

Harvey A. Goldstein

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MODUL University – Vienna
Am Kahlenberg 1
Vienna, Austria
A-1190
Email: harvey.goldstein@modul.ac.at
Phone: + 43 1 320 3555 600
Mobile: + 43 (0)664 846 3925
Fax: + 43 1 320 3555 903

Research and Teaching Interests

State and local economic development policy
Regional economic restructuring and change
Labor market dynamics and employment forecasting
Research and evaluation methods
Entrepreneurship and innovation
Development theory

Education

Ph.D., University of Pennsylvania (City and Regional Planning), 1977.
M.C.P., University of Pennsylvania (City and Regional Planning), 1971.
M.A., University of Pennsylvania (Regional Science), 1971.
B.S., Columbia University (Electrical Engineering), 1969

Academic Appointments

Dates

MODUL University-Vienna, Austria	
Department of Public Governance and Sustainable Development	
Professor and Department Head	8/08 --
Vice President (Vice-Rektor)	8/12 --
University of North Carolina at Chapel Hill	
Department of City and Regional Planning	
Emeritus Professor	8/08 --
Professor	7/93 – 7/08
Associate Professor	7/84 -- 6/93
Visiting Associate Professor	7/82 – 6/84
Department of Public Policy	
Adjunct Professor	7/02 – 8/08
Columbia University	
Graduate School of Architecture and Planning	
Assistant Professor	7/78 -- 6/82
Virginia Polytechnic Institute and State University	
Division of Urban Planning	
Assistant Professor	9/76 – 6/78

Awards and Honors

- 1/06 - 6/06 Kauffman Foundation Faculty Fellowship for the Study of Entrepreneurship.
- 7/03 - 6/05 Fulbright Alumni Initiative Award.
- 3/00 1st Millenium Lecture at the Institute for Economic Geography, Vienna University of Economics and Business Administration, Vienna, Austria.
- 3/00 - 6/00 Fulbright Senior Scholar, Vienna University of Economics and Business
- 5/89 - 6/89 DAAD Grant for study and research in West Germany.
- 5/87, 6/89 Guest Professor, Institute for Urban and Regional Studies, Vienna University of Economics and Business Administration, Vienna, Austria

Sponsored Research Awards

- 4/12 – 3/13 Barriers and Obstacles to the Generation of University Spin Offs in the Vienna Region. € 36,531 grant from the Vienna Chamber of Commerce. Principal Investigator.
- 11/06 - 7/08 Regional Vision Plans Integration and Implementation. \$145,178 contract from the North Carolina Department of Commerce. Principal Investigator.
- 5/07 - 4/08 Doctoral Dissertation Research for Technology Policy and Economic Development. \$5,510 grant from the National Science Foundation (for Nick Maynard, Ph.D. student). Principal Investigator.
- 8/04 - 6/08 Regions, Industrial Dominance, and Business Success. \$54,730 grant from the National Science Foundation (Subcontract from the University of Illinois, Urbana-Champaign). Principal Investigator.
- 10/03 - 6/05 Evaluation of University-Related Science and Technology Parks. \$129,900 grant from the Economic Development Administration, U.S. Department of Commerce. Co-PI.
- 1/03 - 6/04 Studies to Improve Statewide Employment Projections. \$85,700 contract from the U.S. Department of Labor, Employment and Training Administration, ALMIS Projections Consortium. Principal Investigator.
- 3/02 - 2/04 When Technology Spillovers are Localized: Importance of Technological and Regional Attributes. \$1,500 grant from the National Science Foundation. Principal Investigator.

- 12/01 - 12/02 The New Economy: Science and Technology Indicators of Long-range Regional Industry Employment Growth. \$41,000 contract from the ALMIS Projections Consortium, U.S. Employment and Training Administration. Principal Investigator.
- 10/00 - 9/01 An Assessment of Appalachia's R&D and Technology Assets and Future Potential. \$44,979 grant from the Appalachian Regional Commission. Co-PI.
- 7/99 - 9/00 Migration and the State Occupational Employment Projection Process. \$103,322 grant from the Employment Security Commission of North Carolina. Principal Investigator.
- 10/98 - 9/01 Comparative Regional Policy and Development in the Era of Territorial Integration. \$175,800 grant from the U.S. Department of Education, Fund for the Improvement of Postsecondary Education. Principal Investigator.
- 11/97 - 10/98 Linking Econometric and Demographic Models to the Long-Term Projections System. \$47,472 contract from the Employment Security Commission of North Carolina. P.I.
- 1/98 - 12/00 Community Outreach Partnership Centers Program. \$1,794,238 contract from the U.S. Department of Housing and Urban Development. Faculty Associate.
- 2/97 - 12/97 An Assessment of North Carolina's Industry and Higher Education Technology Strengths and Opportunities. \$82,649 contract from the North Carolina Alliance for Competitive Technologies and the North Carolina Board of Science and Technology. Co-PI.
- 8/96 - 8/97 Evaluation of States' Employment Projections and Labor Force Migration Study. \$70,543 grant from the North Carolina Employment Security Commission. Principal Investigator.
- 8/95 - 7/96 The Effect of Migration on Occupational Employment at the State/ Substate Levels. \$22,520 grant from the U.S. Department of Labor, Employment and Training Administration through the ALMIS Long-term Projections Consortium. P.I.
- 3/95 - 3/96 Design and Testing of an Industry Employment Projection Module for America's Market Information System (ALMIS). \$75,000 contract from the U.S. Department of Labor, Employment and Training Administration. Principal Investigator.
- 7/93 - 12/93 Assessment of the Economic Development Impacts of the Consolidation of Durham City and County Governments. \$1,460 contract from Durham County. Principal Investigator.
- 11/92 - 12/93 The Impact of North Carolina State University's College of Engineering on the State of North Carolina. \$29,905 contract from North Carolina State University. Co-PI.

- 3/92 - 9/92 Economic Impact of Engineering Research Center. \$15,400 contract from North Carolina State University. Co-PI.
- 4/92 - 8/92 Regional Milieu and Economic Sustainability. \$4,000 summer research stipend from the Institute for Research in Social Science, UNC-CH. Principal Investigator.
- 6/91 - 12/91 University-Based Targeted Economic Development Strategies for the Wilmington, NC Area (\$4,150 grant from the University of North Carolina at Wilmington). P.I..
- 6/91 - 12/91 Policy and Procedures for Joint Military-Civilian Comprehensive Planning Efforts. Planning Efforts. Grant from the North Carolina Department of Economic and Community Development. Faculty Associate.
- 9/90 - 8/91 Regional Milieu and the Incidence of Technology-Based Start-ups. (\$2,500 grant from the Frank H. Kenan Institute of Private Enterprise). Principal Investigator.
- 7/90 - 4/91 The Regional Economic Impact of the University of North Carolina at Chapel Hill. \$16,828 grant from the UNC-CH Bicentennial Observance. Principal Investigator.
- 6/89 - 9/90 Joint Compatible Land Use Study. Grant from the U.S. Department of Defense and North Carolina Department of Economic and Community Development. Faculty Associate.
- 12/88 - 9/90 Universities' Roles and Effectiveness in Promoting Regional Economic Development. (\$17,000 grant from the National Center for Postsecondary Governance and Finance, Columbia University). Co-PI.
- 2/87 - 1/89 Science/Research Parks and Local Economic Development (\$94,000 grant from the Ford Foundation). Co-PI.
- 8/86 - 7/87 Federal Labor Protection Provisions and the Contracting of Transit Services. (\$217,727 grant from the Urban Mass Transportation Administration, U.S. Department of Transportation to the University of North Carolina.) Principal Investigator.
- 4/86 - 2/87 A Guidebook for Developing Occupational Employment Projections for States and Substate Areas. (\$25,000 personal services contract from the National Occupational Information Coordinating Committee.) Principal Investigator.
- 10/83 - 8/85 Evaluation of the State and Area Industry and Occupational Employment Projections Program (\$185,624 contract from the U.S. Bureau of Labor Statistics), Research Triangle Institute and the University of North Carolina. Co-P.I.
- 6/83-6/85 Industry Employment Projections for the State of North Carolina (\$17,000 contract from the Employment Security Commission of North Carolina). Principal Investigator.

- 7/82-6/83 Incidence and Impacts of Industrial Development in North Carolina Communities (\$15,500 contract from North Carolina Department of Natural Resources and Community Development); University of North Carolina. Co-P.I.
- 9/80 - 6/82 Models of Industry Employment Change for Labor Market Areas and States (\$143,486 award from U.S. Department of Labor, Employment and Training Administration); Center for the Social Sciences, Columbia University. Principal Investigator.
- 8/79 - 8/80 Monograph on Local Occupational Forecasting (\$24,995 award from U.S. Department of Labor, Employment and Training Administration); Columbia University. P.I.
- 9/78 - 12/78 New York City Rent Control Study (contract from New York City Department of Housing Preservation and Development), Columbia University. Faculty Associate.
- 3/78 - 8/78 Virginia Pump Storage Feasibility and Impact Study (\$527,523 contract from American Electric Power Company); Center for Environmental Studies, Virginia Polytechnic Institute and State University. Faculty Associate.
- 9/77 - 8/78 Continuing Work on Revenue Models (\$17,118 award from Commonwealth of Virginia, Division of Motor Vehicles); Center for Urban and Regional Studies, Virginia Polytechnic Institute and State University. Principal Investigator.
- 1/77 - 5/77 Effect of Recent Adjustments in Urban Labor and Housing Markets on Mid-Age Women's Employment Experience, Seed Grant award from College of Architecture and Urban Studies, Virginia Polytechnic Institute and State University. Principal Investigator.
- 9/71 - 8/72 The University of Pennsylvania-R.P.A. Residential Location Model Project; Institute for Environmental Studies, University of Pennsylvania. Research Assistant.

Consultations

- 11/11 – 12/11 Member, International Advisory Board of the Socio-Economic Development Strategy of the City of Moscow to the Year 2025
- 9/09 -- External evaluator of U.S. Department of Education funded ICURD/NEURUS program.
- 2/09 – 11/09 External reviewer for EU-funded research project, Regional Governance in the Context of Globalization (SWECO International, lead contractor).
- 4/09 – 6/09 External reviewer for EU-funded research project, Knowledge economy, economic transformations and ICT in the EU-25+.

- 12/07 – 2/10 Development of curriculum materials on techniques for employment projections, Projections Managing Partnership (PMP), U.S. Department of Labor.
- 12/07 Lead trainer, Industry Employment Projections Training for State Labor Market Information Analysts, Salt Lake City, UT
- 12/06 – 8/07 Regional Technology Strategies, Inc. Consultant on Louisiana R&D and Technology Strengths Assessment.
- 2/04 Lead trainer, Industry Employment Projections Training for State Labor Market Information Analysts, sponsored by the ALMIS Projections Consortium. Boise ID, and Austin TX.
- 3/03 - 12/05 E-NC Authority. Outside evaluator of the Local E-Government Project (LEG-UP), a pilot project to increase rural local governments' provision of services through the internet. Funded by the U.S. Department of Commerce, National Telecommunications and Information Administration, Technology Opportunities Program (TOP).
- 12/01 Research and Evaluation Associates, Inc., Chapel Hill, NC. Consultant on a research study of the evaluation of job apprenticeship marketing programs in high-growth industries,
- 7/99 - 12/99 Lead trainer, Advanced LMI Analyst Training course, ALMIS Labor Market Information Institute, U.S. Employment and Training Administration.
- 1/99 - 2/00 A Marine Science and Technology Strategy for Hampton Roads, Virginia VA for Regional Technology Strategies, Inc., Chapel Hill, NC.
- 8/96 - 8/97 System Development and Training for Long-Term Industry Projections. Contract with the ALMIS Long-Term Projections and Census Tools Consortium, Employment and Training Administration, U.S. Department of Labor.
- 4/95 - 6/95 Research and Evaluation Associates, Inc. Conducted analyses of regional labor markets to assess the demand for the continuing education functions of historically Black colleges and universities (HBCUs).
- 5/94 - 6/94 U.S. Agency for International Development. Conducted a labor force assessment to identify causes of skill shortages in strategic industry sectors, Jamaica.
- 11/93 U.S. Agency for International Development. Invited participant in a workshop to advise USAID on refining its approach to conducting work force assessments.
- 5/92 - 12/92 U.S. Department of Labor, Bureau of Labor Statistics. Consultant to advise the development of a labor market information system for the Republic of Hungary.
- 9/91 United Kingdom, Department of Employment. Invited expert to attend a seminar and

provide advice on evaluating Training and Enterprise Corporations (TECs).

- 10/90 - 3/91 Oregon Occupational Information Coordinating Committee. Consultant to provide training materials and serve as lead trainer for state labor market analysts.
- 4/89 - 5/89 United Nations Development Programme. Leader of a mission to Lagos, Nigeria to conduct an evaluation of the UNDP-sponsored Manpower Planning Project.
- 6/86 - 1/89 U.S. Department of Labor and National Occupational Information Coordinating Committee. Consultant to provide training on the development of industry and occupational employment projections to state labor market analysts.
- 4/85 - 11/86 Ohio Bureau of Employment Services. Consultant to help design and develop an industry employment projections system for the State of Ohio and substate areas.
- 6/85 - 9/85 North Carolina Alternative Energy Corporation. Consultant to recommend a design for estimating the economic benefits of alternative energy industries to the State of North Carolina.
- 1/83 - 9/83 Research Triangle Institute, Research Triangle Park, N.C. Consultant on a study to project changes in the economic and spatial structure of Wake County, North Carolina.
- 10/81 - 5/82 Research Triangle Institute, Research Triangle Park, N.C. Consultant on a study to recommend methods for projecting occupational training needs, State of Texas.
- 9/81 - 10/81 U.S. Bureau of Labor Statistics and Republic of Venezuela. Consultant to develop curricula material, and to train technical staff of Venezuelan government, on methods of employment forecasting for manpower and educational planning, Caracas, Venezuela.
- 2/81 - 6/81 National Occupational Information Coordinating Committee and U.S. Bureau of Labor Statistics. Contract to develop, test, and conduct 3 one-week courses on methods of regional industry employment forecasting for state and local labor market analysts.
- 1/80 - 3/81 Greenleigh Associates, New York, N.Y. Regional economic consultant on U.S. Economic Development Administration research contract, "The Impact of Tax Incentives on Economic Development."
- 9/77 - 6/78 East Baltimore Community Corporation, Baltimore, MD. Development of a set of strategy papers for community- based economic development through College of Architecture and Urban Studies Field Program, Virginia Polytechnic Institute and State University.
- 11/76 - 6/77 U.S. Department of Housing and Urban Development, under contract to the National Training and Development Service. Developed, tested and conducted a series of

two-day short courses on Cost-Benefit and Cost-Effectiveness Analysis for Urban Managers.

- 11/75 - 2/76 Community Legal Services, Inc., Philadelphia, PA. Economic Consultant to project demand for group housing in West Philadelphia Urban Renewal Area.
- 6/70 - 9/70 City of Warwick Planning Department, Warwick, R.I. Planning intern.
- 1/70 - 5/70 Delaware Valley Regional Planning Commission, Philadelphia, Pa. Planning technician.
- 9/69 - 12/69 Institute of Urban Environment, Columbia University, New York, N.Y. Statistical consultant to estimate aggregate land value in the U.S. by economic sector and use.

Other Professional Experience

- 1991 - 1997 Editorial Board, *Workforce*.
- 1994 - 2004 Advisory Board, *Cityscape, A Journal of Policy Development and Research*
- 1983 - 1988 Technical Editor, *Journal of the American Planning Association*.
- 1984 - 1985 Co-Director, Basic Economic Development Course, Institute for Economic Development, UNC-CH.
- 1999 - 2008 Director, Institute for Economic Development, UNC-CH.

Publications

A. Articles in Refereed Journals

H. Goldstein, E. M. Bergman, and G. Maier, "University Mission Creep? Comparing EU and U.S. Faculty Views of University Commercialization and Regional Economic Development," *Annals of Regional Science*, 50, 2 (2013): 453-477.

H. Goldstein, "The Quality of Planning Scholarship and Doctoral Education," *Journal of Planning Education and Research*, 32, 4 (2012): 493-496.

H. Goldstein and K. Glaser, "Research Universities as Actors in the Governance of Local and Regional Development," *Journal of Technology Transfer*, 37, 2 (2012): 158-174.

H. Goldstein, N. Lowe, and M. Donegan, "Transitioning to the New Economy: Individual, Regional, and Intermediation Influences on Workforce Retraining Outcomes," *Regional Studies*, 46, 1 (2012):

105-118.

N. Lowe, H. Goldstein, and M. Donegan, "Patchwork Intermediation: Challenges and Opportunities for Regionally Coordinated Workforce Development," *Economic Development Quarterly*, 25 (2011): 158-171.

H. Goldstein and G. Maier, "The Use and Valuation of Journals in Planning Scholarship: Peer Assessment Versus Impact Factors," *Journal of Planning Education and Research*, 30 (1): 66-75 (2010).

H. Goldstein, "To What Extent is Academic Entrepreneurship Taken-for-Granted in Research Universities?" *Higher Education Policy*, Vol. 23 (2010): 1-15.

H. Goldstein, "The Entrepreneurial 'Turn' and Regional Economic Development Mission of Universities," *Annals of Regional Science*, Vol. 44, 1: 83-109 (2010).

E. Feser, H. Renski, and H. Goldstein, "Clusters and Economic Development Outcomes: An Analysis of the Link Between Clustering and Economic Growth". *Economic Development Quarterly*, Vol. 22, 4: 324-344 (2008).

M. Donegan, J. Drucker, H. Goldstein, N. Lowe, and E. Malizia, "Which Indicators Explain Economic Performance Best? Traditional or Creative Class". *Journal of the American Planning Association*, Vol. 74, 2 (2008): 180-195.

J. Drucker and H. Goldstein, "Assessing the Regional Economic Development Impacts of Universities: A Review of Current Approaches," *International Regional Science Review*, Vol. 30, 1 (2007): 20-46.

H. Goldstein and J. Carmin, "Assessing Disciplinary Progress in Planning", *Journal of Planning Education and Research*, Vol. 26, 1 (2006): 66-79.

H. Goldstein and J. Drucker, "The Economic Development Impacts of Universities on Regions: Do Size and Distance Matter?" *Economic Development Quarterly*, Vol. 20, 1 (2006): 1-22.

H. Goldstein, S. Bollens, E. Feser, and C. Silver, "An Experiment in the Internationalization of Planning Education: The NEURUS Program", *Journal of Planning Education and Research*, Vol. 25, 4 (2006): 349-363.

H. Goldstein, "The Role of Knowledge Infrastructure in Regional Economic Development: The Emergence of the Research Triangle", *Canadian Journal of Regional Science*, Vol. XXVIII: 2 (2005): 199-220.

S. Sweeney and H. Goldstein, "Accounting for Migration in Regional Occupational Employment Projections," *The Annals of Regional Science*, Vol. 39, 2 (2005): 297-316.

H. Goldstein and C. Renault, "A Quasi-Experimental Design Approach for Estimating the Contribution of Universities to Regional Economic Development," *Regional Studies* Vol. 38, 7

(2004): 733-746.

H. Goldstein and M. Luger, "Research Parks in Rural Economic Development Strategies: Do They Have a Role?" *Rural Development Perspectives*, Vol 9, 2 (1994): 14-20.

H. Goldstein and M. Luger, "University-Based Research Parks as a Rural Development Strategy", *Policy Studies Journal*, Vol. 20, 2 (1992): 249-263.

H. Goldstein, "A Practitioner's Guide to State and Substate Industry Employment Projections," *Economic Development Quarterly*, Vol. 4, 3 (1990): 260-275.

H. Goldstein, "Regional Policies, the State and the Pattern of Regional Economic Development: The Case of the Postwar United States," *Revue d'Economie Regionale et Urbaine*, 1990, No. 5: 655-679.

H. Goldstein, "Estimating the Regional Economic Impact of Universities: An Application of Input-Output Analysis," *Planning for Higher Education*, Volume 18, 1 (1989): 51-63.

H. Goldstein and M. Luger, "The Potential of Science/Research Parks for Stimulating Regional Economic Development", *Economic Development Commentary*, Volume 13, 1 (1989): 3-9.

H. Goldstein and M. Luger, "Science/Technology Parks and Regional Economic Development Theory", *Economic Development Quarterly*, Vol. 4, 1 (1989): 64-78.

M. Luger and H. Goldstein, "Federal Labor Protection and the Privatization of Public Transit", *Journal of Policy Analysis and Management*, February, 1989.

H. Goldstein and A. Cruze, "An Evaluation of Statewide Industry and Occupational Employment Projections", *Monthly Labor Review*, Vol 110, 10 (1987): 29-38.

H. Goldstein, "Regional Business Cycles and the Changing International Division of Labor," *Review of Regional Studies*, Vol. 16 (1986): 31-43.

H. Goldstein and E. Bergman, "Institutional Arrangements for State and Local Industrial Policy", *Journal of the American Planning Association*, Vol. 52, 3 (1986): 265-276.

H. Goldstein, "The State and Local Industrial Policy Question," *Journal of the American Planning Association*, Vol. 52, 3 (1986): 262-264.

H. Goldstein, "Planning as Argumentation," *Environment and Planning B*, Vol. 11 (1984): 297-312.

E. Bergman and H. Goldstein, "Dynamics and Structural Change in Metropolitan Economies", *Journal of the American Planning Association* (1983): 263-279.

B. Chapters in Books (refereed)

H. Goldstein and A. Rehbogen, "University Engagement and Knowledge Commercialization: an

Analysis of Faculty Attitudes,” in T. Baycan (ed.), *Knowledge Commercialization and Valorization in Regional Economic Development*. Cheltenham, UK: Edward Elgar, 2013.

K. Glaser and H. Goldstein, “Universities in Governance Roles: The Case of Utrecht and the Governance of a Knowledge-Region.” J.W. Bjorkman, et al. (eds.), *Public Leadership and Citizen Value. The Winelands Papers 2010*, Eleven International Publishing, The Hague, Netherlands, 2011.

E. Bergman and H. Goldstein, “How Similar Are EU and U.S. Views of Academic Entrepreneurship? Further Explorations,” in I. Johansson (ed.), *The Geography of Innovation and Entrepreneurship*. 12th Uddevalla Symposium Proceedings. University West, Sweden, 2009.

H. Goldstein, “What We Know and What We Don’t Know About the Economic Development Impacts of Universities,” in A. Varga, ed., *Universities, Knowledge Transfer, and Regional Development*. Cheltenham, UK: Edward Elgar, 2009.

H. Goldstein, “Theory and Practice of Technology-Based Economic Development,” in J.E. Rowe, ed., *Theories of Local Economic Development*. Williston, VT: Ashgate Publishers, 2008.

H. Goldstein and C. Renault, “Estimating Universities’ Contributions to Regional Economic Development: The Case of the U.S. In G. Maier (ed.), *Spillovers and Innovations: City, Environment and the Economy*. Vienna, Austria: Springer-Verlag, 2004.

H. Goldstein, “Universities as Growth Engines for Regional Development: The Case of the Research Triangle of North Carolina,” in A. Varga and L. Szerb (eds.), *Innovation, Entrepreneurship, and Regions and Economic Development*, Pecs, Hungary: University of Pecs Press, 2002.

M. Luger and H. Goldstein, “What is the Role of Public Universities in Regional Economic Development?” in R.D. Bingham and R. Mier (eds.), *Dilemmas of Urban Economic Development*. Thousand Oaks, CA: Sage Publications, 1997.

H. Goldstein and M. Luger, "The Economic and Business Development Impacts of Universities" in M.W. Peterson, D. Dill, and L. Mets, eds., *Planning and Management for a Changing Environment*, Jossey-Bass, Inc., 1997.

H. Goldstein, G. Maier, and M. Luger, "The University as an Instrument for Economic and Business Development: U.S. and European Comparisons", in D. Dill and B. Sporn, eds., *Emerging Patterns of Social Demand and University Reform: Through a Glass Darkly*, Pergamon Press, 1995.

H. Goldstein and M. Luger, "Theory and Practice in High-Tech Economic Development" in Bingham, Hill, and Mier, eds., *Theories of Local Economic Development*, Sage Publications, 1993, pp. 147-171.

H. Goldstein, "Science and Technology Parks and the Restructuring of Urban Space" in H. Helms (ed.), *Die Stadt als Kapitalistischer Gegend*. Leipzig, Germany: Reclam, 1991 (with Michael Luger).

H. Goldstein, "Growth Centers vs. Indigenous Development Strategies: The Case of Research

Parks," in F. Todtling, G. Maier, and E. Bergman, eds., *Regions Reconsidered: Economic Networks, Innovation, and Local Development in Industrialized Nations*. London: Mansell Publishers, 1991.

H. Goldstein, "Science and Research Parks as Regional Development Policy in the United States" in *Regional Innovation and Decentralization of Technology Policy*, Ulrich Hilpert, editor, London: Routledge, Chapman and Hall Ltd. Publishers, 1991, pp. 147-168.

M. Luger and H. Goldstein, "Research Parks as Public Investments: A Critical Assessment". In R. Bingham, E. Hill, and S. White, eds., *Financing Economic Development*. Beverly Hills, CA: Sage Publishing Co., 1990, pp. 142-159.

E. Bergman and H. Goldstein, "Urban Innovation and Technological Advance: An American Example". In P. Nijkamp (ed), *Sustainability of Urban Systems: A Cross National Evolutionary Analysis of Urban Innovations*. London: Gower, 1990, pp. 87-109.

H. Goldstein and M. Luger, "Determinants of Transit System Contracting in the U.S." In G. Guess, editor, *Public Policy and Transit System Management*. Westport, CT: Greenwood Press, 1990, pp. 227-246.

E. Bergman and H. Goldstein, "Advocates, Institutional Arrangements, and Industrial Policy?" in Harvey Goldstein (ed.), *The State and Local Industrial Policy Question*. Chicago, IL: APA Planners Press, 1987, pp. 114-130.

H. Goldstein, "Why State and Local Industrial Policy?: An Introduction to the Debate" in Harvey Goldstein (ed.), *The State and Local Industrial Policy Question*. Chicago, IL: APA Planners Press, 1987, pp. 1-17.

E. Bergman and H. Goldstein, "Dynamics, Structural Change, and Economic Development Paths". In Edward M. Bergman, editor, *Local Economies in Transition*. Durham, NC: Duke University Press, 1986, pp. 84-110.

H. Goldstein and E. Malizia, "Microelectronics and Economic Development in North Carolina", in Dale Whittington, ed., *High Hopes for High Tech*, University of North Carolina Press, 1986, pp. 225-255.

H. Goldstein, "The Limits of Community Economic Development" in *Planning Theory and Practice: Economic Context, Emerging Coalitions and Progressive Planning Roles*, edited by P. Clavel, J. Forester, and W. Goldsmith, Pergamon Press, 1980, pp. 140-153.

H. Goldstein, "Rationality, Social Purposes and Planning Paradigms--Do They Matter?" in Harvey Goldstein and Sara Rosenberry, eds., *The Structural Crisis of the 1970s and Beyond: The Need for a New Planning Theory*, Division of Environmental and Urban Systems, Virginia Polytechnic Institute, 1978, pp. 177-189.

H. Goldstein and T. Noyelle, "Planning and Social Practice: A Theory of Capitalist Planning in the U.S." , in 1976 Symposium on Planning Theory, *Papers in Planning 2*, Thierry Noyelle (ed.), Department of City and Regional Planning, University of Pennsylvania, 1976, pp. 59-92.

C. Books

M. Luger and H. Goldstein, *Technology in the Garden*. Chapel Hill, NC: University of North Carolina Press, 1991. (242 pp.)

H. Goldstein (ed.) *The State and Local Industrial Policy Question* (ed.). Chicago, IL: APA Planners Press, 1987. (195 pp.)

H. Goldstein and S. Rosenberry (eds.), *The Structural Crisis of the 1970s and Beyond: The Need for a New Planning Theory*. Division of Environmental and Urban Systems, Virginia Polytechnic Institute, 1978. (227 pp.)

D. Monographs

Regional Technology Assets and Opportunities: The Geographic Clustering of High-Tech Industry, Science and Innovation in Appalachia (with E. Feser, H. Renski, and C. Renault). Prepared for the Appalachian Regional Commission. Office of Economic Development, University of North Carolina at Chapel Hill, August 2002. (132 pp.).

Demo-Economic Specifications for State Industry Employment Projections (with S. Sweeney). Washington, DC: U.S. Department of Labor, Employment and Training Administration, ALMIS Long-Term Projections and Census Tools Consortium, January 2000. (49 pp.).

Projecting Industry and Occupational Employment for States and Substate Areas. Washington, D.C.: National Occupational Information Coordinating Committee, August 2000 (150 pp.), Fifth edition.

Integrating the Effects of Migration into Occupational Employment Projections (with S. Sweeney). Washington, DC: U.S. Department of Labor, Employment and Training Administration, ALMIS Long-Term Projections and Census Tools Consortium. January 1998. (61 pp.).

The Effect of Migration on State Occupational Employment (with S. Sweeney). Washington, DC: U.S. Department of Labor, Employment and Training Administration, ALMIS Long-Term Projections and Census Tools Consortium. May 1996 (68 pp.).

Methods and Models for Projecting State and Area Industry Employment (With E. Bergman). NOICC Technical Monograph. Washington, D.C.: National Occupational Information Coordinating Committee, August 1983. (101 pp.)

Occupational Employment Projections for Labor Market Areas: An Analysis of Alternative Approaches. U.S. Department of Labor, Employment and Training Administration, Office of Research and Development, R&D Monograph 80, 1981. (51 pp.)

E. Invited Articles or Chapters in Books

"Research and Science Parks--Are They More Than Fields of Dreams," *Proceedings of the Second*

World Conference of Research and Science Parks, 1992.

"Universities and Regional Economic Development," *News and Views*, American Planning Association Economic Development Division Newsletter, October 1990.

"Community Impacts of New Industrial Development," *Carolina Planning*, Vol. 12, No. 2, winter 1985, pp. 29-39.

"North Carolina's Economy--Diversification Slowed by the Recession", (with E. Bergman). *Economic Review*, February 1983, Federal Reserve Bank of Atlanta, pp. 68-74.

"At the Interface of Planning Theory and Political Economy: What Needs to Be Done?" in *Planning Comment*, Vol. 13, Nos. 1 and 2, 1978, pp. 195-203.

"Some Problems In and Approaches Toward Handling Missing Data in Longitudinal Files," *American Statistical Association, Proceedings of the Social Statistics Section*, 1975, pp. 434-436.

"Towards a Critical Theory of Planning," in 1975 Symposium on Planning Theory, *Papers in Planning I*, R. Wilson and T. Noyelle (eds), Department of City and Regional Planning, University of Pennsylvania, 1975, pp. 24-39.

"Residential Amenities and PLUM: An Empirical Analysis, in Stephen D. Putnum, et al., *The Interrelationships of Transportation Development and Land Development*, prepared for the U.S. Department of Transportation, Federal Highway Administration, Office of Highway Planning, Urban Planning Division, June 1973. (32 pp.)

F. Book Reviews and Review Articles

Review of D. Paris and J. Reynolds, *The Logic of Policy Inquiry*, in *Journal of the American Planning Association*, Winter 1984. (2 pp.)

Review of L. Thurow, *The Zero-Sum Society*, P. Blumberg, *Inequality in an Age of Decline*, and L. Hamrin, *Managing Growth in the 1980's*, in *Journal of the American Planning Association*, April 1981. (3 pp.)

Review of P. Mieszkowski and M. Straszheim (eds.), *Current Issues in Urban Economics*, in *Journal of the American Planning Association*, January 1979. (2 pp.)

Review of S. Perry, *Building A Model Black Community: The Roxbury Action Program*, in *Journal of the American Planning Association*, April 1979. (2 pp.)

Review article, "Three Evaluation Studies of Community Development Corporations," in *Journal of the American Institute of Planners*, July, 1978. (3 pp.)

G. Other Publications

"Local Planning and the National Development Investment Act", invited written testimony to the

U.S. House Subcommittee on Economic Stabilization, Hearings on H.R. 10, April 11, 1983, U.S. House of Representatives, Washington, D.C. (10 pp.)

A Report on the University of Pennsylvania/Regional Plan Association Residential Location Model (with B. Harris), Working Paper, Department of City and Regional Planning, University of Pennsylvania, 1975. (48 pp.)

"Some Problems In and Approaches Toward Editing and Maintaining Longitudinal Data Files," (with S. Gale), Research on Metropolitan Change and Conflict Resolution, Technical Paper, No. 5, Peace Science Department, University of Pennsylvania, 1975. (14 pp.).

H. Professional Reports

Regional Vision Plans Integration and Implementation, Phase II. Final report to the North Carolina Department of Commerce, July 2008. Principal author.

Regional Vision Plans Integration and Implementation, Phase I. Final report to the North Carolina Department of Commerce, July 2007. Principal author.

Technology Clusters and R&D Assets in Appalachia (co-author). Final report to the Appalachian Regional Commission, August 2001. (146 pp.).

Migration and the State Occupational Employment Projections Process (with S. Sweeney). Report prepared for the ALMIS Long-Term Projections Consortium, U.S. Department of Labor, Employment and Training Administration, May 2001. (67 pp.).

Evaluation of States' Industry Employment Projections to 1995. Report prepared for the Employment and Training Administration, U.S. Department of Labor, ALMIS Long-Term Projections and Census Tools Consortium. June 1998. (20 pp.).

Projections Utilization Study (with K. Becker). Report prepared for the ALMIS Long-Term projections Consortium, Employment and Training Administration, U.S. Department of Labor. May 1996. 41pp.

The Continuing Education Functions of Historically Black Colleges and Universities -- Economic Environment Report (co-author). Prepared for Research and Evaluation Associates as a report to the U.S. Department of Education, Contract No. RR94001001.

Jamaican Labor Force Assessment (co-author). Report to the US AID Mission, Kingston, Jamaica. June 1994. 111 pp.

Development of a Medium- and Long-Term Employment Forecasting System. Report to Ministry of Labor, Republic of Hungary, and to U.S. Bureau of Labor Statistics. November 1992. 32 pp.

The University of North Carolina at Chapel Hill and the State's Economy. Bicentennial Report. University of North Carolina, April 1992 (with M.Luger).

"Assessing Economic Impacts," in G. McMahon and E.J. Kaiser (eds.) Fort Bragg/Pope Air Force Base Military-Civilian Joint Compatible Land Use Study: A Case Study, University of North Carolina, Center for Urban and Regional Studies, January 1992.

Technology in the Garden: Research Parks and Regional Economic Development. Final Report submitted to the Ford Foundation, October 1989 (joint with M. Luger).

Federal Labor Protection Provisions and the Contracting of Transit Services. Final Report submitted to the Urban Mass Transportation Administration. July 1989 (152 pp). Principal author.

Federal Labor Protection Provisions and the Contracting of Transit Services. Phase I report submitted to the Urban Mass Transportation Administration, December 1986 (44 pp.).

Evaluation of Industry and Occupational Employment Projections Made by State Employment Security Agencies (Principal author). Final report submitted to the U.S. Bureau of Labor Statistics, September 1985. (286 pp.)

"The Impact of the University of North Carolina Sponsored Research Activities the Economy of the State of North Carolina". Submitted to the University of North Carolina-CH Self-Study Committee, September 1984.

The Incidence and Impacts of Industrial Development in North Carolina's Communities. Final Report submitted to the North Carolina Board of Science and Technology and Department of Natural Resources and Community Development, 1984 (with R. Winders). (130 pp.)

Specification and Testing of Analytic Techniques for Projecting State and Area Industry Employment, Final Report submitted to the Office of Research and Development, Employment and Training Administration, U.S. Department of Labor (with N. Paulson and E. Bergman), August 1983. (212 pp.)

Rental Housing in the City of New York, co-author (with Peter Marcuse [senior author] and Moon Wha Lee), City of New York, Department of Housing Preservation and Development, Feb. 1979. (350 pp.)

An Integrated Revenue Forecasting Model for the Division of Motor Vehicles (principal author). Final Report on Continued Work on Revenue Models Project. Submitted to the Division of Motor Vehicles, Commonwealth of Virginia, Richmond, Virginia, August 1978 (178 pp.).

Curriculum Module on Cost Benefit and Cost Effectiveness Analysis, for the Urban Management Curriculum Development Project, National Training and Development Service under contract to the U.S. Department of Housing and Urban Development, July 1977 (65 pp.).

I. Dissertation

"Interrelationships Between the Structure of Metropolitan Labor and Housing Markets", unpublished Ph.D. dissertation, University of Pennsylvania, 1977 (302 pp.).

Papers Presented at Professional and Scientific Meetings

“Regional Engagement or Knowledge Commercialization? A Comparison of University Faculty Norms in the U.S. and Europe.” Paper presented at the Annual Meetings of the Western Regional Science Association, Santa Barbara, CA, February 24-27, 2013.

“A Case for the Regional Engagement Role of the Research University.” Paper presented at the Seminar on Enterprise and the Third Mission, University of Manchester, Manchester UK, March 21, 2012.

“Comments on the Socio-Economic Development Strategy of the City of Moscow to the Year 2025,” National Research University Higher School of Economics (HSE), December 10, 2011

“Planning as a Diffuse Discipline and the State of Planning Scholarship.” Paper presented at the 52nd Annual ACSP Conference, Salt Lake City, Utah, October 13-16, 2011.

Comparing U.S. and EU Faculty Views of Knowledge Commercialization and Engagement.” Paper presented at the 51st European Congress of the Regional Science Association International, Barcelona, Spain, August 30-September 3, 2011.

“The Use and Valuation of Journals in Planning Scholarship: Peer Assessment Versus Impact Factors.” Paper presented at the World Planning Schools Congress, Perth, Australia, July 4-8, 2011.

“Comparing U.S. and EU Views of University Involvement in Economic Development.” Paper presented at the 57th Annual North American Meetings of the Regional Science Association International, Denver, CO, November 10-13, 2010.

“Research Universities as Actors in the Governance of Local and Regional Development: A Comparison of Two Cases. Paper presented at the Winelands Conference on Public Leadership and Citizen Value, Stellenbosch, South Africa, March 2010 (with K.Glaser).

“Comparing U.S. and European Views of Academic Entrepreneurship: Individual, Disciplinary, Institutional and Regional Factors.” Paper presented at the 56th Annual North American Meetings of the Regional Science Association International, San Francisco, CA, November 18-21, 2009 (with E. Bergman and G. Maier)

“Journal Valuation in Academic Planning: Peer Evaluation Versus Impact Factors.” Paper presented at the Association of Collegiate Schools of Planning, 50th Annual Meetings, Crystal City, Virginia, October 2009 (with G. Maier).

“How Similar are EU and U.S. Views of Academic Entrepreneurship? A Preliminary Exploration”. Paper presented at the 12th Annual Uddevalla Symposium, Bari, Italy, June 2009 (with E. Bergman).

“Do Regional Economic Conditions Affect Attitudes Towards University Commercialization?” Paper presented at the Symposium on Knowledge Spillover Agents and Geographical Space, Vienna

University of Economics and Business Administration, June 2009.

“The Role of Universities in the Governance of Local and Regional Economic Development.” Paper presented at the Workshop on the Larger Role of Universities in Economic Development, Chapel Hill, North Carolina, April 2009.

“Transitioning to the New Economy: Individual, Regional, and Institutional Factors in Successful Job Training Outcomes.” Paper presented at the Western Regional Science Association, Napa Valley, California, February 2009.

“The ‘Entrepreneurial Turn’ of Research Universities and Their Economic Development Missions: A Normative Perspective”. Paper presented at the 10th Annual Uddevalla Symposium, Uddevalla, Sweden, June 14-16, 2007 and the Western Regional Science Association Annual Meetings, February 2008, Kona, Hawaii.

“Faculty Attitudes About Academic Entrepreneurship and the Regional Development Missions of U.S. Universities”. Paper presented at the American Association of Geographers Annual Conference, San Francisco, CA. April 17-20, 2007.

“What We Know and Do Not Know About the Regional Economic Development Impacts of Universities on Regions”. Lecture given at the Second Annual Fulbright Summer Institute on Regional Development, Vienna, Austria, July 2005.

“The Regional Economic Impacts of Universities and Knowledge Spillovers”. Paper presented at the Regional Science Association International North American Meetings, Seattle, WA, November 11-13 2004.

“How, and How Much, Do Universities Stimulate Regional Economic Development?” Lecture given at the Fulbright Summer Institute on Regional Economic Development, Chapel Hill, NC, June 2004.

“The Contribution of Universities to Regional Economic Development: A Quasi-Experimental Design Approach.” Paper presented at the 42nd Annual Meeting of the Western Regional Science Association, Rio Rico, AZ, February 26-March 2, 2003.

“Estimating Universities’ Contribution to Regional Economic Development.” Paper presented at the Workshop on Spillovers and Innovation: City, Environment and the Economy, Reichenau, Austria, May 30 B June 2, 2002..

“The Relationship Between Knowledge Production and Regional Economic Development: An Assessment of Alternative Methodological Approaches” (with Catherine Renault). Paper presented at the Regional Science Association International, North American Meetings, Charleston, SC, November 15-17, 2001.

“Lessons Learned from University Student Exchange Programs.” Paper presented at the Association of Collegiate Schools of Planning Annual Conference, Atlanta, GA, November 1-4, 2000.

“Knowledge for What? Universities for Whom?” Paper presented at the Fulbright Seminar in American Studies, Altenmarkt, Austria, April 27-30, 2000.

“The Effects of Regional Out-Migration on Job Openings by Occupation”, paper presented at the 38th European Regional Science Association Congress, August 28-September 1, 1998, Vienna, Austria.

“The Pattern and Types of Scholarly Contributions to Planning, 1960-1996”, paper presented at the 1997 Annual meeting of the Association of Collegiate Schools of Planning, Ft. Lauderdale, FL, November 6-9, 1997.

"Contingent Choice of Alternative Forecasting Methods: Knowledge, Data, and Environmental Considerations", paper presented at the Workshop on Employment Projections in Poland, Warsaw, Poland, June 19-21, 1996.

"The University as an Instrument for Economic and Business Development: Human Capital, Technology Transfer, and Regional Development Approaches", paper presented to the Symposium on University and Society: International Perspectives on Public Policies and Institutional Reform, Vienna, Austria, June 9-10, 1994.

"Assessing Disciplinary Progress in Planning," paper presented at the 35th Annual Meeting of the Association of Collegiate Schools of Planning, Philadelphia, PA, October 28-31, 1993.

"Research and Science Parks--Are They More Than Fields of Dreams," paper presented at the Second World Conference of Research and Science Parks, Montreal, Canada, June 16-18, 1993.

"High-Tech Regions and Entrepreneurial Vitality: How Does the Research Triangle Region Stack Up?", paper presented to the Council for Entrepreneurial Development, Durham, NC, March 16, 1993.

"Universities as Instruments of Technology-Based Economic Development Policy: The Case of Patent and Licensing Assistance", paper presented at the 38th North American Meeting of the Regional Science Association International, New Orleans, November 7-10, 1991.

"Universities, the Urban Milieu and Technology Development," paper presented at the Joint ACSP-AESOP Conference, Oxford, England, July 7-12, 1991.

"Regional Economic Impact Models in the Land Use Planning Process", talk given at the North Carolina chapter of the American Planning Association annual meetings, Chapel Hill, April 25-26, 1991.

"Universities as Instruments of Technology-Based Economic Development Policy," paper presented at the 1990 Research Conference of the Association for Public Policy Analysis and Management, San Francisco, CA, October 17-20, 1990.

"Research Parks as Public Investments: A Critical Assessment", paper presented at the Association of Collegiate Schools of Planning Annual Conference, Portland, OR, October 5-8, 1989.

"Universities as the New Development Poles in the United States." Paper presented at the Vienna University of Economics, Colloquium on Economic Restructuring and Local Development, Vienna, Austria, June 21, 1989.

"Economic Restructuring, State Technology Policies, and Uneven Growth in the United States," paper presented at the University of Constance, Department of Political Science, Seminar on the Theory of the State, Constance, West Germany, June 29, 1989, and at the Free University of Berlin, Department of Political Science, July 3, 1989.

"Growth Center vs. Endogenous Development Strategies: The Case of Research Parks". Paper presented at ECPR Workshop on Technology Transfer and Techno-Industrial Innovation, Villa Vigoni, Como, Italy, June 12-14, 1989, and at the Vienna University of Economics, Seminar on Technological Innovation and Local Development, Vienna, Austria, June 9-11, 1989.

"Science/Research Parks as Instruments of Technology-Based Regional Policy". Paper presented at the 1988 Harburg Forum, Urban Areas and New Technologies, Hamburg, West Germany, September 19-21, 1988, and at the 10th Annual APPAM Research Conference, Seattle, October 27-29, 1988.

"Do State Technology Policies Increase or Decrease Regional Inequality?" Paper presented at the 1988 German Political Science Association Meetings, Darmstadt West Germany, September 16-18.

"State Technology Policy and Regional Inequality." Paper presented at the German-American Symposium, Institute for Contemporary German Studies, Washington, DC, September 1-6, 1988.

"Science/Technology Parks and Local Economic Development." Paper presented at the European Consortium for Political Research Joint Workshops, Bologna, Italy, April 5-10, 1988.

"Universities as Instruments of Technology-Based Economic Development Policy," paper presented at the 1990 Research Conference of the Association for Public Policy Analysis and Management, San Francisco, October 17-20, 1990 and at the 13th Annual Applied Geography Conference, Charlotte, NC, October 24-27, 1990.

"Does R&D Activity Generate Regional Economic Development?: The Case of North Carolina." Paper presented at the American Planning Association National Conference, San Antonio, TX, April 30-May 4, 1988.

"Privatization of Public Services and Federal Regulations: The Case of Urban Transit and Section 13(c)" (with Michael Luger) Paper presented at the 9th annual APPAM Research Conference, Washington, D.C., October 29-31, 1987.

"The Regional Development Impacts of Research and Technology Parks" (with Michael Luger) Paper presented at the 34th North American Regional Science Association Meetings, Baltimore, MD, November 5-8, 1987.

"Spatial-Cyclical Dynamics in Metropolitan Economic Restructuring: The Case of the Southeastern U.S." Paper presented at the Vienna University of Economics Colloquium on Regional Economic

Restructuring, Vienna, Austria, May 1987.

"Science/Research Parks and Local Economic Development," paper presented at the Technical University of Hamburg/Harburg, Federal Republic of Germany, May 1987.

"Issues in the Design and Evaluation of State Economic Development Policy," paper presented at the 8th annual APPAM Research Conference, Oct. 30-Nov. 1, 1986, Austin, TX.

"Evaluation of Statewide Industry and Occupational Employment Projections" (with Alvin M. Cruze). Paper presented at the 25th annual meeting of the Southern Regional Science Association, New Orleans, LA, March 6-9, 1986.

"Recession and Recovery in Southeastern Metropolitan Economies" (with Xin-Ming Mu). Paper presented at the 25th annual meetings of the Southern Regional Science Association, New Orleans, LA, March 6-9, 1986.

"Improving the Acceptance and Usefulness of Industry and Occupational Employment Projections," paper presented at the Occupational Information System Technical Conference, January 29-30, 1986, Kansas City, Missouri.

"Alternative Techniques for Projecting Industry Employment," presented at the U.S. Bureau of Labor Statistics, International Labor Statistics Program Seminar on Manpower Projections and Analysis for Planning and Development, October 30, 1985.

"Evaluating OES Projections: Some Issues and Lessons," paper presented at the U.S. Bureau of Labor Statistics Regional Occupational Employment Statistics Conference, Atlanta, GA, Feb. 14-15, 1985 (15 pp.)

"The Regional Business Cycle and the Changing International Division of Labor," paper presented at the 31st North American Regional Science Association Meetings, Denver, CO, November 9-11, 1984.

"Regional Employment Cycles in the U.S. and the Changing International Division of Labor," paper presented at the UNIDO Symposium on Regional Development Processes/Policies and the Changing International Division of Labour, Vienna, Austria, August 20-24, 1984.

"Planning As Argumentation," paper presented at the 30th North American Regional Science Meetings, Chicago, Illinois, Nov. 11- 13, 1983.

"Corporatist Planning Models: Local Varieties, Emergence, Implications" paper presented at the 25th Annual ACSP Conference, San Francisco, CA. Oct. 21-23, 1983.

Invited testimony before U.S. House Subcommittee on Economic Stabilization on HR10, Washington, D.C., April 11, 1983.

"The Dynamics of Change in the Structure of U.S. Metropolitan Economies", paper presented at the Annual Meeting of the Associated Collegiate Schools of Planning, Chicago, Illinois, October 22- 24.

1982.

"The Sensitivity of Metropolitan Labor Market to National Employment Fluctuations: An Empirical Analysis," paper presented at the North American meetings of the Regional Science Association, Montreal, Canada, November 13-15, 1981.

"The Choice of Appropriate Social Technology for Planning and Policy Analysis," paper presented at 1981 meeting of Associated Collegiate Schools of Planning, Washington, D.C., October 23-25, 1981.

"Methodological Improvements for Projecting Industry Employment at the Local Level: An Overview," paper presented at the Federal Statistics Users' Conference, Seminar on Employment, Unemployment and Labor Force Statistics, Washington, D.C., October 13-14, 1981.

Planning for Community Economic Development: Some Structural and Strategic Considerations," paper presented at the Conference on Planning Theory and Practice, Cornell University, April 27-29, 1979.

"Alternative Paradigms for Planning," paper presented at the 1978 meeting of the Associated Collegiate Schools of Planning, New Orleans, LA, September 27-28, 1978.

"Some Implications of Labor Market Segmentation for Local Manpower Analysis and Planning," paper presented at Council of Urban Institutes of Urban Affairs Annual Meeting, Denver, CO, March 8-11, 1978.

"At the Interface of Planning Theory and Political Economy," paper presented at the 25th Anniversary Conference of the Department of City and Regional Planning, University of Pennsylvania, Philadelphia, Pa., April 22, 1977.

"Planning as Social Praxis," paper presented at the 1976 Symposium on Planning Theory, Department of City and Regional Planning, University of Pennsylvania, April 1976.

"Some Problems In and Approaches Toward Handling Missing Data in Longitudinal Files," paper presented at the 1976 Annual Meeting of the American Statistics Association, Social Statistics Section, Atlanta, Georgia, August 28-31, 1975.

"Towards a Critical Theory of Planning," paper presented at the 1975 Symposium in Planning Theory, Department of City and Regional Planning, University of Pennsylvania, April 1975.

Professional Memberships

Regional Science Association International
Western Regional Science Association
Association of Collegiate Schools of Planning (ACSP)

Courses Taught (Recent)

Public-Private Partnerships (MBA course)
 Program Evaluation Methods (MBA course)
 Economic Development Strategies (MBA and MSc courses)
 Masters Thesis Tutorial (MBA course)
 Masters Thesis Seminar (MSc course)
 Public Policy Analysis and Evaluation (MSc course)
 Theory of Planning (Masters course)
 Advanced Planning Theory (Doctoral course)
 Economic Development Planning Techniques (Masters course)
 Economic Development Policy (Masters course)
 Policy-Oriented Research Design (Doctoral course)
 Planning Workshop (Masters course)
 Seminar: What is a 'Good' City? (First year seminar)

Referee (Recent)

Journal of the American Planning Association, Journal of Planning Education and Research, Journal of Politics, Economic Development Quarterly, Research Policy, Regional Studies, R&D Management, Environment and Planning B, Environment and Planning C, Papers in Regional Science, Annals of Regional Science, Journal of Technology Transfer, Duke University Press, University of North Carolina Press, Routledge Press..

Significant University and Community Service

Austrian-American Educational (Fulbright) Commission, appointed member 2011 --
 MODUL University, Study and Examination Committee, 2009 -- 2012
 Austrian-American Fulbright Program, external applicant review panel member, 2009-2012
 UNC-CH Faculty Council (elected), 2003-04.
 UNC-CH Faculty Committee on Research (appointed) 2008.
 UNC-CH Faculty Committee on Financial Exigency and Program Change (elected), 2002–2006
 Director of the Ph.D. Program, Department of City and Regional Planning, UNC-CH, 1988-2002.
 Director of MRP Admissions, Department of City and Regional Planning, UNC-CH, 2004-2007.
 Director of the UNC-CH Institute for Economic Development, 1999–2008.
 Curriculum in Public Policy, Dean's Executive Faculty Committee, 1994-2002.
 North Carolina Secretary of Commerce Policy Advisory Board, 2004–2008.
 UNC-CH Office of Economic and Business Development Advisory Committee, 2005–2008.
 Board of Education, Chapel Hill-Carrboro City Schools, 1995-1999 (elected), Chair 1998-99.