H Sweeney. 1998. *Out-migration, Population Loss, and Regional Economic Distress*. Prepared for the Economic Development Administration, U.S. Department of Commerce. Washington, DC. 80 pages.

Feser, E J and H Renski. 1998. *The Impact of Tryon Palace on Historic Preservation, Education, and the Economy*. Prepared for the Tryon Palace Commission, New Bern, NC. 35 pages.

Goodman, R, and E J Feser. 1998. *Understanding the Economic Impact of Casinos in Missouri*. October. Report prepared for the Missouri Council on Economic Integrity. U.S. Gambling Research Institute, Northampton, MA. 25 pages.

Feser, E J, H A Goldstein, and M I Luger. 1998. *At the Crossroads: North Carolina's Place in the Knowledge Economy of the 21st Century*. Prepared for the North Carolina Alliance for Competitive Technologies and North Carolina Board of Science and Technology, Raleigh, NC. 125 pages.

Becker, K, and E J Feser. 1997. *Applying Cluster Analysis to North Carolina's Regions*. 1996-7. Studies of each of seven Economic Development Partnership regions. Prepared for the North Carolina Alliance for Competitive Technologies, Research Triangle Park, NC. Approximately 400 pages in total.

Feser, E J. 1997. *Profiling North Carolina Industry*. Prepared for the North Carolina Alliance for Competitive Technologies, Research Triangle Park, NC. 105 pages.

Bergman, E M, E J Feser, and S H Sweeney. 1996. *Targeting North Carolina Manufacturing: Understanding the State's Economy through Industrial Cluster Analysis*. Prepared for the North Carolina Alliance for Competitive Technologies, Research Triangle Park, NC. Two volumes, approximately 1,100 pages in total.

Bergman, E M, E J Feser, and J Scharer. 1995. *Modern Production Practices and Needs: North Carolina's Transportation Equipment Manufacturers*. Prepared for the North Carolina Rural

Economic Development Center, Raleigh, NC. 60 pages.

Feser, E J, and E M Malizia. 1995. The proper niche of modern portfolio theory in regional analysis. Center for Urban and Regional Studies, University of North Carolina at Chapel Hill.

Cassidy, G, and E J Feser. 1993. *The Benefits of Public Assistance for Short Line Rail Rehabilitation*. Prepared for the North Carolina Department of Transportation, Raleigh, NC. 80 pages.

**Invited Research
Presentations &
Seminars**

Beyond the usual business location incentives debate: Impact analysis and institutional learning in economic development agencies, Department of City and Regional Planning, Cornell University, Ithaca, NY, 14 October 2009.

Knowledge-intensive activity in U.S. metro areas: An occupation-based analysis of 1990-2000 trends. Regional Research Institute Seminar, West Virginia University, Morgantown, WV, 11 October 2007.

Industry clusters: A backwards perspective. 11th Annual Conference of the State Science & Technology Institute, Baltimore, Maryland, 19 October 2007.

U.S. economic fragmentation and integration: Selected empirical evidence and implications, with G J D Hewings, Healdsburg Research Seminar on Megaregions, Lincoln Institute of Land Policy and Regional Plan Association, Healdsburg, CA, 5 April 2007.

Clusters and economic development outcomes: Assessing the link between clustering and economic growth, Workshop on Innovation, Clusters and Regional Development: Lessons for Cluster-Based Policy in Korea, Korea University, Seoul, 5 February 2007.

Clusters and the design of innovation policy for developing economies, Keynote address, Fifth International Conference on Industrial Clustering and Regional Development, Peking University, Beijing, China, 15 July 2006.

Urban-rural spillovers and local economic growth, Quantitative Methods in the Social Sciences Seminar, University of California at Santa Barbara, Santa Barbara, CA, 11 May 2006. Invited seminars also given at the University of Illinois Institute for Government and Public Affairs in Chicago (30 January 2006) and Urbana-Champaign (3 February 2006).

Regional clusters: Theoretical concepts, analytical methods and policy applications, series of five lectures, International Seminar in Economic Geography, University of Hannover, Hannover, Germany, 9-13 January 2006.

Appalachian technology clusters and economic development outcomes: An assessment of cluster growth and change, Workshop on Universities and Regional Development: Success Factors and Potential Dangers of Failure, Center for Research in Economic Policy, Faculty of Business and Economics, University of Pécs, Pécs, Hungary, 21 October 2005.

Modeling small area regional growth spillovers, Regional Development Research: A Fulbright Seminar in Vienna, Vienna University of Economics and Business Administration, Vienna, Austria, 12 July 2005.

Industry clusters and development policy options, RegioClub, University of Economics, Bratislava, Slovakia, 24 May 2005.

Toward innovative economic development planning in the U.S.: Universities as strategic planning partners, 2005 Planning Research Conference, Manchester, England, 7 April 2005.

State and local responses to globalization and the shifting geography of production, Fulbright Seminar in Regional Development, University of North Carolina, Chapel Hill, NC, 9 June 2004.

Clusters and regional innovation policy: A comparison of the developed and developing country contexts, Seminar on Spillovers and Innovations: City, Environment and the Economy," Verein für Umwelt and Wirtschaft, Wirtshaftsuniversität Wien, Flackl-Wirt, Reichenau/Rax, Austria, 1 June 2002.

Spatial and functional industry clusters in analytic and policy research, Subnational Regional Economics Thematic Group, World Bank, Washington, DC, 8 August 2000.

Regional and enterprise size in regional development theory, Uddevalla Workshop on Theories of Regional Development-Lessons for Policies of Regional Economic Renewal and Growth, Uddevalla, Sweden, 15 June 1998.

Economic and regional clustering, or both? OECD Workshop on Cluster-Analysis and Cluster-Based Policies, Amsterdam, Netherlands, 11 October 1997.

Designing 'appropriate' industrial policy: Industrial interdependence and geographic development strategies, keynote address, International Symposium on Industrial Park Development and Management, National Taiwan University, Taipei, Taiwan, 15 April 1997.

**Research
Conference
Presentations**

Understanding county growth dynamics, 56th Annual North American Meetings of the Regional Science Association International, San Francisco, CA, 20 November 2009.

The provision of business location incentives as a planning situation: Using fiscal impact models to make economic development investment decisions, 50th Annual Meeting of the Association of Collegiate Schools of Planning, Crystal City, VA, 3 October 2009.

Disaggregated national value chains as interindustry benchmarks for exploratory regional economic base analysis, Western Regional Science Association 48th Annual Meeting, Napa, California, 24 February 2009.

Evolving knowledge intensity in the regional workforce: An analysis of the polarization hypothesis, paper presented at the 55th Annual North American Meetings of the Regional Science Association International, Brooklyn, NY, 22 November 2008.

Knowledge-intensive activity in U.S. metropolitan areas: An occupation-based analysis of 1990-2000 trends, parallel session, joint conference of the Association of Collegiate Schools of Planning and the Association of European Schools of Planning, Chicago, IL, 9 July 2008.

Clusters and economic development outcomes: An assessment of the link between clustering and industry growth in Appalachia, 53rd Annual North American Meetings of the Regional Science Association International, Toronto, Canada, 17 November 2006.

The state of the art in regional industry cluster analysis: A review of methods and approaches, parallel session, Association of Collegiate Schools of Planning 47th Annual Conference, Fort Worth, TX, 10 November 2006.

Clusters and the design of innovation policy for developing economies, parallel session, 45th Annual Meeting of the Southern Regional Science Association, St. Augustine, FL, 31 March 2006.

Modeling the economic impacts of earthquakes and other disasters, and Evaluation of business

disruption and economic impact in the Memphis Test Bed: Plans and progress, plenary session, Annual Meeting of the Mid-America Earthquake Center, Austin, TX, 21 January 2006.

Clusters and rural economies in economic and geographic space, 52nd Annual North American Meetings of the Regional Science Association, Las Vegas, Nevada, 11 November 2005.

On building clusters versus leveraging synergies in the design of innovation policy for developing economies, Sommerseminar der Gesellschaft für Regionalforschung, German Speaking Section of the European Regional Science Association, Weimar, Germany, 23 June 2005.

An analysis of county spatial growth diffusion: Preliminary findings, parallel session, Open Conference on Knowledge and Regional Economic Development, University of Barcelona, Barcelona, Spain, 10 June 2005.

An analysis of county spatial growth diffusion, parallel session, 44th Annual Meeting of the Southern Regional Science Association, Washington, DC, 8 April 2005.

Engaging the university in economic development planning and policy, parallel session, Association of Collegiate Schools of Planning 45th Annual Conference, Portland, Oregon, 21 October 2004.

What does globalization imply for substate development policy and what of regional modeling?, parallel session, World Congress of the Regional Science Association International, Port Elizabeth, South Africa, 15 April 2004.

A comparison of labor and value chain industrial linkages with implications for industry cluster analysis, parallel session, 50th Annual North American Meetings of the Regional Science Association International, Philadelphia, PA, 22 November 2003.

Effectiveness and impact of North Carolina's economic development zones program, Fall 2003 Seminar of the Network for European-U.S. Regional and Urban Studies (NEURUS), University of Illinois, Champaign, IL, 10 October 2003.

The use of national BLS ES-202 data for small area analysis in economics and community development, parallel session, 42nd Annual Meeting of the Western Regional Science Association, Rio Rico, AZ, 1 March 2003.

The geographic clustering of high tech industry, science and innovation in Appalachia, parallel session, 49th Annual North American Meetings of the Regional Science Association International, San Juan, Puerto Rico, 16 November 2002.

The forgotten geography of industry clusters, parallel session, 41st Annual Meeting of the Southern Regional Science Association, Arlington, VA, 13 April 2002.

The use of national BLS ES-202 data for small area analysis in economics and community development, parallel session, 48th Annual North American Meetings of the Regional Science Association International, Charleston, SC, 17 November 2001.

What regions do rather than make: A proposed set of knowledge-based occupation clusters, parallel session, American Collegiate Schools of Planning 42nd Annual Conference, Cleveland, OH, 10 November 2001.

Labor based industry clusters, parallel session, 40th Annual Meeting of the Southern Regional Science Association, Austin, TX, 7 April 2001.

A descriptive analysis of discrete industry complexes, parallel session, 40th Annual Meeting of the Southern Regional Science Association, Austin, TX, 7 April 2001.

Cross metropolitan comparison of business clustering in the U.S, parallel session, 47th Annual North American Meetings of the Regional Science Association International, Chicago, IL, 11 November 2000.

Labor pools or value chains as the basis for geographic clustering of businesses, parallel session, 39th Annual Meeting of the Southern Regional Science Association, Miami Beach, FL, 14 April 2000.

Sectoral labor requirements as a basis for interindustry and spatial clustering, parallel session, 39th Annual Meeting of the Western Regional Science Association, Kauai, HI, 28 February 2000.

Out-migration and population decline as economic distress: Federal policy and local planning implications, parallel session, Association of Collegiate Schools of Planning 41st Annual Conference, Chicago, IL, 23 October 1999.

Out-migration, depopulation, and regional economic distress I: Theory and measurement, and "Out-migration, depopulation, and regional economic distress II: Spatial and temporal sensitivity analysis," parallel sessions, 38th Annual Meeting of the Western Regional Science Association, Ojai, CA, 21-24 February 1999.

An application and assessment of the Ellison-Glaeser concentration index, parallel session, 38th Congress of the European Regional Science Association, Vienna, Austria, 29 August 1998.

Factors affecting lean production portfolio adoptions, parallel session, 38th Congress of the European Regional Science Association, Vienna, Austria, 1 September 1998.

Geographic clustering and enterprise size, parallel session, Association of Collegiate Schools of Planning 38th Annual Conference, Ft. Lauderdale, FL, 7 November 1997.

The role of agglomeration in productivity at the plant level, parallel session, 43rd Annual North American Meetings of the Regional Science Association International, Washington, DC, 16 November 1996.

Geographic concentration among linked producers: An application of second-order analysis of spatial clustering for inhomogeneous populations, parallel session, 43rd Annual North American Meetings of the Regional Science Association International, Washington, DC, 16 November 16 1996.

The influence of internal and external factors on the technology adoption behavior of transportation equipment industries, parallel session, 42nd Annual North American Meetings of the Regional Science Association International, Cincinnati, Ohio, 10 November 10 1995.

Rail cost benefit analysis, parallel session, 17th Annual Association for Public Policy Analysis and Management Research Conference, Washington, DC, 3 November 1995.

Advanced production technologies adopted by suppliers to motor vehicle manufacturers in a non-traditional U.S. region, parallel session, 35th Congress of the European Regional Science Association, Odense, Denmark, 24 August 1995.

The role of proximity and scale in regional development: Linking theory and measurement,

parallel session, 34th Annual Meeting of the Southern Regional Science Association, San Antonio, TX, 23 April 1995.

The impact of rail abandonments on local economic performance, parallel session, American Collegiate Schools of Planning 35th Annual Conference, Phoenix, AZ, 6 November 1994.

Modern portfolio theory in regional analysis, parallel session, 33rd Annual Meeting of the Southern Regional Science Association, Orlando, FL, April 8, 1994.

Editorships

Regional Studies, 2009-present

Editorial Boards

Growth and Change, 2007-present

Letters in Spatial and Resource Science, 2007-present

Applied Research in Economic Development, 2007-present

Journal of the American Planning Association, 2006-present

Review of Regional Studies, 2004-present

Economic Development Quarterly, 2000-2005

Other Academic Activities

NARSC Representative, RSAmericas Council, 2008-present

Guest Editor, *Journal of Regional Analysis and Policy*, Volume 37 (1), 2007, Special Issue on Rural Policy

Benjamin Stevens Fellowship Award Committee, North American Regional Science Council, 2007-2010

Invited panelist, first annual Review Roundtable of the *Journal of the American Planning Association*, 45th Annual Conference of the Association of Collegiate Schools of Planning, Portland, Oregon, 22 October 2004. Published as Lang, R., et al., Review roundtable discussion, *Journal of the American Planning Association* 71 (2): 206-18 (2005).

Executive Council, Southern Regional Science Association, 1999-2004

Roster of Fulbright Senior Specialists, 2004-present

McNair Scholar Program Advisor, University of Illinois at Urbana-Champaign, 2004

Reader, Southern Regional Science Student Paper Competition, 2004

Manuscript referee: *Annals of Regional Science*, *Contemporary Economic Policy*, *Earthquake Spectra*, *Economic Development Quarterly*, *Economic Systems Research*, *Environmental Management*, *European Planning Studies*, *Growth and Change*, *International Regional Science Review*, *Journal of the American Planning Association*, *Journal of Agricultural and Resource Economics*, *Journal of Comparative Policy Analysis*, *Journal of Geographical Systems*, *Journal of Management Studies*, *Journal of Official Statistics*, *Journal of Planning Literature*, *Journal of Regional Analysis and Policy*, *Journal of Regional Science*, *Natural Hazards Review*, *Regional Science and Urban Economics*, *Regional Studies*, *Review of Regional Studies*, *Urban Studies*.

Recent Major University, College & Department Service

Connected Campus Committee, 2009-

Campus Research Board, 2006-2007

Co-convener, Spatial Policy Analysis Research Consortium (SPARC), 2007-2008

Educational Technologies Board, 2005-2006

Promotion & Tenure Review Committee, College of Fine & Applied Arts, 2004-2007

College of Fine & Applied Arts Dean Search Committee, 2006

Urban & Regional Planning Head Search Committee, 2006
Chair, Computing Committee, Dept of Urban & Regional Planning, 2006-2007
Executive Advisory Committee, Dept of Urban & Regional Planning, 2004-2007
NEURUS UIUC Program Director, 2006-present (co-director 2004-2006)

**External Advisory
Boards, Councils &
Other Activities**

Member, Urbana-Champaign Community Economic Response Committee, Champaign County
Regional Planning Commission, 2009-present

Member, Urban Growth and Farmland Resource Committee, Champaign County Big-Small-All
Project, 2007-present

Appointed, Governor's Broadband Deployment Council (Illinois), 2005-present

Guest Interview, Community Conversations, Urbana Public Television, 3 May 2006

Ad hoc Committee on Incentives, North Carolina Rural Internet Access Authority; Co-Chair,
Sub-committee on Supply Side Incentives, 2001-2002

Advisory Board, Program on Smart Growth and the New Economy, Center for Urban and
Regional Studies, UNC-Chapel Hill, 2000-2001

Advisory Committee, Development Report Card for States, Corporation for Enterprise
Development, Washington, DC and Durham, NC, 1999

Co-Delegate, Organisation for Economic Cooperation and Development (OECD) Focus Group
on Industry Cluster Policy, 1997-99

Best in Class (Technology Commercialization) Working Group, Small Business Technology
Development Council, Raleigh, NC, 1997

**Selected
Presentations to
Public or Policy
Audiences**

Planning for prosperity in the "New Normal" economy: Understanding and responding to
changes in private finance, sectoral restructuring, and the role of human capital, American
Planning Association Planners Training Service, two day training session (with Ron Coan), San
Francisco, CA, 5-6 November 2009.

Analytical data for economic development strategic planning, Rural Community Development
Branch Staff Training session, sponsored by the Ontario Ministry of Agriculture, Food and
Rural Affairs, University of Waterloo, Waterloo, Canada, 17 June 2009.

Identifying competitive advantage with linkage analysis, Advanced Workshop for Economic
Development Professionals, sponsored by the Economic Developers Council of Ontario, the
Ontario Ministry of Economic Development, and the Ontario Ministry of Agriculture, Food and
Rural Affairs, University of Waterloo, Waterloo, Canada, 16 June 2009.

Positioning your community for economic recovery and prosperity, American Planning
Association Planners Training Service, two day training session (with Ron Coan), Chicago, IL
6-7 June 2009.

The impact of the recession on the Midwest, Illinois, and Coles County, invited address, annual
meeting of Coles County Tomorrow, Mattoon, Illinois, 1 May 2009.

Building New Foundations: Making the Case for a Data-driven Approach to Regional Economic
Development," invited seminar, with Mark White, Economic Development Council of Ontario,
Toronto, Ontario, 3 February 2009.

Invited speaker and panelist, Economic Development Incentives Symposium, Center for Competitive Economies, Kenan-Flagler School of Business, University of North Carolina, Chapel Hill, NC, 5 December 2008.

Using Clusters in Economic Development: An (Unofficial) Update on the Statewide Cluster Analysis Component of the NC Vision Plan Project, North Carolina Department of Commerce, Raleigh, NC, 23 June 2008.

Approaching industry cluster analysis: Three virtues, invited presentation, 48th Annual Conference of the Council for Community and Economic Research, Atlanta, GA, 15 May 2008.

Building new foundations: Formulating data-driven regional development strategies (with Mark White), 4 hour workshop, Chicago Region Annual Conference, U.S. Economic Development Administration, Cleveland, OH, 14 May 2008.

Regional approaches to understanding the knowledge economy, invited presentation, "The Many Faces of Regionalism: From the Mega to the Micro," organized by the Purdue Center for Regional Development, Indianapolis, IN, 17 April 2008.

Building new foundations for data-driven regional economic strategy: Integrating workforce and economic development planning (with Ken Poole, Scott Cheney, Mark White and Tom Tveidt), a two-day workshop, Forum 2008, National Association of Workforce Boards, Washington, DC, 22-23 February 2008.

Understanding the technology and innovation economy: Setting a research agenda for Hawaii (with Ken Poole and Mark White), Hawaii Science and Technology Council, Honolulu, HI, 14 February 2008.

Regional industry clusters in economic development: Concepts, policy applications and analysis tools, two day professional workshop, Council for Community and Economic Research, Urbana, IL, 11-12 April 2007.

Clusters and regional economic competitiveness, Eighth Annual Planning Institute, University of Illinois at Urbana-Champaign, Urbana, IL, 2 March 2007.

Why cross-border initiatives matter: Three stories of interregional interdependence, invited keynote address, Conference on Creating Wealth: Regional Development through Cross-Border Collaboration, Asheville, NC, 28 September 2006.

Regional industry cluster analysis using spatial concepts, one day professional workshop, ACCRA 46th Annual Conference, Charlotte, NC, 7 June 2006.

Why local officials should care about information technology, invited plenary presentation, 17th Annual Rural Community Economic Development Conference, Peoria, IL, 8 March 2006.

The state role in broadband deployment and bridging the digital divide, invited address, 6th Annual Telecommunications Conference, Springfield, IL, 17 November 2005.

Techniques of industry cluster analysis, one day professional workshop, ACCRA Research Training Conference, Dallas, TX, 22 September 2005.

An analysis of county spatial growth diffusion, U.S. Department of Agriculture, Washington, DC, 11 April 2005.

Broadband and economic development, invited address, Sixth Annual Illinois Planning Institute,

University of Illinois at Urbana-Champaign, Champaign, IL, 4 March 2005.

The University's role in the economic development delivery, invited address to the University of North Carolina Board of Governors Committee on Economic Development and the University, Chapel Hill, NC, 17 November 2004.

How to achieve widespread broadband access for the information age, invited keynote address, 5th Annual Illinois Telecommunications Conference: Building a Brighter Future, Creating Connected Communities, Springfield, IL, 10 November 2004.

Broadband challenges in Illinois, invited address to a meeting of 40 broadband providers hosted by Lt. Governor Pat Quinn, Chicago, IL, 4 November 2004.

Invited panelist, Roundtable on the Future of Broadband in Illinois, 2nd Annual Partners in Planning Conference, Illinois Association of County Board Members and Commissioners, Peoria, IL, 28 October 2004.

Policy options for Illinois rural broadband deployment, invited address to the Illinois Broadband Task Force, Argonne National Laboratory, IL, 6 October 2004.

Quantitative techniques in cluster analysis, 1.5 day professional workshop, ACCRA Annual Research Training Conference, Arlington, VA, 16-17 September 2004.

What I learned on my 'summer vacation': What the University of North Carolina should know about the North Carolina Department of Commerce, invited address to Economic Development Leadership Summit, Chapel Hill, NC, 9 December 2003.

The significance of grid computing, web services, and other broadband technologies for North Carolina's economic development, invited address, North Carolina Grid Computing Conference, Chapel Hill, NC, 28 October 2003.

Quantitative techniques in cluster analysis, 1.5 day professional workshop, ACCRA Annual Research Training Conference, Dallas, TX, 25-26 September 2003.

Where we've been, where we are, and where we're going: North Carolina's economy and the 'job-loss' recovery, invited address, North Carolina Association of County Commissioners, Greensboro, NC, 14 August 2003; and the North Carolina Economic Development Board, Asheville, NC, 21 August 2003.

Advanced manufacturing: Implications the development of rural North Carolina, invited address, North Carolina Economic Developers Association, Atlantic Beach, NC, 10 June 2003.

An advanced manufacturing strategy for North Carolina, presentation to the North Carolina Economic Development Board, Greensboro, NC, 21 May 2003.

North Carolina's taxes and incentives relative to its competitor states, invited presentation, Economic Development Committee Economic Forum, North Carolina House of Representatives, Raleigh, NC, 20 May 2003.

On disequilibrating forces in the New Economy, invited address, North Carolina Board of Science and Technology, Raleigh, NC, 31 January 2003.

Relating clusters to workforce development, invited presentation, Davidson County Workforce Development Board, Lexington, NC, 31 October 2002.

Rural industry targeting study: Preliminary findings, North Carolina Rural Research Network Symposium, Raleigh, NC, 30 October 2002.

North Carolina's economy in perspective, invited address, 3rd Annual Northwest Leadership Summit: Rebuilding Northwestern North Carolina, Broyhill Inn and Conference Center, Boone, NC, 24 October 2002.

Clusters, targeting and workforce development in the Triad, invited keynote address, Forum on Workforce Preparedness, Piedmont Triad Partnership Foundation, Greensboro, NC, 4 October 2002.

Introduction to cluster analysis, and Quantitative cluster analysis methods, 1.5 day professional workshop, ACCRA Annual Research Training Conference, Arlington, VA, 16-17 September 2002.

Study findings: Technology clusters in Appalachia, invited presentation, forum on Appalachia's Technology Assets and Opportunities, hosted by the Appalachian Regional Commission and West Virginia University, Morgantown, WV, 22 August 2002.

North Carolina's prospects for adjustment to globalization. invited address, Forum on Globalization and the Restructuring of North Carolina Industry: Problems and Opportunities, co-organized by the European Union Center of North Carolina, NC State University, the Northwest Chapter of the NC World Trade Organization, NC Department of Commerce, AdvantageWest, and Appalachian State University; Hickory, NC, 23 May 2002.

Utilizing industry clusters in development policy, invited presentation, North Carolina Economic Development Board, Community Readiness and Urban Development Committee, Raleigh, NC, 25 April 2001.

Utilizing industry clusters in development policy, invited presentation, North Carolina Department of Commerce, Raleigh, NC, 26 March 2002.

The innovation policy puzzle: Building and sustaining technology regions, invited plenary speaker, Province of Overijssel RIS+ Innovation Conference, Zwolle, The Netherlands, 15 November 2001.

Using Geo-coded ES-202 data for policy-related research, invited plenary speaker, 2001 National Bureau of Labor Statistics/Labor Market Information Conference, Asheville, NC, 23 May 2001.

Findings from the Kentucky Industry Cluster study, Kentucky Chamber of Commerce Board of Directors, Bowling Green, KY, 10 May 2001.

Geomatics in Mississippi, presentation to the Institute for Technology Development and Mississippi Technology Alliance, Stennis Space Center, MS, 7 May 2001.

Findings from North Carolina's first technology index study, North Carolina Board of Science and Technology, Banner Elk, NC, 27 October 2000.

Introduction to Industry Cluster Analysis, invited presentation, Research Methods for Economic Development Practitioners, sponsored by ACCRA Center for Applied Community Research and the National Association of State Development Agencies, Arlington, VA, 21 September 2000.

The new economy: Implications for urban space, invited presentation, NC APA Summer Planning Institute, Chapel Hill, NC, 5 August 2000.

Technology and innovation in North Carolina: Anticipating trends, invited address, Vision 2030: Mapping the Vision, conference sponsored by the NC Board of Science and Technology, North Carolina Museum of History, Raleigh, NC, 13 June 2000.

Industry clusters and workforce development planning, invited presentation, Global Transpark Community College Presidents' Consortium, Kinston, NC, 31 May 2000.

Toward the new economy: High tech trends, industry clusters, and innovation infrastructure, Vision 2030 Regional Conferences, sponsored by the North Carolina Board of Science and Technology, Asheville (December 10), Winston-Salem (February 7), Elizabeth City (February 15), Wilmington (February 16), 2000.

Prospects for a proposed Chongqing Science Park, Chongqing Planning Commission, Chongqing, China, 21 December 2000.

Invited plenary speaker and panelist, Policy Forum: Innovations in State Science and Technology Practices, University of Akron, Akron, OH, 13 October 1999.

Industry cluster analysis: Seeing regional economies whole, invited presentation to the third annual conference of the State Science and Technology Institute, Indianapolis, IN, 6 October 1999.

Implications of out-migration and depopulation for local development planning, U.S. Economic Development Administration Denver Regional Office Annual Conference, Breckenridge, CO, 7 July 1999.

Initial Impressions and opportunities for change, invited presentation on prospects for economic development in Ciudad Juárez to 150 business and political leaders, Ciudad Juárez, Mexico, 18 May 1999.

Introduction to industry cluster analysis, invited presentation to National Association of State Development Agencies Workshop on Clusters, San Antonio, TX, 14 May 1999.

Conducting an industry cluster analysis. . .and some principles for commissioning good cluster analyses, invited presentation, Second Annual Conference of the State Science and Technology Institute, Columbus, OH, 24 September 1998.

At the crossroads: Summary of findings, presentation to North Carolina Alliance for Competitive Technologies, Raleigh, NC, 14 October 1998.

Migration, population loss, and regional economic distress: Study findings, U.S. Economic Development Administration Denver Regional Office Annual Conference, Vail, CO, 10 July 1998.

Research and Development Investment in North Carolina, invited presentation of state R&D trends and needs to conference of the Governor, state legislators, state administrators, and education leaders organized by the N.C. Board of Science and Technology, Raleigh, NC, 22 April 1998.

Migration, population loss, and regional economic distress: Study findings, U.S. Economic Development Administration Chicago Regional Office Annual Conference, Chicago, IL, 12 March 1998.

Using the strategic cluster framework for local and regional economic development,

professional workshop, Third Annual North Carolina Economic Development Course, Chapel Hill, NC, 10 September 1997.

Using cluster analysis in economic development practice, invited presentation to the Board of North Carolina Southeast (Southeast Development Partnership), 24 June 1996.

Using industry clusters to identify specializations, strengths, and weaknesses in state economies, invited presentation to the North Carolina Department of Commerce, Raleigh, North Carolina, 5 March 1996.

Technology use in North Carolina's transportation equipment industry cluster, invited presentation to the Task Force on Structure, Organization, and Financing of the North Carolina Alliance for Competitive Technologies, Research Triangle Park, NC, 12 April 1995.

**Doctoral
Students
Supervised**

Henry Renski, *An Investigation of the Industrial Ecology of Business Startup and Survival* (2006, UNC-Chapel Hill). Dissertation honors: National Science Foundation Dissertation Grant and Kauffman Foundation Fellowship. Assistant Professor, University of Massachusetts at Amherst, July 2007-present.

Marcela González Rivas (2007, UNC-Chapel Hill). *The Implications of Trade Openness for Regional Inequality in Mexico*. Visiting Assistant Professor, Cornell University, July 2008-present.

Joshua Drucker (2008, UNC-Chapel Hill). *The Influence of Regional Dominance on Industrial Success: A Productivity-Based Analysis*. Dissertation honors: North American Regional Science Council Benjamin Stevens Fellowship and Kauffman Foundation Fellowship. Assistant Professor, University of Illinois at Chicago, August 2008-present.

Yu Xiao (2009, University of Illinois). *Local Labor Market Adjustment and Economic Impacts After a Major Disaster: Evidence from the 1993 Midwest Flood*. Assistant Professor, Texas A&M University, August 2008-present.

Timothy Green (Fall 2005-present, University of Illinois).

**Doctoral
Committees**

Chenxi Yu (Urban Planning, Illinois)
Andi Irawan (Urban Planning, Illinois)
Jordi Honey-Roses (Urban Planning, Illinois)
Mallory Rahe (Urban Planning, Illinois)
Jae Hong Kim (Urban Planning, Illinois)
Jose D. De Leon (Geography, Illinois)
Aguinaldo Maciente (Agricultural and Consumer Economics, Illinois)
Johanna Robles (Urban Planning, Illinois)
Sarah Low (2009, Agricultural and Consumer Economics, Illinois)
Soo Jung Ha (2008, Urban Planning, Illinois)
Julia Koschinsky (2008, Urban Planning, Illinois)
Xia Feng (2008, Agricultural and Consumer Economics, Illinois)
Drake Warren (2008, Agricultural and Consumer Economics, Illinois)
Eduardo Cadu Silva (2007, Urban Planning, Illinois)
Fernando Vial (2005, Urban Planning, Illinois)
Dong Guo (2005, Urban Planning, Illinois)
Jaime Bonet (2004, Urban Planning, Illinois)
Catherine Renault (Public Policy, 2003, UNC-CH)
Jun Koo (2003, City and Regional Planning, UNC-CH)
Johannes Traxler (2002, City and Regional Planning, UNC-CH)
Brian Kropp (2001, Public Policy, UNC-CH)

Robin Howarth (2000, City and Regional Planning, UNC-CH)
Stuart Sweeney (1999, City and Regional Planning, UNC-CH)

**Masters
Theses/Projects
Directed**

Bujarski, Luke, MUP 2008, *A Case for Aerospace in Central Indiana: Discovering the Prospects for Future Growth in the Aero Engines and Parts Industry*
Schmidt, Brett, MUP 2008, *Economic Development in the U.S. Military's New Counterinsurgency Doctrine*
Hultine, Sarah, MUP 2007, *Beyond the Farmers' Market: Planning for Local Food Systems in Illinois, A Guide for Community Leaders*
Allen, Nate, MUP 2007, *Analysis of Miami-Dade County's Adoption of a Strong Mayor Form of Government*
Cornille, Thomas, MUP 2007, *Costs and Control in a Half-Century of Commuter Rail Policy*
Crowe, Greg, MUP 2005, *Retail Market Profile: City of Decatur, IL*
Rust, Adam, MRP 2003, *The Geography of Unemployment, Income and Mortality in the U.S.*
Yoo, Ki-Young, MRP 2003, *Methods for Identifying Industry Clusters: Assessment of the State of the Art*
Wenter, Bryan, MRP 2002, *The Use of Eminent Domain to Promote Economic Development: Sports Stadia, Public Use, and the Need for Heightened Judicial Scrutiny*
Binder, Ruth Ann, MRP 2002, *Creating Successful Social Purpose Enterprises*
Cain, Aaron, MRP 2001, *Retail Development Options for Downtown Hillsborough*
Billings, Stephen, MRP 2001, *GIS and "Smarter" Residential Development: A Development Tool and Analysis for Southeast Raleigh and Wake County*
Chesnut, Karen, MRP 2001, *The Impact of Economic Disintegration in Eastern Europe on Firms and Trade Patterns*
Drucker, Joshua, MRP 2000, *American and Australian Urban Forms: A Comparison of Structure, Determinants, and Consequences*
Parrish, Leslie, MRP 2000, *Downtown Revitalization through Artist Niches: A Feasibility Guide*
Byfield, Brian, MRP 2000, *Financing Conservation from Overseas: An International Lesson from Jamaica*
Hinkley, Sarah, MRP 1999, *Boundaries: The Politics of Regional Cooperation*
Forman, Eric, MRP 1999, *North Carolina's Customized Job Training Programs: An Evaluation of Effectiveness*
Callaway, Cassandra, MRP 1999, *Do Downtown Revitalization Projects Generate Economic Benefits?*
Vrtunski, Sasha, MRP 1999, *The Downtown Revitalization of Asheville, North Carolina: A Model from the Mountains*
Drescher, Denise, MRP 1999, *Airport Economic Impact Analysis: A Case Study and Guide for Practitioners*
Inerfeld, Robert, MRP 1998, *Midway Business Center: Market Overview and Operating Plan*
Deaton, Laura, MRP 1998, *Taking Aim: How are North Carolina Economic Incentives Targeted?*

**Consulting
(Clients)**

University of North Carolina at Chapel Hill (Chapel Hill, NC)
Louisiana Board of Regents (Baton Rouge, LA)
City of Las Vegas (Las Vegas, NV)
Institute for Policy and Economic Development, UTEP (El Paso, TX)
Center for Economic and Regional Competitiveness (Washington, DC)
The World Bank (Washington, DC)
Mississippi Enterprise for Technology (John C. Stennis Space Center, MS)
University of North Carolina at Wilmington (Wilmington, NC)
Davidson County Workforce Development Board (Lexington, NC)
North Carolina Department of Commerce (Raleigh, NC)
North Carolina Rural Internet Access Authority (Raleigh, NC)
ACCRA (Washington, DC)

Grey2K USA (Somerville, MA)
New York Life Insurance Company (New York, NY)
Coca Cola Mexico (Ciudad Juárez, Mexico)
Gloucester County Economic Development Authority (Hampton Roads, Virginia)
Battelle Memorial Institute (Cleveland, OH)
Regional Technology Strategies, Inc. (Chapel Hill, NC)
U.S. Gambling Research Institute (Northampton, MA)
North Carolina Technological Development Authority (Research Triangle Park, NC)
Mt. Auburn Associates (Somerville, MA)