

CURRICULUM VITA

Eric W. Welch

- ADDRESS** Graduate Program in Public Administration (M/C 278)
College of Urban Planning & Public Affairs
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E-mail: ewwelch@uic.edu
- EDUCATION** Ph.D., *Public Administration* (1997) Syracuse University
M.A., *International Studies* (1991) University of Oregon
M.A., *Asian Studies* (1991) University of Oregon
B.A., *History* (1985) University of Washington
- PROFESSIONAL EXPERIENCE**
- Current Position** Associate Professor, Graduate Program in Public Administration, University of Illinois at Chicago, 2005-
Director, Science, Technology and Environment Policy Lab, University of Illinois at Chicago, 2008-
- Previous Positions** Director of Graduate Studies, Graduate Program in Public Administration, University of Illinois at Chicago, 2004-2006
Assistant Professor, Graduate Program in Public Administration, University of Illinois at Chicago, 1998-2005
Faculty Scholar, Great Cities Institute, University of Illinois at Chicago, 2003-2004
Research Fellow, Science the Technology Association, National Institute of Environmental Studies, Japan, 1998-1999
Post Doctoral Fellow, Center for Technology & Information Policy, Syracuse University, 1997-1998
External Researcher, Center for Economic Studies, US Bureau of the Census, 1996-1997
Researcher, Young Scientists Summer Program, International Institute of Applied Systems Analysis, 1996
International Technology Management Consultant, Rubicon International, Portland, Oregon, 1990-1993
- Research Interests** Science and Technology Policy, Environment Policy, Public Management, Information Technology and Electronic Government, Transportation Behavior and Management

FUNDED RESEARCH

- American Resource and Recovery Act Evaluation of Energy and Environment Funding to the City of Chicago. Chicago Community Trust, 2009, PI.
- Breaking through the Reputational Ceiling: Professional Networks as a Determinant of Advancement, Mobility, and Career Outcomes for Women and Minorities in STEM (2009-2012). Grant # REESE-0910191. National Science Foundation, Co-PI, \$1.18 million.
- Access & Benefit Sharing for Genetic Resources Used in US Food and Agriculture Exports US Department of Agriculture, Foreign Agricultural Service (2009).
- Evaluating the Center for Clinical and Translational Science (2009-2014) National Institutes of Health, Senior Researcher, \$400,000.
- Assessing the Kansas NSF EPSCoR Program Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation (2009-2014), PI, \$450,000.
- Continued Collaboration among the CTA, UIC, and MIT (2009-2010). Chicago Transportation Authority, Co-PI, \$320,000.
- Patenting Behavior of Academic Scientists and Engineers: A Micro-level Analysis of the Factors that Determine the Production of University Patents (2008-2010). National Science Foundation, Grant # SES-0750613, PI, \$168,000.
- Assessing the NSF-LIFE (Learning in Informal and Formal Environments) Center: A Scientific and Technical Human Capital Evaluation Model (2010-2012), Co-PI.
- Evaluation of the Landscape, Ecological and Anthropogenic Processes, National Science Foundation Integrative Graduate Education and Research Traineeship (NSF-IGERT) (2008-2011), PI.
- Japan Society for the Promotion of Science, Short-term Fellowship, National Institute for Environmental Studies, 2008-2009, Patterns of Access, Use and Benefit Sharing for US Agribusiness: A Framework for Analysis of Seven Sectors.
- Continued Collaboration among the CTA, UIC, and MIT (2005-2009). Chicago Transportation Authority, Co-PI, \$1,500,000.
- Positioning the Institute for Policy and Civic Engagement as a Leader for Using Technology to Enhance Collaborative Governance in the Greater Chicago Region. Institute for Policy and Civic Engagement, PI, 2009, \$93,000.
- Women in Science and Engineering: Network Access, Participation, and Career Outcomes (2005-2009). Grant # REC-052964. National Science Foundation, Co-PI, \$1.23 million; supplement 2008-2009, \$160,000.
- Evaluation of the Mid-America Earthquake (MAE) NSF Engineering Research Center (2005-2008). Co-PI, \$192,000.
- From E-government to E-governance: A Study of the Impact of E-government in Hong Kong (2006-2008). Hong Kong Research Grants Council, Co-PI, \$45,000.
- Institute for Environmental Science and Policy (2004-2005) Modeling and Assessing the Effectiveness of Alternative Fuel Vehicle Fleet Replacement in Local Government: A Multidisciplinary Analysis of DuPage County Forest Preserve's Mandate, \$15,000.
- Effect of Ozone Warning Days on Public Transportation Ridership (2003-2005). Chicago Transit Authority, \$50,000.
- Linking Technology and Democracy: A Study of Government Use of the Internet to Facilitate Public Discourse (2003-2004). Great Cities Institute Faculty Scholar.
- Public Administration in the Age of Globalization: Studying the Effect of Interaction between Global Pressures and Domestic Contexts on Public Bureaucracy (2002-2004). Hong Kong Research Grants Council, Co-PI, \$40,000.
- Global Environmental Research Fund. Comparative analysis of Japanese and US Voluntary Environmental Policies (2002-2005). Ministry of the Environment, Japan, Co-PI, \$250,000.
- Global Environmental Research Fund. Feasibility Study for Comparative Environmental Policy Analysis (2001-2002). Japan Environment Agency, Co-PI, \$35,000.

- A Study of the Process of Transformation toward an Industrial Society with Minimum Environmental Burden (2000-2003). Japan Environmental Agency, Global Environmental Research Fund, Co-PI, \$35,000.
- Science & Technology Agency of Japan, Short-Term Fellow (2000), National Institute for Environmental Studies.
- Science & Technology Agency of Japan, Long-Term Fellow (1998-1999), National Institute for Environmental Studies.
- Industrial Metabolism & Long Term Environmental Policy Project (1996). National Science Foundation. Grant # INT-9302944. Young Scientists Summer Program.

BIBLIOGRAPHY

Refereed Articles

- Assessing the Educational Outcomes of NSF's Engineering Research Centers Program: The Case of the MAE Center (*in press*) *Research Evaluation* (with B. Ponomariov and J. Melkers).
- Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (*in press*) *Advances in Management Information Systems* (S. Pandey and N. Yavuz).
- Emergent Management Strategies in a Public Agency: A Case Study of Alternative Fuel Vehicles (2009) *Public Organization Review*, 9(3): 213-234 (with B. Jacob and T. Simms).
- Joint Environmental and Cost Efficiency Analysis of Electricity Generation (2009) *Ecological Economics*, 68(8-9): 2336-2343 (with D. Barnum).
- End User Acceptance of Alternative Fuel Vehicles in Du Page County, Illinois (2009) *Environmental Behavior*, 41(3): 402-426 (with K. Khovanova and K. Johns).
- The ISO 14001 Environmental Management Standard in Japan: Results from a National Survey of Facilities in Four Industries (2008) *Journal of Environmental Planning and Management*, 51(3): 421-445 (with Y. Mori).
- Individual and Neighborhood Determinants of Perceptions of Bus and Train Safety in Chicago: An Application of Hierarchical Linear Modeling (2007) *Journal of the Transportation Research Board*, 2034: 19-26 (with N. Yavuz and P.S. Sriraj).
- Intranet Technology and Red Tape: Interactive Effects of Online Information Quality, Technology Implementation and Excessive Bureaucratization (2007) *Journal of Public Administration Research and Theory*, 17(3): 379-404 (with S. Pandey).
- Economic Costs and Environmental Impacts of Alternative Fuel Vehicle Fleets in Local Government: An Interim Assessment (2007) *Transportation Research. Part D, Transport and Environment*, 12: 219-230 (with M. Haller, S. Fulla, and J. Lin)
- Certification of ISO 14001 on Small and Medium-sized Firms: Incentives and Reduction Targets (2007) *Kankyo Kagaku Kaishi* (Environmental Science Journal, in Japanese), 20(2): 87-94 (with Y. Mori).
- Linking Citizen Satisfaction with e-Government with Trust in Government (2005), *Journal of Public Administration Research and Theory*, 15(3): 371-391 (with C. Hinnant and J. Moon).
- Virtual Interactivity between Government and Citizens: The Chicago Police Department's Citizen ICAM Application Demonstration Case (2005) *Political Communication*, 22(2): 215-236. (with S. Fulla).
- The Effects of Ozone Action Day Public Advisories on Train Ridership in Chicago. (2005) *Transportation Research. Part D, Transport and Environment*, 10(6). (with G. Gu and L. Kramer).
- Beyond Stereotypes: A Multistage Model of Managerial Perceptions of Red Tape (2005), *Administration and Society* 37: 542-575 (with S. Pandey).
- Effects of Environmental Management Tools Including ISO 14001 on Emission Control in Facilities (2005) *Kankyo Kagaku Kaishi* (Environmental Science Journal, in Japanese), 18(3): 277-289 (with Y. Mori and S. Yoshida).

- Same Bed, Different Dreams?: A Comparative Analysis of Citizen and Bureaucrat Perspectives on E-government (2005), *Review of Public Personnel Administration*, 25: 243-264 (with J. Moon).
- Promises and Pitfalls of ISO 14001 for Competitiveness and Sustainability: A Comparison of Japan and the United States (2004), *Greener Management International: The Journal of Corporate Environmental Strategy and Practice*, 44: 59-73 (with A. Rana & Y. Mori).
- Does E-Government Promote Accountability? A Comparative Analysis of Website Openness and Government Accountability in Fourteen Countries (2004) *Governance*, 17(2) 275-298 (with W. Wong).
- Policy Feedback and Political Participation: Effects of the G.I. Bill for World War II Veterans over the Life Course (2004), *British Journal of Political Science*, 34: 497-518 (with S. Mettler).
- An Institutional Framework for Analysis of Voluntary Policy: The Case of Voluntary Pollution Prevention Agreements in Kita Kyushu, Japan (2003), *Journal of Environmental Planning and Management*, 46(4): 523-543. (with A. Hibiki).
- Japanese Voluntary Environmental Agreements: Bargaining Power and Reciprocity as Contributors to Effectiveness (2002), *Policy Sciences*, 35(4): 401-424 (with A. Hibiki).
- Voluntary Adoption of ISO 14001 in Japan: Mechanisms, Stages, and Effects (2002), *Business Strategy and the Environment*, 10(1): 43-62 (with Y. Mori, M. Aoyagi).
- Determinants of Farmer Behavior: Adoption of and Compliance with Best Management Practices for Non-point Source Pollution in the Skaneateles Lake Watershed (2001), *Lake & Reservoir Management*, 17(3): 233-245 (with F. Marc-Aurele).
- Global Information Technology Pressure and Government Accountability: The Mediating Effect of Domestic Context on Web Site Openness (2001), *Journal of Public Administration Research & Theory*, 11(4): 509-538 (with W. Wong).
- Effects of Global Pressures on Public Bureaucracy: Modeling a New Theoretical Framework (2001), *Administration & Society*, 32(5): 371-402 (with W. Wong).
- Managerial Adaptation through the Market in the Public Sector: Theoretical Framework and Four Models (2000), *International Review of Public Administration*, 5(2): 129-141 (with J. Moon).
- Voluntary Behavior of Electric Utilities: Contribution of the Climate Challenge Program to the Reduction of CO₂ (2000), *Journal of Policy Analysis & Management*, 19(3): 407-425 (with A. Mazur & S. Bretschneider).
- The Geography of American Environmentalism (1999), *Environmental Science & Policy*, 2: 389-396 (with A. Mazur).
- Implementation of Environmental Policy in Katowice, Poland: Is There Cause for Concern?" (1999), *The International Journal of Environmental Studies* 56: 259-284.
- Public Administration in a Global Context: Bridging the Gaps of Theory and Practice between Western and Non-Western Nations (1998), *Public Administration Review*, 58(1): 40-49 (with W. Wong).
- Accuracy of Judgmental Extrapolation of Time Series Data: Characteristics, Causes, and Remediation Strategies for Forecasting (1998), *The International Journal of Forecasting*, 14: 95-110 (with S. Bretschneider, & J. Rohrbaugh).
- Intraindustry Trade and R&D Intensities: An Empirical Exploration of the Assumptions and Relationships Using Nonparametric Statistics (1996), *The Maxwell Review*, 4(1): 71-78.

Books

- The Measurement and Evaluation of Research and Development: A Cross National Review of Performance (forthcoming with Melkers, J and G. Kingsley). Edward Elgar Publishers.

Book Chapters

- Leaping Forward: Building Resilience by Communicating Vulnerability (forthcoming) In *Planning for the Unthinkable: Building Resilience through Collaboration*, Bruce Goldstein, ed. MIT Press.
- What Drives Global E-governance: An Exploratory Study at a Macro Level (2007) In, K. Meier, G. Boyne and R. Walker, eds. *Public Service Performance, Perspectives on Measurement and Management*, Cambridge University Press (with J. Moon & W. Wong).
- Promises and Pitfalls of ISO 14001 for Competitiveness and Sustainability: A Comparison of Japan and the United States (2006) In, *Managing the Business Case for Sustainability: The Integration of Social, Environmental and Economic Performance*, S. Schaltegger, M. Wagner and W. Wehrmeyer, eds. Sheffield, UK: Greenleaf Publishing, 554-568 (with A. Rana and Y. Mori).
- ISO 14001 and the Greening of Japanese Industry (2005) In Michael T. Hatch, ed. *Environmental Policymaking: Assessing the Use of Alternative Policy Instruments*. Albany, NY: SUNY Press, pp. 71-96 (with M. Schreurs).
- State Policies to Improve Air Quality. (2002) In A.P.J. Mol and F.H. Buttel, eds. *The Environmental State Under Pressure*. Research in Social Problems and Public Policy, Vol. 10. Amsterdam: Elsevier, pp. 67-84 (with A. Mazur).
- Managerial Adaptation through the Market in the Public Sector: Theoretical Framework and Four Models (2002) In S. P. Osborne, ed. *Public Management: Critical Perspectives*, Volume III. London: Routledge, pp. 229-320.
- Contracting In: Can Government Be a Business? (1999) In H.G. Frederickson & Jocelyn Johnson, eds. *Public Management Reform & Innovation: Research, Theory and Application*. Tuscaloosa: University of Alabama Press, pp.259-279 (with S. Bretschneider).

Book Reviews

- Environmental Choices: Policy Responses to Green Demands. Rothenberg, L. S. (2003), *Public Administration Review*, 63(3):375-378.
- The Economic Dynamics of Environmental Law. Driesen, D. M. (2003), *Public Administration Review*, 63(3): 375-378.
- Toxic Sludge is Good for You. John Stauber & Sheldon Rampton (1999), *Journal of Industrial Ecology*, 3(1): 128-130.
- Greenwash: The Reality Behind Corporate Environmentalism. Jed Greer and Kenny Bruno (1999), *Journal of Industrial Ecology*, 3(1): 128-130.
- Council on Competitiveness: Industrial R&D Trends and Policy Needs in the United States (1998), *Journal of Technology Transfer*, 23(2): 75-76.

Papers in Refereed Conference Proceedings:

- Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (2007), *HICSS-40 IEEE Conference Proceedings* (with S. Pandey).
- Intranet Adoption, Use, and Information Quality in Public Organizations: Interactive Effects of Red Tape and Innovativeness (2005), *HICSS-38 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with S. Pandey).
- What Drives Global E-governance: An Exploratory Study at a Macro Level (2005), *HICSS-38 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with J. Moon & W. Wong).
- Organizational Determinants of Perceived Website Effectiveness in Public Agencies (2005), *HICSS-38 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with D. Coursey and S. Pandey).
- A Comparative Analysis of Citizen and Bureaucrat Perspectives on E-government (2004), *HICSS-37 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with J. Moon).

- Managerial Capacity and Digital Government in the States: Examining the Link between Self-Efficacy and Perceived Impacts of IT in Public Organizations (2003), *HICSS-36 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with C. Hinnant).
- Internet Use, Transparency, and Interactivity Effects on Trust in Government (2003), *HICSS-36 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with C. Hinnant).
- Framing Virtual Interactivity between Government and Citizens: A Study of Feedback Systems in the Chicago Police Department. (2002), *HICSS-35 IEEE Conference Proceedings*, Hawai'i International Conference on System Sciences (with S. Fulla).

Manuscripts under Review and Development

- Addressing Fear of Crime in Public Space: Gender Differences in Reaction to Safety Measures in Train Transit (with N. Yavuz).
- The Effects of Organization Climate and Resources on Collaborative Networks of Academic Scientists in Six Fields (with W. Huang).
- Effects of Network Size and Gender on Research Grant Awards to Scientists and Engineers: An Analysis from a National Survey of Six Fields (with J. Melkers).
- Gender differences in the Benefits of Social Capital: Access to Professional Networks for Men and Women Scientists (with J. Melkers).
- Institutions and Emerging Technologies: The Role of Research Universities in the Governance of Emerging Science & Technology (with M.K. Feeney).
- A Comparison of Network Characteristics of Foreign and Native Born Academic Scientists in STEM Fields (with K. Lal and W. Huang).
- Collaborative Research: Applying Social Network Analysis to Assess Production, Capacity and Diffusion of Knowledge in Interdisciplinary Research Centers (with E.A. Corley and J. Melkers).
- Structural and Cognitive Determinants of Entrepreneurship: The Role of Networks and Heuristics in Grant Seeking Behavior and Grant Success of Scientists in Six Fields (with M. Haller).
- Extent and Implications of "Institutional Homophily" in Scientific Collaborations – An Exploratory Study (with B. Ponomariov).
- Success of Open Space Referendums Targeting Greenways and Trails (with K. Lal).
- Exploring Multiplex Relationships in Science and Engineering Fields: A Social Network Perspective (with Y. Jha).
- Public Sector Voluntary Initiatives: The Adoption of the Environmental Management System for Biosolids by Public Waste Water Treatment Facilities in the United States (with W. Huang and E.A. Corley).
- Barriers and Motivators for the Adoption of Public Sector Environmental Management Systems (with J. Wang and E.A. Corley).

Other Publications

- Evaluation the Landscape, Ecological and Anthropogenic Processes (LEAP) Program, National Science Foundation Integrative Graduate Education and Research Traineeship (NSF-IGERT) (February 2009) Annual Report for Year 1 (with M. Haller).
- Evaluating the Alaska EPSCoR Phase III: Resilience and Vulnerability in a Rapidly Changing North: The Integration of Biological, Social and Physical Processes (August 2009) Annual Report for Year 2 (with J. Melkers).
- Evaluating the Alaska EPSCoR Phase III: Resilience and Vulnerability in a Rapidly Changing North: The Integration of Biological, Social and Physical Processes (May 2008) Annual Report for Year 1 (with J. Melkers).
- Assessing the MAE (Mid-America Earthquake) Center: An Evaluation of the Outcomes (2008) Annual Report for Year 3: October 2007 – September 2008 (with J. Melkers).

- Assessing the MAE (Mid-America Earthquake) Center: An Evaluation of the Outcomes (2007) Annual Report for Year 2: October 2006 – September 2007 (with J. Melkers).
- Assessing the MAE (Mid-America Earthquake) Center: An Evaluation of the Outcomes (2006) Annual Report for Year 1: October 2005 – September 2006 (with J. Melkers).
- Developing Assessment Models for CONACyT: A Review of International Practices in the Measurement of Research. (2004) Report to the Mexican Federal Government (CONACyT) (with J. Melkers).
- External Effectiveness of Organizations. Center for Technology & Information Policy Working Paper, No. 99-04. Syracuse University.
- State Policy Effects on Firm-level Simultaneous Environmental-Economic Efficiency, Center for Technology & Information Policy Working Paper, No. 98-01. Syracuse University (with S. Bretschneider).
- The Role of Companies in Industrial Transformation (1999) Contributor, In Pier Vellinga, ed., *Research Approaches to Support the Industrial Transformation Science Plan*. Free University, Netherlands: Institute for Environmental Studies.
- Organizations, Management, and Networks (1997) In *Industrial Transformation for Sustainable Practice: An Inventory of Research*, Sander de Bruyn, Pier Vellinga, Robejin Heintz, eds., IHDP-IT #8. Free University, Netherlands: Institute for Environmental Studies.
- Organization Level of Analysis for Industrial Transformation. (February, 1997) Working Paper IHDP-IT #5. Free University, Netherlands: Institute for Environmental Studies.

Invited Professional Papers

- From Yeasts to Beasts: non-Plant Genetic Resources for Food and Agriculture, Patterns and Determinants of Access, Use and Benefit Sharing in US Agribusiness. Presented:
- Nagoya University, Japan, May 14, 2009.
 - National Institute for Environmental Studies, Japan, May 22, 2009
- Science and Technology Program Evaluation. National Research Council National Academy of Sciences, June 27, 2007
- Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (2008), *HICSS-41 Conference* (with S. Pandey).
- What every MPA should know about IT and E-Government, National Association of School of Public Affairs and Administration, 2003.
- Internet Use, Transparency, and Interactivity Effects on Trust in Government. Korean Association of Public Administration, 2002 Conference. Seoul, Korea.
- Voluntary Environmental Policies: Prospects for the Reduction of CO₂. National Renewable Energy Laboratories, Invited Seminar, Washington, DC. February, 2002.
- Integrating IT Management in the MPA Curriculum in Small Public Administration Departments. National Association of Schools of Public Affairs and Administration. Washington, D. C. October, 2001.
- Environmental Self-regulation of Firms: Theoretical and Empirical Research to Date. Japan National Institute for Environmental Studies. Invited Seminar. July, 1999.
- Organizational Analysis for Environmental Policy and Management. Japan National Institute for Environmental Studies. Invited Seminar. Tsukuba, Japan. November, 1998.

Conference Presentations

- Understanding the Impacts of Delays on Blue Line Customers, Transport Chicago Conference, June 2009 (with M. Bernal and P.S. Sriraj).
- Exploring Multiplex Relationships in Science and Engineering Fields: A Social Network Perspective, Midwest Political Science Association Conference, April 2009 (with Y. Jha).
- Leaping Forward: Building Resilience by Communicating Vulnerability, Planning the Unthinkable: Building Resilience through Collaboration (with C. Hoch and M. Zellner). Presented:

- Symposium on Resilience Planning, November 2008.
 - Annual Meeting of the Urban Affairs Association March 2009.
- Public Sector Voluntary Initiatives: The Adoption of the Environmental Management System for Biosolids by Public Waste Water Treatment Facilities in the United States, Midwest Political Science Association Conference, April 2009 (with W. Huang and E.A. Corley).
- Barriers and Motivators for the Adoption of Public Sector Environmental Management Systems, Western Social Science Association Conference, April 2009 (with J. Wang and E.A. Corley).
- Effects of Network Size and Gender on Research Grant Awards to Scientists and Engineers: An Analysis from a National Survey of Six Fields, PRIME Conference Presentation, Mexico City, September 2008 (with J. Melkers).
- Extent and implications of “institutional homophily” in scientific collaborations – an exploratory study, Association of Public Policy and Management Annual Conference, November 2008 (with B. Ponomariov).
- Institutions and Emerging Technologies: The Role of Research Universities in the Governance of Emerging Science & Technology, Gordon Research Conference on Science and Technology Policy, Big Sky, MT, July 2008 (with M.K. Feeney).
- Effects of Network Participation and Access on Career Outcomes for Women Scientists: A National Social Network Analysis, American Academy for the Advancement of Science, February 2008. (with J. Melkers).
- Technical, Extensive and Intensive Dimensions of E-Government Performance: A National Study of Health and Human Services Agencies, Association of Public Policy and Management Annual Conference 2007 (with S. Pandey and W. Wong).
- Gender Differences in Reaction to Transit Safety Measures and Service Attributes: An Analysis of Passengers’ Perceived Train Safety in Chicago, Association of Public Policy and Management Annual Conference 2007 (with N. Yavuz).
- Effects of Network Participation and Access on Career Outcomes for Women Scientists: A National Social Network Analysis, Association of Public Policy and Management Annual Conference 2007 (with J. Melkers).
- Effects of Network Participation and Access on Career Outcomes for Women Scientists: A National Social Network Analysis, Public Management Research Conference 2007 (with J. Melkers).
- The Evolution of Scientist’s Collaboration Networks: Differences in Gender, Rank and, Field, Science and Technology Research Conference, Atlanta 2007 (B. Jacob and B. Ponomariov).
- Social and Human Capital Determinants of Academic Entrepreneurship in Science and Engineering Fields, Science and Technology Research Conference, Atlanta 2007 (with M. Haller).
- R&D Assessment: Global Trends in Metrics and Measures, Atlanta Conference on Science and Technology. September, 2006 (with J. Melkers, G. Kingsley, and B. Ponomariov).
- Determinants of E-governance and Organizational Performance: A Study of Health and Human Services Agencies in the United States, University of Hong Kong, December 7-12, 2006 (with W. Wong and S. Pandey).
- Individual and Neighborhood Determinants of Perceptions of Bus and Train Safety in Chicago: An Application of Hierarchical Linear Modeling (2007), Transportation Research Board Conference Proceedings (with N. Yavuz and P. S. Sriraj).
- Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (2007), HICSS-39 IEEE Conference (with S. Pandey).
- Effects of Network Participation and Access on Career Outcomes for Women Scientists: A National Social Network Analysis, APPAM National Conference, November 2006 (with J. Melkers).
- Network Entrepreneurialism in Science and Engineering Fields: Antecedents, Structure and Research Outcomes, APPAM National Conference, November 2006 (with M. Haller).

Application of Social Network Analysis to Assess Production, Capacity and Diffusion of Knowledge of Interdisciplinary Research Centers, Technology Transfer Society Conference, October 2006 (with E. Corley and J. Melkers)

End-User Adoption of Alternative Fuels in Local Government: Interim Evaluation of Factors Affecting Driver Fuel Choice, Metropolitan Conference on Public Transportation Research, June 2006 (with Kimberly Johns and Kseniya Khovanova).

Environmental Impact and Cost Effectiveness of Alternative Fuel Vehicle Fleet Conversion in DuPage County, Metropolitan Conference on Public Transportation Research, June 2006 (with Megan Haller and Shelley Fulla).

R&D Assessment: Global Trends in Metrics and Measures, The Atlanta Conference on Science and Technology Policy, May 2006 (with J. Melkers, G. Kingsley, and B. Ponomariov).

Doing Good? Comparing Public and Non-Profit Administrators' Contributions to 'Non-Work' Public Value, APPAM National Conference, November 2005 (with M. Haller and J. Melkers).

Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies, ASPA National Conference, 2005 (with S. Pandey).

Voluntary Mobile Emission Reduction Programs Effects on Urban Transportation: Panel Data Analysis of Ozone Action Days on Ridership of Chicago Transit Authority Trains. Transportation Research Board, January, 2005.

Intranet Adoption, Use, and Information Quality in Public Organizations: Interactive Effects of Red Tape and Innovativeness, Hawaii International Conference on System Sciences, January, 2005.

What Drives Global E-governance: An Exploratory Study at a Macro Level, Hawaii International Conference on System Sciences, January, 2005.

Organizational Determinants of Perceived Website Effectiveness in Public Agencies, Hawaii International Conference on System Sciences, January, 2005.

Measurement of Global E-governance: A Validity and Reliability Investigation, Association of Public Policy and Management, November, 2004.

(Non) Voluntarism in the Electricity Production, European Association for Environmental and Resource Economics Conference, Budapest, July, 2004.

Understanding Global E-government: Measures and Determining Factors, City Futures Conference, Chicago, July 2004.

Comparative Assessment of Transportation Related Voluntary Ground Level Ozone Reduction Policies in Urban Non-Attainment Areas, Transport Chicago, June 2004.

A Comparative Analysis of Citizen and Bureaucrat Perspectives on E-Government, Hawaii International Conference on System Sciences, 2004.

Organizational Determinants of Perceived Website Effectiveness in Public Agencies, American Society of Public Administration, Portland, 2004.

Intranet Adoption, Use, and Information Quality in Public Organizations: Interactive Effects of Red Tape and Innovativeness, Public Management Research Conference, Washington DC, October 2003

Impact of Organizational Capability in Developing Internet-based Solutions on Perceived Website Effectiveness, Southeastern Conference for Public Administration (SeCoPA), Savannah, GA, October 2003

Effects of ISO 14001 on CO2 reduction in the Electrical Power Generation Industry, International Human Dimensions of Global Change, Montreal, October 2003

Promises and Pitfalls of ISO 14001 for Competitiveness and Sustainability: A Comparison of Japan and the United States, Conference on the Environment, University of Illinois at Chicago, 2003.

Government and Governance in the Knowledge Economy, All Academy Symposium, Academy of Management, 2003.

Scrutinizing Stereotypes: Determinants of Managerial Perceptions of Red Tape and its Implications for Public Management, Academy of Management, 2003.

The Power of Global Institutions and the Case of Environment, American Society for Public Administration, Washington DC, 2003.

Same Bed, Different Dreams?: A Comparative Analysis of Citizen and Bureaucrat Perspectives on E-Government, American Political Science Association, 2003.

ISO 14001 and the Greening of Japanese Industry, Association for Asian Studies, 2003, New York (with M. Schreurs)

Internet Use, Transparency, and Interactivity Effects on Trust in Government. 2003 Hawaii International Conference on System Sciences (with C. Hinnant).

Managerial Capacity and Digital Government in the States: Examining the Link between Self-Efficacy and Perceived Impacts of IT in Public Organizations. 2003 Hawaii International Conference on System Sciences (with C. Hinnant).

Policy Feedback and Political Participation: Effects of the G.I. Bill for World War II Veterans over the Life Course. Social Capital and Civic Involvement: A Workshop, Cornell University, September, 2002.

A Theoretical Framework for Describing Virtual Interactivity between Government and Citizens: A Study of the Chicago Police Department's Citizen ICAM Application. American Political Science Association Conference. September, 2002.

The Evolution of the Role and Management of Voluntary Environmental Agreements in Japan. American Society for Public Administration Conference. Phoenix. April, 2002 (with A. Hibiki).

Framing Virtual Interactivity between Government and Citizens: A Study of Feedback Systems in the Chicago Police Department. Hawaii International Conference on System Sciences, Information Technology and Public Administration eGovernment Minitrack, Honolulu. January, 2002 (with S. Fulla).

A Comparative Analysis of the Mediating Effect of Domestic Context on Web Site Openness and Government Accountability. Public Management Research Conference. October, 2001 (with W. Wong).

Policy Feedback and Political Participation: Effects of the G.I. Bill for World War II Veterans Over the Life Course. American Political Science Association Conference. September, 2001 (with S. Mettler).

Global Information Technology Pressure and Government Accountability: The Mediating Effect of Domestic Context on Web Site Openness. UIC, Institute of Government & Public Affairs. April, 2001.

Alternative Government Strategies for Pollution Control: Voluntary Pollution Prevention Agreements in Kita Kyushu, Japan. American Society for Public Administration, Panel on Environmental Challenges and Innovative Responses in Asian Metropolitan Cities, Newark, New Jersey. April, 2001 (with A. Hibiki).

Determinants of Farmer Behavior: Adoption of and Compliance with Best Management Practices for Non Point Source Pollution in the Skaneateles Lake Watershed. North American Lake Management Society 20th International Forum, Miami, Florida. November 7-11, 2000 (with F. J. Marc-Aurele).

Global Pressure of Information Technology and Government Accountability. International Research Symposium on Public Management IV. Rotterdam, Netherlands. April 10 - 11, 2000 (with W. Wong).

Effects of ISO 14001 Certification on Environment Performance of Enterprises. Society for Environmental Economics and Policy Studies. Kyoto, Japan. November, 1999 (with Y. Mori, M. Aoyagi).

Relationships between ISO 14001 Certification and Environmental Performance of Enterprises. Society of Environmental Science. Toyohashi, Japan. October, 1999 (with Y. Mori, M. Aoyagi).

State Policies to Improve Air Quality. International Sociological Association: The Environmental State. Chicago. August, 1999 (with A. Mazur).

Environmentally Significant Consumption: Theoretical & Empirical Analysis of Companies in Japan. 1999 Open Meeting of the Human Dimensions of Global Research Community. Institute for Global Environmental Strategies. Kanagawa, Japan. June, 1999 (with M. Aoyagi, S. Gotoh).

Implications of Globalism for International and Comparative Public Administration. American Society for Public Administration, National Conference. Orlando, Florida. April, 1999 (with W. Wong).

The Organizational Context of Materials. East Asian Workshop for International Human Dimension of Global Change Industrial Transformation. Kita-Kyushu, Japan. June, 1998.

An Approach to Simultaneous Measurement of Economic and Environmental Efficiency. 1997 Association for Public Policy Analysis and Management Conference. Washington, D.C. November, 1997.

New Public Management: A Typology of Pathologies. Public Management Research Conference. Athens, Georgia. November, 1997 (with J. Moon, S. Bretschneider).

New Public Management: Adaptation Through Market Co-optation. American Society for Public Administration, National Conference. Philadelphia, Pennsylvania. July, 1997 (with J. Moon).

The Organization of Firms for Sustainable Practice. 1997 Open Meeting of the Human Dimensions of Global Research Community, International Institute of Applied Systems Analysis. Invited Presentation. Vienna, Austria. June 12-14, 1997.

Industrial Transformation: Organization Level of Analysis. Working Group for Human Dimension of Global Change Programme. Participant. Free University, Amsterdam, The Netherlands. February, 1997.

Effectiveness of State Level Policy on Source Reduction of Toxic Waste: A Cross State Analysis. 1996 Association for Public Policy Analysis and Management Conference. Pittsburgh, Pennsylvania. November, 1996 (with S. Bretschneider).

Organizational Development for Air Policy Implementation: Comparison of Implementation Deficit Reduction in North Rhine - Westphalia and Katowice. Midsummer Workshop, International Institute for Applied Systems Analysis. Vienna, Austria. July, 1996.

Bridging the Gaps of Ethnocentric Public Administration Theory: Framework for Analysis of Governmental Change. Ninth National Symposium on Public Administration Theory. Savannah, Georgia. February, 1996 (with W. Wong).

Contracting In: Can Government Be a Business? The Third National Public Management Research Conference. Lawrence, Kansas. October, 1995 (with S. Bretschneider).

Bias in Judgmental Extrapolation of Time Series Data. Characteristics, Causes, and Remediation Strategies for Forecasting. The Symposium on International Forecasting. Toronto, Canada. June, 1995 (with S. Bretschneider, & J. Rohrbaugh).

COURSES TAUGHT

Environmental Management; Science and Technology Policy; Technology and Innovation Theory; Business, Government & the Environment; Science, Technology & Environment; Computer Applications in Public Administration; Electronic Government; Bureaucracy & the Policy Process; Public Decision Making; Organization Theory & Public Management; Intergovernmental Management; Introductory Statistics; Internship and Professional Development Course; Public Administration Capstone

AWARDS & HONORS

Best Paper, Electronic Government, HICSS Conference, 2007

Pi Alpha Alpha, Honor Society in Public Administration

Roscoe Martin Award. Syracuse University (1997).

Syracuse University Graduate Fellowship (1996); Syracuse University, Graduate School, Creative Research Project Grant (1996); Syracuse University Scholarship (1993; 1994; 1995); Syracuse University Travel Grants (1995; 1996 (2))

Pi Gamma Mu, International Honor Society in Social Science

ADVISORY COMMITTEES

American Association for the Advancement of Science, Technical Review Panel, R&D Evaluation Expert, NIH funded Maine IDeA Network of Biomedical Research Excellence (INBRE), 2009-2014.

American Association for the Advancement of Science, Technical Review Panel, R&D Evaluation Expert, NIH funded Delaware IDeA Network of Biomedical Research Excellence (INBRE), 2009-2014.

National Research Council National Academy of Sciences Panel, Social Science Representative for the Board of Mathematical Sciences Review of the National Science Foundation's VIGRE program, 2007-2008.

American Association for the Advancement of Science, Technical Review Panel, R&D Evaluation Expert, NSF funded Maine EPSCoR Forest Bioproducts Research Program, 2007-2009.

American Association for the Advancement of Science, Technical Review Panel, R&D Evaluation Expert, NSF funded Kansas EPSCoR Forecasting Ecological Change in the Central Plains Program, 2007-2009.

JOURNAL, CONFERENCE AND GRANT REVIEWS

Journals

Research Policy, Governance; Journal of Public Administration Research & Theory; Public Administration Review; State and Local Government Review; Review of Public Personnel Administration; Journal of Public Policy and Management; Urban Affairs Review; Technology Transfer Journal; International Journal of E-Government Research and Theory; New Media and Society Journal; International Public Management Journal; Journal of Environmental Economics and Management, Environmental and Resource Economics; Environmental Science and Policy; Policy Studies Journal; Greener Management International; Human Ecology Review; Journal of Infrastructure Systems; National Tax Journal; Journal of Productivity Management

Grants

Social Science and Humanities Research Council, Canada;
National Science Foundation, United States

Series

National Research Council and Institute of Medicine of the National Academy of Sciences, The Health Hazard Evaluation Program at NIOSH, 2009.

Conferences

Academy of Management Annual Conferences
Hawaiian International Conference on System Sciences

SERVICE TO THE FIELD

Editorial Board Member, *Journal of Public Administration Research and Theory*, 2009-2012.

Editorial Board Member, *Policy Studies Journal*, 2009-.

Co-chair. Hawaii International Conference on System Sciences, Electronic Government Track, 2003; 2005; 2006; 2007; 2008.

Panel Organizer. The Expanding Role of Social Network Analysis in Science and Technology Policy, Association for Public Policy Analysis and Management, 2006.

Chair. Comparative Public Management: Global Pressures and National Responses, American Society for Public Administration, 2004.

Primary Co-chair. Hawaii International Conference on System Sciences, Emerging Technologies Track, IT-enabled Democracy, 2004, 2008.

Invited Presenter and American Society for Public Administration eGovernment Delegation Representative to Korean Association of Public Administration, Seoul, Korea, 2002.

Chair. Environmental and Development Panel. American Society for Public Administration Conference, 2002.

Invited Participant. Foundations of Electronic Government in America's Cities: A Multidisciplinary Workshop. Policy and Governance Section. Sponsored by NSF, Digital Governance, 2001.

Invited Discussant. STA Fellowship Alumni Reunion and Evaluation, National Science Foundation, Arlington, VA, July, 2000.

Panel Chair. Industrial Transformation: The Energy Sector. Open Meeting of the Human Dimensions of Global Research Community. Institute for Global Environmental Strategies, 1999.

Working Group Member, Human Dimensions of Global Change Programme, Industrial Transformation Sub Programme, 1996-1997.

PROFESSIONAL ASSOCIATIONS

Public Management Research Association

American Association for the Advancement of Science

Digital Government Society of North America

Academy of Management

Association for Public Policy and Management

SERVICE TO THE PROGRAM

Member, Public Administration Executive Committee (2008-2009)

Chair, Faculty Search Committee (2007-2008)

Chair, PhD Committee (2004-2006)

Chair, MPA Committee (2004-2006)

Director of Graduate Studies (2004-2006)

PhD Program Review Committee. (2001-2001)

Science and Technology Core, Coordinator (2003-2004)

MPA/JD Committee, Chair (2002-2003)

PA Forum Coordinator (2002-2003)

PhD Committee (2003-2004)

Developed Electronic Public Administration Course Sequence

SERVICE TO THE COLLEGE

Committee Member, CUPPA Dean Search, 2007-2008

College Secretary, 2007-2008

Committee Member, CUPPA Executive Committee, 2005-2007

Committee Member, ADH Classroom Expansion Committee, 2002-2003

Co-chair, CUPPA Globalization Task Force, Strategic Planning Effort, 2003

SERVICE TO THE UNIVERSITY

Committee Member, International Development Fund Competition Selection Committee, University of Illinois at Chicago, Spring 2002.

Appointed Member, Graduate College Faculty, University of Illinois at Chicago, 2001-

EXTERNAL SERVICE

Member, Steering Committee, Institute for Environmental Science and Policy, University of Illinois at Chicago, 2004 to present

Member, Illinois Department of Transportation, Lipinski and A. Phillip Randolph Fellowship Selection Committee, 2005

Chair, Liaison Committee, Digital Government Society of North America, 2006-2008

DISSERTATION COMMITTEE SERVICE

Dissertation Committee Chair. Nilay Yavuz. Public Administration, current

Dissertation Committee Chair. Yamini Jha. Public Administration, current

Dissertation Committee Member, Kamna Lal, Public Administration, current

Dissertation Committee Member. John Nasko. Public Administration, current

Dissertation Committee Chair. Megan Haller. Public Administration, 2008

Dissertation Committee Member, Kimberly Johns, Public Administration, 2009

Dissertation Committee Member. Joanne Howard. Public Administration, 2006

Dissertation Committee Member. Chen Huei-Yuan. Public Administration, 2004

Dissertation External Committee Member. Debra Mir, Urban Policy and Planning, 2003

Master Thesis, Committee Member, Tanushri Swarup, Urban Policy and Planning, 2008

CONSULTING

Evaluation of the NSF funded EPSCoR program: Center for Sustainability Solutions, Maine EPSCoR, 2009-2014.

Evaluation of the NSF funded EPSCoR program: Resilience and Vulnerability in a Rapidly Changing North: The Integration of Physical, Biological & Social Processes, Alaska EPSCoR, 2007-2010.

Review of Global R&D Evaluation Methodologies, CONACYT (Consejo Nacional de Ciencia y Tecnología – National Council on Science and Technology of Mexico), Funded by the Mexican Government, 2003-2004.

Survey Research Consultant. GI Bill effects on citizenship and public participation of World War II veterans. (1998-2000). Spencer Foundation, Suzanne Mettler, Director.

Federal Agency Evaluation for the Government Performance Project. (1998) Project funded through a Pew Grant. Evaluated financial, capital, human, information and results management for three federal agencies: U.S. Patent and Trademark Office, U.S. Internal Revenue Service, & U.S. Customs Service. The Campbell Institute, Syracuse University.

Analyst. Water District Formation for the Hamlet of Long Eddy, New York. (1998) Conducted evaluation for use in public decision making forum (Charrette). Environmental Protection Agency, Environmental Finance Center, Syracuse University.