
Eric W. Welch

Qualifications summary

- Excellent research management and planning skills
- Deep understanding of the regulatory environment for scientific research
- Commitment to integrative approaches to team-based research
- Clear understanding of innovation and commercialization processes
- International research reputation in science and technology policy and administration
- Strong and sustained success identifying and receiving funding for research
- Energy and interest in building new programs and systems that generate diverse workforce and sustained research capacity

Education

- Ph.D. Public Administration (1997), The Maxwell School of Citizenship and Public Affairs, Syracuse University, Concentration in Science and Technology Policy and Administration
- M.A. International Studies (1991) University of Oregon
- M.A. Asian Studies (1991) University of Oregon
- B.A. History (1985) University of Washington

EmploymentCurrent

Professor, School of Public Affairs, Arizona State University (ASU), 2014-
Visiting Professor, Graduate School of Economics and Management, Tohoku University,
Japan, 2021-2023

Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory, ASU

Affiliated Faculty Positions at ASU

Sustainable Transportation and Urban Futures Initiative
School for the Future of Innovation Studies
Center for Organizational Research and Design
Center for Technology, Data and Society
Swette Center for Sustainable Food Systems

Prior

Associate Professor, Department of Public Administration, University of Illinois at Chicago, 2005-2014

Graduate College Faculty Member, University of Illinois at Chicago, 2001-2014

Assistant Professor, Department of Public Administration, UIC, 1998-2005

Postdoctoral Fellow, Center for Technology & Information Policy, Syracuse University, 1997-1998

External Researcher, Center for Economic Studies, US Bureau of the Census, 1996-1997

International Technology Management Consultant, Rubicon International, Portland Oregon, 1990-1993

Science Competitiveness, Communication & Capacity Development

Framing Academic Research Competitiveness. Contracted by NSF, I co-developed the academic research competitiveness framework which integrates multiple outcome categories – resource acquisition, knowledge production, attractiveness, reputation and socio-economic impacts – at the jurisdiction (state), institution, team and individual levels. This work builds on 20 years of experience evaluating numerous \$20 million plus interdisciplinary, multi-institutional, multi-year EPSCoR projects designed to develop and sustain research capacity in NSF-designated less competitive jurisdictions. Core elements of these projects are the integration of key goals workforce development, knowledge production, diversity and inclusion, economic development and stakeholder outreach and engagement. A recent conference abstract is found [here](#).

Science Workforce Expertise and Communication. Conceptualized and established the Scientist Panel Opinion Survey ([SciOPS](#)) initiative to respond to an increasing need for direct and open communication between the science community and the public. SciOPS aggregates expert opinion of thousands of scientists to communicate about the current and future state of science and society. It is founded on the idea that universities have an obligation to improve the application of research knowledge and knowhow to design programs and initiatives that further their public mission and the need to improve science communication in a democratic society.

Building Science Capacity: R&D Program & Project Evaluation and Advice. I have expertise assessing and critiquing the design, development, implementation, impacts and sustainability of large R&D projects that aim to build long-term research infrastructure and capacity. I measure and monitor near and longer-term goal-relevant outcomes using quantitative and qualitative methods to examine science production; workforce capacity development; innovation outputs, team processes and functioning, program institutionalization, support and management; communication and learning; and impacts on key stakeholders. Example evaluation, assessment and advising projects undertaken to date include (see full list below):

NSF EPSCoR Program, Kentucky Track I Advancing Kentucky's Manufacturing Partnerships in Enhanced Robotics and Structures (2019-2024)

NSF EPSCoR Program, New Hampshire Track I BioMade project: New Hampshire Center for Multiscale Modeling and Manufacturing of Biomaterials (2018-2023)

NSF EPSCoR Program, Rhode Island Track I Enhancing Rhode Island's Coastal Environment to Enable Growth in a Blue Economy (2017-2022)

NSF EPSCoR Program, Louisiana Track II FEC: Probing and Understanding the Brain: Micro and Macro Dynamics of Seizure and Memory Networks (2016-2020)

National Research Council, National Academy of Sciences Panel, Board of Mathematical Sciences Review, Evaluation of the NSF VIGRE program (2007-2008)

American Association for the Advancement of Science (AAAS), NSF funded Maine EPSCoR Forest Bioproducts Research Program, Evaluation Expert on Science Evaluation Team (2007-2009)

NIH Minority Access for Research Careers (MARC) program, US Virgin Islands, PI, (2011-2016).

NIH Center for Clinical and Translational Science, University of Illinois at Chicago (2009-2014), Evaluation Co-Director, NIH translational science research infrastructure program.

USAID, Legume Innovation Lab Evaluation, 2012-2016, Evaluation Technical Expert, 2016.

UN FAO, Genetic Resources Programs since 2007 (2014-2015), Lead Evaluator

Administrative Experience

Arizona State University

Director, [Center for Science, Technology and Environment Policy Studies](#) (C-STEPS), ASU, 2014-

C-STEPS offers a unique research environment for faculty, graduate students, and practitioners to conduct research, evaluate policy and programs, and develop solutions for some of the world's most pressing challenges at the nexus of scientific, societal, technological, and environmental change. The C-STEPS team conducts research in interdisciplinary areas related to science policy, climate adaptation, R&D evaluation, global regulation and governance, and science communication. The center has received continuous annual funding of approximately \$350,000 in grants and contracts since its establishment in 2014. The Center currently manages twelve funded projects and received \$2.2 million in new funding 2020-2022. As PI or Co-PI, Dr. Welch has received over \$10 million in grants and contracts.

Director, PhD program, School of Public Affairs, 2015-2017

Revised doctoral curriculum to better integrate goals of dual substantive competencies in public administration and policy. Streamlined mentoring and review processes to reduce graduation times down to current four to five years. Built recruiting and visibility efforts to increase the quality of incoming doctoral students.

Other Administrative Experience, Arizona State University

School of Public Affairs (SPA)

Chair, SPA Director Search Committee, 2022; Emergency Management Homeland Security Faculty Search Committee, 2021-2022; Faculty Advisory Committee, 2020-2021; Faculty Search Committee, 2016-2017

Member, Faculty Advisory Committee, 2018-2021; PhD Committee, 2014-2019; 2020-2022; Public Management Search Committee, 2016-2017; SPA Director Search Committee, 2018; Personnel Committee, 2014-2015; Ad Hoc Science and Technology Planning Committee, 2014-2015

Watts College of Public Service and Community Solutions, ASU

Committee Member, College Personnel Committee, 2018-2020; Associate Dean for Research Search Committee, 2019; PhD Research Conference, SPA Representative 2016

University, Arizona State University

University Senate, 2020-2023; University Senate, Personnel Committee, 2020-2023; Limited Submissions Standing Panel, Arizona State University, 2014-

University of Illinois at Chicago

Director, Science, Technology and Environment Policy (STE) Lab, UIC, 2008-2014

Founded the STE Lab to establish an institutional home for research in technology and government, science policy and environmental policy. The STE Lab became a cornerstone of funded doctoral research in the Department of Public Administration at UIC. Created the Technology in Government Survey, resulting in five biannual surveys of local government managers in the United States.

Director of Graduate Studies, Department of Public Administration, UIC, 2004-2006

A key administrative position in the department which offered MPA and PhD degrees. The department did not offer an undergraduate degree. Directed PhD and MPA committees including all recruitment, administration, mentoring and graduation. Oversaw consolidation and implementation of the new doctoral comprehensive examination process established in 2003.

Other Administrative Experience, University of Illinois at Chicago

Department of Public Administration

Chair: Faculty Search Committee, 2007, 2009, 2012; Science and Technology PhD Core Exam Committee (2003-2012); PhD Committee (2004-2006); MPA Committee (2004-2006); PhD Program Review Committee (2001-2002); Joint MPA/JD Review Committee (2002-2003); PA Forum (2002-2003)

Member: PhD Committee (2003-2004); PhD Committee, 2012-2013; Faculty Search Committee, 2011-2012; Executive Committee (2008-2012);

College of Urban Planning and Public Affairs

Member: Office of Research Services (ORSS) Search Committee, 2012; Promotion and Tenure Committee, 2006-2008; Classroom Technology Committee, CUPPA 2008-2010; Executive Committee, 2010-2012; Centers and Labs Committee, CUPPA, 2010-2011; Dean Search Committee, 2007-2008; College Secretary, 2007-2008; Executive Committee, 2005-2007; Classroom Expansion Committee, 2002-2003; Co-chair, Globalization Task Force, 2003

University of Illinois at Chicago

Search Committee, Vice Chancellor for Research, University of Illinois at Chicago, 2011-2012; Student Fulbright Selection Committee, University of Illinois at Chicago, 2011;

Steering Committee, Institute for Environmental Science and Policy, University of Illinois at Chicago, 2004 to 2010;

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

Professional Associations

Public Management Research Association (PMRA)

American Association for the Advancement of Science (AAAS)

Sigma Xi

New York Academy of Sciences (NYAS)

Academy of Management (AOM)

International Network for Social Network Analysis (INSNA)

Association for Public Policy and Management (APPAM)

Editorial Boards

Research Evaluation, Oxford Academic Press, 2021-2024

Journal of Public Administration Research and Theory, 2009-2012

Policy Studies Journal, 2009-2012

External Assessment for Promotion and Appointment

University of Malaya, Kuala Lumpur, Malaysia

Hong Kong University of Science and Technology

Advisory Committees & US Government Delegations

US Government Delegate, United Nation's Food and Agriculture Organization (FAO), Commission on Genetic Resources for Food and Agriculture (CGRFA), 14th Regular Session, April 15-19, Rome, Italy, 2013

US Government Invited Observer, United Nation's Food and Agriculture Organization (FAO), Commission on Genetic Resources for Food and Agriculture (CGRFA), Ad Hoc Technical Working Group on Access and Benefit-Sharing for Genetic Resources for Food and Agriculture (WG-ABS-1), Longyearbyen (Svalbard), Norway, September 11-13, 2012

US Government Invited Observer, United Nation's Food and Agriculture Organization (FAO), Commission on Genetic Resources for Food and Agriculture (CGRFA), 13th Regular Session, Rome, Italy, July 2011

US Government Invited Observer, Expert on Access and Benefit sharing for Food and Agriculture, Nagoya, Japan, Conference of the Parties 10, Convention on Biodiversity, October 2010

US Government Delegation, Invited Expert on Access and Benefit Sharing for Food and Agriculture, Ninth Meeting of the Ad Hoc Open-ended Working Group on Access and Benefit-sharing (WG ABS 9), Convention on Biodiversity, Montreal, Canada, July 2010

US Government Delegation, Invited Expert Access and Benefit Sharing for Food and Agriculture, Ninth meeting of the Ad Hoc Open-ended Working Group on Access and Benefit-sharing (WG ABS 9), Convention on Biodiversity, Cali, Colombia, March 2010

US Government Delegation, US State Department, United Nations Commission on Genetic Resources for Food and Agriculture, Invited Academic Expert on Access and Benefit Sharing for Food and Agriculture, Rome, Italy 2009

Awards & Honors

Leadership Award, ASU Knowledge Enterprise Grants Program, Washington DC, ASU, 2021

Full Member by Nominated, Sigma Xi, 2021 –

Scholar Award, College of Public Service & Community Solutions, ASU, 2018

Faculty Research Award, School of Public Affairs, ASU, 2017

Agropolis Foundation Research Fellow, CIRAD, Montpellier, France 2012-2013

OECD Fellowship Award, Co-operative Research Programme: Biological Resource Management for Sustainable Agriculture, 2012-2013

Jefferson Science Fellowship, Finalist, 2012

JSPS Fellowship Award, Japan Society for the Promotion of Science, National Institute for Environmental Studies, 2009

Best Paper, Electronic Government, HICSS Conference, 2007

Faculty Scholar Award, Great Cities Institute, UIC, 2003-2004

Pi Alpha Alpha, Honor Society in Public Administration, 2000

STA Short-term Research Fellowship Award, Science & Technology Agency of Japan, National Institute for Environmental Studies, 2000

STA Long-term Research Fellowship Award, Science & Technology Agency of Japan, National Institute of Environmental Studies, Ministry of the Environment, Japan, 1998-1999

Roscoe Martin Award, Syracuse University, 1997

Young Scientists Summer Program (YSSP), International Institute for Applied Systems Analysis (IIASA), Industrial Metabolism & Long-Term Environmental Policy Project (funded through National Science Foundation Grant # INT-9302944), Vienna, Austria, 1996

Pi Gamma Mu, International Honor Society in Social Science, 1989

Funded Research (*indicates current)

*NSF CoPe. Large-Scale CoPe: The Cascadia Coastlines and People Hazards Research Hub (ICER #2103713, Co-PI, 2021-2026)

*NSF ERC: Planning Grant: Engineering Research Center for Innovative Built and Regenerative Environments for Advancing Timeless Habitability and Equity (I-BREATHE), (EEC #2124284, Co-PI, 2021-2022)

*Allen Coral Reef Atlas, Use Cases Leveraging Coral Reef Big Data and Visualization to Inform Global and National Policy, PI, 2021-2022

*USGS Science Communication Theory, Design, Production and Engagement, PI, 2021-2023

*E-COFFEE Initiative to Reduce Pesticide Use in Coffee, Environmental Scanning to Assess Global Governance Structures and Opportunities for Collaboration, CIRAD, Co-PI, 2021-2022

*NSF EAGER: International Type II: Assessing the Role of Social Innovation for Resilience in Global Collaborative Research (OISE #2124687, PI 2021-2023)

*NSF RAPID: Linking institutional logics and data sharing to research outputs before and after SARS-CoV-2 peak infection, NSF SMA #2029936 (Supplement awarded 2021), PI, 2020-2022

*NSF EPSCoR Program, Kansas Track II Aquatic Intermittency Effects on Microbiomes in Streams (AIMS) (2021-2024)

*Science and Engineering Workforce Panel Opinion Survey (SciOPS), ASU sponsored, PI, 2016-2024

*Connecting Nuances of Foreign Status, Professional Networks, and Higher Education, National Science Foundation, DGE #1661206, PI 2017-2023

*NSF EPSCoR Program, Kansas Track I Microbiomes of Aquatic habitats, Plants, and Soils (MAPS) (2017-2023)

Global governance of genetic-based research and development in coffee: BREEDing Coffee for AgroForestry Systems (BREEDcafs), European Union, Horizon 2020, Sustainable Food Security – Resilient and resource-efficient value chains, Collaborator, 2017-2022

Post COVID-19 Implications for Collaborative Governance of Genetic diversity and genomics research, International Treaty on Plant Genetic Resources for Food and Agriculture, Partnership with Keystone Policy Center and CIRAD, FAO of the UN - Climate, Biodiversity, Land and Water Department, 2020-2021

National NSF EPSCoR Study on Academic Excellence and Research Competitiveness, National Science Foundation, Collaboration with M2, Abt Associates, American Association for the Advancement of Science and Georgia Institute of Technology, 2017-2020

Center Alignment and Expansion Grant, College of Public Service and Community Solutions, ASU, An Integrative Approach to Adaptive Management and Collaborative Governance: Linking Extreme Weather and Transportation Vulnerability Using a Geodesign Platform to Visualize and Facilitate Decision Making, 2018-2019

Implications of Advanced Sequencing and Synthetic Biology for the International Treaty on Plant Genetic Resources (ITPGRFA). United Nations Food and Agriculture Organization, PI, 2017

Global Status of GRFA ABS Policies, Commission on Genetic Resources for Food and Agriculture, UN FAO, 2017

Contested Resource Inputs to Science: How Institutional Provisions on the Access and Use of Materials and Data Affect Research Collaboration Structures and Outcomes. National Science Foundation, SciSIP #1360166, PI, 2014-2018

Potential and emerging impacts of the changing institutional landscape on the global exchange of genetic resources for food and agriculture (GRFA), International Food Policy Research Institute (IFPRI) and Bureau for Food Security, United States Agency for International Development (USAID) September, PI, 2015-2017

Institutional and Organizational Factors for Enabling Data Access, Exchange and Use Aims for DivSeek, PI, International Treaty for Plant Genetic Resources for Food and Agriculture (ITPGRFA) and Global Crop Diversity Trust (GCDDT), UN Food and Agriculture Organization (FAO), PI, 2015-2016

Networks for Climate Smart Technologies in Uganda and Tanzania, Flagship Four, Climate Change for Agriculture and Food Security (CCAFS), Bioversity International, 2014-2016, Co-PI

Climate Change effects on Transit Emergency Management and Planning, Federal Transportation Administration, 2012-2016, Co-PI

Genetic Resources Policy Initiative (GRPI-2) to strengthen national capacities to implement the International Treaty on Plant Genetic Resources for Food and Agriculture, Bioversity International, 2012-2016, Co-PI

Climate Change Assessment of Facilitators and Barriers Germplasm Flows (CCAFS) between the GGIAR (Consultative Group on International Agricultural Research) Centres, CGIAR partners and other end users, Bioversity International, 2012-2016, Co-PI

Development of Evaluation Plan for Chicago Public Schools Travel Training Program, Federal Transportation Administration, 2014-2016, Co-PI

Assessing the Kansas NSF EPSCoR Program Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation, 2009-2015, PI

Breaking through the Reputational Ceiling: Professional Networks as a Determinant of Advancement, Mobility, and Career Outcomes for Women and Minorities in STEM, Grant # REESE-0910191. National Science Foundation, 2009-2014, Co-PI

Establishment of the CCIT Lab: Tracking Creative and Collaborative Information Technology, UIC College of Business, 2011-2014, Co-PI

Evaluating the Center for Clinical and Translational Science (2009-2014) National Institutes of Health, 2010-2014, Senior Researcher, Co-Director

Research Collaboration on the Exchange and Use of Genetic Resources for Food and Agriculture, Agropolis Foundation, France, 2012-2014, PI

Knowledge for Policy: Critical Research for Understanding Potential Impacts of Access and Benefit Sharing on Eight Sectors of Genetic Resources for Food and Agriculture, National Institute for Food and Agriculture, US Department of Agriculture, Foreign Agricultural Service Grant # 2009-65213-06026, 2009-2013, PI

Synthesizing and Disseminating Local Government Approaches to Technology and Civic Engagement, Institute for Policy and Civic Engagement, 2012-2013, PI

Building Urban Resilience and Sustainability (BURST): Integrating Adaptive Infrastructure Systems with Institutional and Ecological Functions, Areas of Excellence Award, Office of the Vice Chancellor for Research, UIC, 2012-2013, Co-PI

Broadband Evaluation Workshop and Book, MacArthur Foundation, 2012-2013, Co-PI, with Karen Mossberger and Yonghong Wu

Science in Action: The Negotiation of a Multilateral Access and Benefit Sharing Agreement for Genetic Resources for Food and Agriculture, US Department of Agriculture, Foreign Agricultural Service, 2008-2012, PI

Exchange and Use of Genetic Resources Used in French Agricultural Research, CIRAD, 2010-2011, PI

Collaboration among the Chicago Transit Authority and the Urban Transportation Center at UIC, Chicago Transportation Authority and Illinois Department of Transportation, 2011-2012, Co-PI

Continuation of the National Study on City Government Technology and Civic Engagement Institute for Policy and Civic Engagement, 2011, PI

Continued Collaboration among the CTA, UIC, and MIT, Chicago Transit Authority, 2005-2010, Co-PI.

National Study on State Government Technology and Civic Engagement. Institute for Policy and Civic Engagement, 2010-2011, PI

Evaluation of the Landscape, Ecological and Anthropogenic Processes, National Science Foundation Integrative Graduate Education and Research Traineeship (NSF-IGERT) 2008-2011, PI.

National Study on City and Town Government Technology and Civic Engagement. Institute for Policy and Civic Engagement, 2010, PI

Patenting Behavior of Academic Scientists and Engineers: A Micro-level Analysis of the Factors that Determine the Production of University Patents. National Science Foundation, Grant # SES-0750613, 2008-2011, PI. Supplement awarded August 2010, PI

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, 2009, PI

Women in Science and Engineering: Network Access, Participation, and Career Outcomes (2005-2010). Grant # REC-052964. National Science Foundation, Co-PI; supplement awarded, 2008, Co-PI

Evaluation of the Mid-America Earthquake (MAE) NSF Engineering Research Center, 2005-2008, Co-PI

From E-government to E-governance: A Study of the Impact of E-government in Hong Kong, Hong Kong Research Grants Council, 2006-2008, Co-PI

Institute for Environmental Science and Policy, Modeling and Assessing the Effectiveness of Alternative Fuel Vehicle Fleet Replacement in Local Government: A Multidisciplinary Analysis of DuPage County Forest Preserve's Mandate, 2004-2005, Co-PI

Effect of Ozone Warning Days on Public Transportation Ridership. Chicago Transit Authority, 2003-2005, PI

Linking Technology and Democracy: A Study of Government Use of the Internet to Facilitate Public Discourse, 2003-2004, Great Cities Institute

Public Administration in the Age of Globalization: Studying the Effect of Interaction between Global Pressures and Domestic Contexts on Public Bureaucracy, Hong Kong Research Grants Council, 2002-2004, Co-PI

Global Environmental Research Fund. Comparative analysis of Japanese and US Voluntary Environmental Policies, Ministry of the Environment, Japan, 2002-2005, Co-PI

Global Environmental Research Fund. Feasibility Study for Comparative Environmental Policy Analysis. Japan Environment Agency, 2001-2002, Co-PI

A Study of the Process of Transformation toward an Industrial Society with Minimum Environmental Burden. Japan Environment Agency, Global Environmental Research Fund, 2000-2003, Co-PI

Contracted External Science Project and Program Evaluations

National Science Foundation (NSF) Funded R&D Project and Program Evaluations

NSF EPSCoR Program, Kansas Track II Aquatic Intermittency Effects on Microbiomes in Streams (AIMS) (2021-2024)

NSF EPSCoR Program, Kentucky Track I Advancing Kentucky's Manufacturing Partnerships in Enhanced Robotics and Structures (2019-2024)

NSF EPSCoR Program, Montana Track I Consortium for Research on Environmental Water Systems (CREWS) (2018-2023)

NSF EPSCoR Program, New Hampshire Track I BioMade project: New Hampshire Center for Multiscale Modeling and Manufacturing of Biomaterials (2018-2023)

NSF EPSCoR Program, Alaska Track I Fire and Ice: Navigating Variability in Boreal Wildfire Regimes and Subarctic Coastal Ecosystems (Fire & Ice) (2018-2023)

NSF EPSCoR Program, Rhode Island Track I Enhancing Rhode Island's Coastal Environment to Enable Growth in a Blue Economy (2017-2022)

NSF EPSCoR Program, Louisiana Track II FEC: Probing and Understanding the Brain: Micro and Macro Dynamics of Seizure and Memory Networks (2016-2020)

NSF EPSCoR Program, Maine Track I The Nexus of Coastal Social-Environmental Systems and Sustainable Ecological Aquaculture (2015-2020)

NSF EPSCoR Program, Alaska Track I Adapting to Changing Environments (2013-2018)

NSF EPSCoR Program, Kansas Track I Climate Change and Energy: Basic Science, Impacts, and Mitigation (2009-2014)

Research Competitiveness Program, NSF EPSCoR Assessment Initiative, American Association for the Advancement of Science (AAAS), 2017-2018.

NSF EPSCoR Program, New Hampshire Track I Interactions among Climate, Land Use, Ecosystem Services and Society (2011-2016)

NSF EPSCoR Program, Maine Track I Sustainability Solutions Initiative (2009-2014)

NSF EPSCoR program, Alaska Track I Resilience and Vulnerability in a Rapidly Changing North: The Integration of Physical, Biological & Social Processes (2007-2012)

NSF EPSCoR Program, Alaska Cyberinfrastructure Award (2012-2014)

NSF Integrative Graduate Education and Research Traineeship (NSF-IGERT) Program: Landscape, Ecological and Anthropogenic Processes (2008-2011)

National Research Council, National Academy of Sciences Panel, Board of Mathematical Sciences Review, Evaluation of the NSF VIGRE program (2007-2008)

American Association for the Advancement of Science (AAAS), NSF funded Maine EPSCoR Forest Bioproducts Research Program, Evaluation Expert on Science Evaluation Team (2007-2009)

American Association for the Advancement of Science, NSF funded Kansas EPSCoR Forecasting Ecological Change in the Central Plains Program, Evaluation Expert on Science Evaluation Team (2007-2009)

National Institutes of Health (NIH) R&D Project Evaluations

NIH Minority Access for Research Careers (MARC) program, US Virgin Islands, PI, (2011-2016).

NIH Center for Clinical and Translational Science, University of Illinois at Chicago (2009-2014), Evaluation Co-Director, NIH translational science research infrastructure program.

American Association for the Advancement of Science, NIH funded Maine IDeA Network of Biomedical Research Excellence (INBRE), Evaluation Expert on Science Evaluation Team (2009-2014).

Global Agriculture and Genetic Resources Project Evaluations

USAID, Sorghum and Millet Innovation Lab Evaluation, 2014-2018, Evaluation Technical Expert, 2017.

USAID, Peanut and Mycotoxin Innovation Lab Evaluation, 2012-2016, Evaluation Technical Expert, 2016.

USAID, Legume Innovation Lab Evaluation, 2012-2016, Evaluation Technical Expert, 2016.

UN FAO, Genetic Resources Programs since 2007 (2014-2015), Lead Evaluator

Other External Evaluation and Review Activity

Assessment 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 National Science Foundation (CONACYT) (with Julia Melkers) 2003-2004

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

Evaluation to inform public decision-making forum (Charrette) for the formation of a water district for the Hamlet of Long Eddy, New York. (1998) Environmental Protection Agency, Environmental Finance Center, Syracuse University

Publications

My published works typically address questions at the confluence of science, technology, policy and management. I have written academic entrepreneurship, science production, workforce development and diversity. My research includes topics of commercialization of university inventions, regulation of data and material inputs to science, science governance and management, data sharing, and technology adoption and uptake. I have also examined the behavior of public and private sector organizations related to accomplishing environmental goals and climate change. All of my work integrates theory and empirics, focusing at the individual, organizational or institutional levels.

Refereed Journal Articles

1. Zhang, F. & Welch, E. (Accepted) Explaining Public Organization Adaptation to Climate Change: Configurations of Macro- and Meso-Level Institutional Logics. *Journal of Public Administration Research and Theory*.
2. Caldarulo, M., Welch, E. & Feeney, MK. (In Press) Determinants of Cyberincidents among Small and Medium US Cities. *Government Information Quarterly*.
3. Jung, H., & Welch, E. (In Press) The Impact of Demographic Composition of Social Networks on Perceived Inclusion in the Workplace. *Public Administration Review*.
4. Aydemir, N. Y., Huang, W. L., & Welch, E. W. (2022). Late-stage academic entrepreneurship: Explaining why academic scientists collaborate with industry to commercialize their patents. *Technological Forecasting and Social Change*, 176, 121436.
5. Zhang, F., & Welch, E. W. (2021). More than just managerial self-efficacy: conceptualizing and predicting top managers' means efficacy about the organization under extreme events. *Journal of Managerial Psychology*.
6. Xiang, T., Welch, E. W., & Liu, B. (2021). Power of social relations: The dynamics of social capital and household economic recovery post Wenchuan earthquake. *International Journal of Disaster Risk Reduction*, 66, 102607.
7. Johnson, T. P., Feeney, M. K., Jung, H., Frandell, A., Caldarulo, M., Michalegko, L., ... & Welch, E. W. (2021). COVID-19 and the academy: opinions and experiences of university-based scientists in the US. *Humanities and Social Sciences Communications*, 8(1), 1-7.
8. Frandell, A., Feeney, M. K., Johnson, T. P., Welch, E. W., Michalegko, L., & Jung, H. (2021). The effects of electronic alert letters for internet surveys of academic scientists. *Scientometrics*, 126(8), 7167-7181.
9. van Holm, E. J., Jung, H., & Welch, E. W. (2021). The impacts of foreignness and cultural distance on commercialization of patents. *The Journal of Technology Transfer*, 46(1), 29-61.
10. The Role of Genetic Resources in Breeding for Climate Change: The Case of Public Breeding Programmes in Eighteen Developing Countries (2020) *Plants*, 9(9): 1129 (with G Galluzzi, A Seyoum, M Halewood, I López Noriega)
11. Zhang, F., Stritch, J. M., & Welch, E. W. (2020). Tension in democratic administration: Does managerial confidence in administrative capacity reduce citizen participation in organizational decision-making?. *Public Administration*, 98(3), 675-695.
12. Welch, E. W., Taggart, G., Feeney, M. K., & Siciliano, M. (2019). Navigating the labyrinth: Academic scientists' responses to new regulatory controls on biological material inputs to research. *Environmental Science & Policy*, 101, 136-146.
13. Van Holm, E. J., Wu, Y., & Welch, E. W. (2019). Comparing the collaboration networks and productivity of China-born and US-born academic scientists. *Science and Public Policy*, 46(2), 310-320.

14. Fusi, F., Welch, E. W., & Siciliano, M. (2019). Barriers and facilitators of access to biological material for international research: The role of institutions and networks. *Science and Public Policy*, 46(2), 275-289.
15. Miao, Q., Welch, E. W., & Sriraj, P. S. (2019). Extreme weather, public transport ridership and moderating effect of bus stop shelters. *Journal of Transport Geography*, 74, 125-133.
16. Fusi, F., Manzella, D., Louafi, S., & Welch, E. (2018). Building global genomics initiatives and enabling data sharing: Insights from multiple case studies. *OmicS: A journal of integrative biology*, 22(4), 237-247.
17. Gaughan, M., Melkers, J., & Welch, E. (2018). Differential social network effects on scholarly productivity: An intersectional analysis. *Science, Technology, & Human Values*, 43(3), 570-599.
18. Halewood, M., Chiurugwi, T., Sackville Hamilton, R., Kurtz, B., Marden, E., Welch, E., ... & Powell, W. (2018). Plant genetic resources for food and agriculture: opportunities and challenges emerging from the science and information technology revolution. *New Phytologist*, 217(4), 1407-1419.
19. Miao, Q., Welch, E. W., Zhang, F., & Sriraj, P. S. (2018). What drives public transit organizations in the United States to adapt to extreme weather events?. *Journal of environmental management*, 225, 252-260.
20. Miao, Q., Feeney, M. K., Zhang, F., Welch, E. W., & Sriraj, P. S. (2018). Through the storm: Transit agency management in response to climate change. *Transportation Research Part D: Transport and Environment*, 63, 421-432.
21. Zhang, F., Welch, E. W., & Miao, Q. (2018). Public organization adaptation to extreme events: Mediating role of risk perception. *Journal of Public Administration Research and Theory*, 28(3), 371-387.
22. Siciliano, M. D., Welch, E. W., & Feeney, M. K. (2018). Network exploration and exploitation: Professional network churn and scientific production. *Social Networks*, 52, 167-179.
23. Welch, E. W., Fusi, F., Louafi, S., & Siciliano, M. (2017). Genetic resource policies in international collaborative research for food and agriculture: A study of USAID-funded innovation labs. *Global food security*, 15, 33-42.
24. Kim, K., Welch, E. W., & Johnson, T. (2017). Human and social capital determinants of translational activity in medical sciences. *Science and Public Policy*, 44(5), 609-619.
25. Nijar, G. S., Louafi, S., & Welch, E. W. (2017). The implementation of the Nagoya ABS Protocol for the research sector: Experience and challenges. *International Environmental Agreements: Politics, Law and Economics*, 17(5), 607-621.
26. Yuille, M. M., Feller, P. I., Georghiou, L., Laredo, P., & Welch, E. W. (2017). Financial sustainability of biobanks: From theory to practice. *Biopreservation and Biobanking*, 15(2), 85-92.
27. McWilliams, A., Parhankangas, A., Coupet, J., Welch, E., & Barnum, D. T. (2016). Strategic decision making for the triple bottom line. *Business Strategy and the Environment*, 25(3), 193-204.
28. Shin, E., & Welch, E. W. (2016). Socio-Technical Determinants of Information Security Perceptions in US Local Governments. *International Journal of Electronic Government Research (IJEGR)*, 12(3), 1-20.
29. Welch, E. W., Feeney, M. K., & Park, C. H. (2016). Determinants of data sharing in US city governments. *Government Information Quarterly*, 33(3), 393-403.
30. Park, C. H., Welch, E. W., & Sriraj, P. S. (2016). An integrative theory-driven framework for evaluating travel training programs. *Evaluation and program planning*, 59, 7-20.
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Book Chapters and Editorials

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2. Mossberger, K., Welch, E.W, Wu, Y. (2021) Broadband as Experimentation and Policy Learning (2021) in *Transforming Everything? Evaluating Broadband's Impacts across Policy Areas*, K Mossberger, EW Welch, Y Wu, eds, Oxford University Press
3. Welch, E.W. (2021) Conclusion: Promising Practices and Needs for the Future, in *Transforming Everything? Evaluating Broadband's Impacts across Policy Areas*, K Mossberger, EW Welch, Y Wu, eds, Oxford University Press
4. Jung, H., Fusi, F., Welch, E.W., Louafi, S. (2021) Apply with Caution! The Contingent Effect of Blockchain Enabled Governance on Trust, in *E-government Research Handbook*, Welch, E.W. ed. Edward Elgar
5. Crumbly, J. and Welch, E.W. (2021) The Role of New Technologies in the E-Governance of Global Supply Chains, in *E-government Research Handbook*, E.W. ed. Edward Elgar
6. Shin, E.J. and Welch, E.W. (2020) Korean Science and Technology Policies, in *Handbook of Korean Politics and Administration*, CI Moon and MJ Moon, ed., 466-483, Routledge.
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9. Louafi, S. and Welch, E.W. (2014) Open systems vs strong IPR. Disentangling the debate on open access for meeting global challenges in life-science, *A Planet for Life*, Agence Française de Développement (AFD) and Institut du Développement et des Relations Internationales (IDDRI).
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12. Welch, E.W. (2012) The Rise of Participative Technologies in Government, in *Transformational Government through eGov Practice: Socio-economic, Cultural, and Technological Issues*, Shareef, M.A., Archer, N. Dwivedi, Y.K., Mishra, A. and Pandey, S.K. pp. 347-367, Bingley, United Kingdom: Emerald Publishers.

13. Shin, E.J. and Welch, E.W. (2012) Environmental Auditing and Compliance, Handbook of Sustainable Management, CN Madu and CH Kuei, Editors (2012), World Scientific Publishing (with EJ Shin).
14. Zellner, M. Welch, E.W. and Hoch, C. (2011) Leaping Forward: Building Resilience by Communicating Vulnerability, in Planning for the Unthinkable: Building Resilience through Collaboration, Bruce Goldstein, ed. MIT Press.
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Other Selected Publications

- Post COVID-19 Implications on Genetic Diversity and Genomics Research & Innovation: A Call for Governance and Research Capacity (with Selim Louafi), Report from Expert Consultation on Post COVID-19 Implications for Collaborative Governance of Genetic diversity and genomics research, International Treaty on Plant Genetic Resources for Food and Agriculture, Partnership with Keystone Policy Center and CIRAD, FAO of the UN - Climate, Biodiversity, Land and Water Department, July 2021 (multiple authors). <http://www.fao.org/3/cb5573en/cb5573en.pdf>
- National Survey of US Public Transit Agency Experience with and Response to Extreme Weather Events, 2017; 2019
- Potential and emerging impacts of the changing institutional landscape on the global exchange of genetic resources for food and agriculture (GRFA), ASU and IFPRI project report to US, AID, June 2017 (with S Louafi, F Fusi, D Manzella, M Siciliano, D Spielman).
- Scoping study: potential implications of synthetic biology and genomic research trajectories for the International Treaty on Plant Genetic Resources for Food and Agriculture, October 2017 (with T

Kuiken, M Bagley and S Louafi). http://www.fao.org/fileadmin/user_upload/faoweb/plant-treaty/GB7/gb7_90.pdf

Institutional and Organizational Factors for Enabling Data Access, Exchange and Use Aims for DivSeek, International Treaty for Plant Genetic Resources for Food and Agriculture (ITPGRFA) and Global Crop Diversity Trust (GCDT), UN Food & Agriculture Organization (FAO), March 2016. https://csteps.asu.edu/sites/default/files/%5Bterm%3Aname%5D/%5Bnode%3Acreate%3Acustom%3AYm%5D/genomicsorgfinal_design.pdf

How are the meso-level expert organizations connected to farmers and among themselves? Comparing Rakai (Uganda) and Lushoto (Tanzania) (November 2016) Y Jha, EW Welch, R Ogwal-Omara, M Halewood, November 2016 <https://ccafs.cgiar.org/publications/how-are-meso-level-expert-organizations-connected-farmers-and-among-themselves#.WK7dkm8rJEY>.

Adoption of climate smart technologies in East Africa Findings from two surveys and participatory exercises with farmers and local experts, A Bedmar Villanueva, Y Jha, R Ogwal-Omara, EW Welch, A Seyoum Wedajoo, M Halewood, February 2016 <https://ccafs.cgiar.org/publications/influence-social-networks-adoption-climate-smart-technologies-east-africa-findings-two#.Vyih4QrJhE>.

Influence of social networks on the adoption of climate smart technologies in East Africa Findings from two surveys and participatory exercises with farmers and local experts, A Bedmar Villanueva, Y Jha, R Ogwal-Omara, EW Welch, A Seyoum Wedajoo, M Halewood, February 2016 <https://ccafs.cgiar.org/publications/adoption-climate-smart-technologies-east-africa-findings-two-surveys-and-participatory#.VyiqoQrJhE>.

Network and Non-network Survey Results as Inputs for Effective Implementation of International Treaty on Plant Genetic Resources for Food and Agriculture (2015): The Case of Cote d'Ivoire, Guatemala, Costa Rica, Uganda, Rwanda, Nepal and Bhutan (7 separate country reports; with A Seyoum, M Halewood, R Vernooy).

Flows under Stress: Availability of Plant Genetic Resources in Times of Climate and Policy Change. (July 2012) Working Paper No. 18, CGIAR Research Program on Climate Change, Agriculture and Food Security. Isabel Lopez-Noriega, Gea Galluzzi, Michael Halewood, Ronnie Vernooy, Enrico Bertacchini, Devendra Gauchan).

Transparency, Civic Engagement, and Technology Use in Local Government Agencies: Findings from a National Survey (June 2012) (with MK Feeney and M Haller).

Transparency, Civic Engagement, and Technology Use in Local Government Agencies: Findings from a National Survey (April 2011) Final Report (with MK Feeney and M Haller).

Interim Report, Emerging Markets Program: Interim Performance Report, Access and Benefit Sharing for Genetic Resources Used in US Food and Agriculture Exports, Foreign Agricultural Service, 2010.

State Policy Effects on Firm-level Simultaneous Environmental-Economic Efficiency, Center for Technology & Information Policy Working Paper, No. 98-01. Syracuse University (with SI Bretschneider).

The Role of Companies in Industrial Transformation (1999) Contributor, In P 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, S de Bruyn, P Vellinga, R 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.

Presentations & Panels

Conference and Workshop Leadership

- Chair, Special Track, Rethinking the research agenda on internationalization of the scientific workforce, STI Conference, Leiden 2018.
- Panel Organizer, Workshop on Genetic Resources for Food and Agriculture in a Changing World: Impacts on Global Science, IFPRI, Washington DC, February 15, 2017.
- Workshop Organizer, Social Network Analysis for Science Evaluation, Phoenix AZ, May 2016 (with MK Feeney and M Siciliano).
- Workshop Organizer, Capacity Building for the International Treaty on Plant Genetic Resources: Data Analysis and Social Network Training:
- Rome, Italy, May 2015 (Burkina Faso, Ivory Coast, Guatemala, Costa Rica)
 - Kampala, Uganda, May 2013 (Uganda GRPI 2 research team)
 - Kigali, Rwanda, May 2013 (Rwanda GRPI 2 research team)
 - Kathmandu, Nepal, December 2013 (Nepal and Bhutan GRPI 2 research teams)
- Workshop Organizer, Global challenges for bio-based research for agriculture and development: Assessing structures, constraints and pathways for international research collaboration in life science. Paper presented: Exchange and Use of Genetic Resources for Food and Agriculture: A summary of research findings from several papers, CIRAD, Montpellier, July 2013.
- Chair, E-Government panel, Midwest Political Science Association Conference, April 12-15, 2012, Chicago, IL.
- Panel Organizer and Presenter, United Nation's Food and Agriculture Organization (FAO), Commission on Genetic Resources for Food and Agriculture (CGRFA), 13th Regular Session, July 2011. Invited Side Event on Current Practices of Exchange and Benefit Sharing in the United States. Sponsored by USDA through a Cooperative Grant, July 20, 2011.
- Chair, Science Policy panel, American Association of Public Policy and Management, November 3-5, 2011, Washington DC.
- Program Committee, Environmental Policy: a Multinational Conference on Policy Analysis and Teaching Methods, 11-13 June, 2009 - KDI School of Public Policy and Management - Seoul, South Korea.
- Co-Chair, Liaison Committee, Digital Government Society of North America, 2006-2008
- 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.
- Co-Chair, Hawaii International Conference on System Sciences, Emerging Technologies Track, IT-enabled Democracy, 2004, 2008.
- Chair, Environmental and Development Panel. American Society for Public Administration Conference, 2002.
- 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.

Invited Presentations, Invited Workshops and Other Recognition

- Extreme weather and public transit: experiences, perceptions and actions of transit officials in the United States, Tohoku University Forum for Creativity, Tohoku University, Japan. January 20, 2021
- How scientists respond to regulation of biological materials. Arizona Biosecurity Workshop, December 5-6, 2019, Tempe, Arizona
- Access and benefit-sharing for GRFA: country practice and experiences. Results from an international survey of NFP/NC (with S Louafi). International workshop on access and benefit-sharing for genetic resources for food and agriculture, UN FAO, Rome, Italy, 10–12 January 2018
- Scoping study: potential implications of synthetic biology and genomic research trajectories for the International Treaty, Special Event on Genomics Information, International Treaty on Plant Genetic Resources for Food and Agriculture, Seventh Session of the Governing Body, Kigali Rwanda, October 28, 2017 (with T Kuiken, M Bagley and S Louafi)
- Regulatory dimensions of sharing biological materials (and data): approach and some examples, NSF/NIH Value of Data Sharing Workshop, Washington DC, Oct. 2017
- The Moving Landscape of Moving Germplasm: A Global Policy Workshop, February 15, 2017, International Food Policy Research Institute (IFPRI)
- Framing the global policy context for access to and use of genetic resources for food and agriculture research (with Selim Louafi)
 - GRFA access and use in USAID Innovation Labs: results from an international survey of scientists
- A Theoretical Perspective on Social Capital to Sustain Open Communities, Yonsei University, Seoul, South Korea, March 25 2017 (with F Fusi and S Louafi)
- Plant genetic resources and Sustainable Development Goals: needs, rights and opportunities Bellagio conference, Rockefeller Foundation Bellagio Center, Italy. Incentives and governance structures in an era of rapid change: What organizational and governance structures are needed to promote communication and benefit sharing among diverse constituencies, in keeping with the SDGs? November 29-December 2, 2016
- Diffusing global policy on the exchange and use of genetic resources: Impacts on the structure and norms of scientific research. Yenching-Harvard and SSK Conference, Implementing the International Regime: Human Rights and Environmental Protection in East Asia, April 15, 2016
- Contested Inputs for Scientific Research: Why Access to Biological Materials Is Blocked
- Chinese University of Hong Kong, September 24, 2015 (with S Louafi)
 - Hong Kong University, September 25, 2015 (with S Louafi)
- Invitation to Present Research Program, US AID June 30, 2015
- Context, objectives and examples of GRFA policy research (with S Louafi)
 - Global GRFA Policy Initiative: Evidence, Gaps, Approach and Opportunity (with S Louafi).
 - Linking food security, public agriculture research, and GRFA policy: Examples of some current research projects, USAID, June 30, 2015 (with S Louafi)
- Big Data and Policy: Promises, Challenges and Prospects, Wyoming Big Data Conference, Sheridan Wyoming, September 19, 2014
- Use of Information Technology to Enable Government Society Joint Action, Keynote Speech, Taiwan Association for Schools of Public Administration and Affairs, Tamkang University, Tamsui, Taiwan, May 25, 2014
- Examining National Survey Data to Provide Context for the UVI BUILD Proposal: Demographics, Production, Retention/Attraction and Advising. Grant Proposal Workshop, University of the Virgin Islands, January 6, 2014
- Contested Resources Inputs to Research: Material Flows and ABS Policy, Wyoming Biotechnology Conference, Sheridan Wyoming, September 19, 2013

Developing capacity to effectively implement the ITPGRFA: Research on policy network structure, actor characteristics, and coalitions, Bioversity International, GRPI 2 Workshop, Rome, July 15-19, 2013 (with A Wedajoo)

Climate, Institutional and Behavioral Determinants of Germplasm Exchange, Use, and Dissemination in Selected Countries, Bioversity International, GRPI 2 Workshop, Rome, July 15-19, 2013

Evaluating NSF EPSCoR initiatives: Tracking and Assessing Development of EPSCoR-supported Research Capacity, National Research Council, Washington D.C. December 16, 2012 (with J. Melkers)

Moving beyond the Open Systems v. Intellectual Property Systems Debate on Biodiversity-based Innovation in Agriculture: Offering a Hybrid Model and Testable Hypotheses for Research and Policy, Towards a Sustainable Bio-based Society: Aligning Scientific, Cultural and Societal Agendas for Bio-innovation Society, Amsterdam, Netherlands, December 6-7, 2012 (with S. Louafi)

Research Approach and Collaboration at CIRAD, EGV Group, CIRAD, Montpellier, France, December 2, 2012

Introduction to Social Network Analysis and Applications for Genetic Resources for Food and Agriculture, CIRAD, Montpellier, France, December 3, 2012

Underrepresented Minorities in Academic Science: The Structure and Resources of Collaborative and Career Networks, Ewha Women's University, Seoul, South Korea, August 6, 2012 (with J Melkers, M Gaughan)

Research Using Non-plant Genetic Resources for Food and Agriculture: Modeling Material Sharing Behavior, ISETS Conference, Invited Presentation, Nagoya University, Nagoya, Japan, December 10, 2011

Exchange Behavior of Scientists Using Non-Plant Genetic Resources for Food and Agriculture for Research: Findings from a National Survey, Invited Presentation, Tohoku University, Sendai, Japan, November 15, 2011

Sharing Non-Plant Genetic Resources for Food and Agriculture Research: actors, paths, and consequences, Invited Presentation, Tohoku University, Sendai, Japan, November 16, 2011

Current GRFA Exchange and Benefit Sharing Practices in the United States: Findings from a National Survey

- Senior Staff Meeting, Foreign Agricultural Service, USDA, Washington DC, June 22, 2011
- Special Presentation, Foreign Agricultural Service, USDA, Washington DC, June 22, 2011

The relationship between transparent and participative government: A study of local governments in the United States, Workshop 'Government Transparency', Utrecht University, School of Governance, Utrecht, Netherlands, November 19, 2010

Agricultural Genetic Resource Patterns and Practices of Exchange: Preliminary Findings from a Study of US Agricultural Stakeholders, Side Event, Tenth meeting of the Ad Hoc Open-ended Working Group on Access and Benefit-sharing (WG ABS 9 continued), Convention on Biodiversity, Montreal, Canada, July 2010 (with V Long)

Factors Determining the Transparency of Air Pollution Information?: Factors affecting Internet information transparency of local government, Yonsei University, Public Management Symposium, April 2010 (with S Grimmelikhuisen),

Evaluating Medical Science: The Case of the UIC Center for Clinical & Translational Science, Rathenau Institute, Netherlands, March 2010 (with M Feeney)

Women in Science & Engineering: Network Access, Participation, & Career Outcomes, Rathenau Institute, Netherlands, March 2010 (with M Feeney)

Current Benefit Sharing Practices within the Diverse Community of GRFA Users, Side Event, Ninth meeting of the Ad Hoc Open-ended Working Group on Access and Benefit-sharing (WG ABS 9), Convention on Biodiversity, Cali, Colombia, March 2010, Panel Organizer (with V Long)

Attributes, Access and Use of GRFA in the US: Preliminary Information and Methods, Foreign Agricultural Organization (UN FAO) Commission on Food and Agriculture, October 2009, Rome Italy (with V Long and M Haller)

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)

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

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

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

Voluntary Environmental Policies: Prospects for the Reduction of CO2. National Renewable Energy Laboratories, Invited Seminar, Washington, DC. February, 2002

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

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

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 and Panels (last 5 years)

Responding Strategically to Natural Hazards: The Role of Hazard Experience, Infrastructure Vulnerability, and Public Managers' Risk Perception in Agency Coordination with Stakeholders, Public Management Research Conference, 2021 (with S Yu).

The impact of extreme weather events on professional logic and organizational hybridization. Midwest Political Science Conference, April 14-17, 2021 (with M. Caldaruo).

Gendered Decision Making Styles of Public Managers: Linking Persuasive Persuasion Effort and Team Support in Public Transit Agencies. Midwest Political Science Conference, April 14-17, 2021 (with S. Islam).

Does the Configuration of Macro- and Micro-Institutional Contexts Affect Public Organization Adaptation to Extreme Events? Public Administration Review Symposium Conference Decision-Making in Public Organizations: The Continued Relevance of Administrative Behavior, December 5-6, 2020 (with F Zhang).

The Impact of Education-Job Match on Earnings and Job Satisfaction: A Comparison of STEM and Non-STEM Workers Fall 2020 APPAM Conference (with A Frandell and C Herbst).

Responding Strategically to Natural Hazards: The Role of Dependent Clients, Financial Resources, and Public Managers' Risk Perception in Agency Coordination with Stakeholders, Fall 2020 APPAM Conference (with S Yu)

How the Global Pandemic Changes Data Governance Systems: A Competing Logics Approach, Fall 2020 APPAM Conference (with M Caldarulo, S Louafi and S Camillo).

Does the Configuration of Macro- and Micro- Institutional Contexts Affect Public Organization Adaptation to Extreme Events?, Fall 2020 APPAM Conference (with F Zhang).

The Impact of Demographic Composition of Social Networks on the Perceived Inclusion in Workplace, Public Administration Review (PAR) Race and Gender Symposium at George Washington University, September 25-26, 2020 (with Heyjie Jung).

The Effect of Contracting on Organizational Communication: Evidence from US Transit Agencies, Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2019, Denver (with F Fusi and F Zhang).

The impacts of biomaterial regulations on research activity: Why some bioscientists encounter regulatory barriers more than others, Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2019, Denver (with H Choi).

Academic Research Excellence and Competitiveness (AREC): Theorizing and Operationalizing a New Research Evaluation Framework, Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2019, Denver (with J Melkers).

Effects of institutional constraints on certainty of access to biological materials: a relational approach, Atlanta Science and Technology Conference, Atlanta, 2019 (with H Jung and M Siciliano).

The Global Scientific Workforce (GTEC) Framework, Special Track, Rethinking the research agenda on internationalization of the scientific workforce, 23rd International Conference on Science and Technology Indicators, Leiden, September 2018 (with E van Holm, H Jung, J Melkers, N Robinson-Garcia, K Mamiseishvili and D Pinheiro).

From Theory to Practice: Operationalization of the GTEC Framework, Special Track, Rethinking the research agenda on internationalization of the scientific workforce, 23rd International Conference on Science and Technology Indicators, Leiden, September 2018 (with N Robinson-Garcia, E van Holm and J Melkers).

STEM Leadership in the US: Evidence of differences in access and aspiration by race, gender and foreign-born status, Midwest Political Science Conference, April 2018, Chicago (with Heyjie Jung).

Global Policy Change on the Use and Exchange of Genetic Material: Implications for Research Networks and Outcomes, American Society for Public Administration, March 2018, Denver.

Simulating Public Organization Response to Extreme Events, Association for Public Policy Analysis and Management Fall Research Conference (APPAM), November 2017, Chicago (with F Zhang and J Nelson).

A Theoretical Perspective on Social Capital to Sustain Open Communities, Academy of Management Conference, Atlanta, 2017 (with F Fusi and S Louafi).

Contested resource inputs to science: How institutional provisions on the access and use of materials and data affect research collaboration structures (a first cut), Atlanta Science and Technology Conference, Atlanta, 2017 (with M Siciliano, MK Feeney, F Fusi, G Taggart).

Decomposing Affordances of Social Media for Work: The Effect of Personal Experience and Work Context, Academy of Management Conference, Atlanta, 2017 (with P Rahmati, MB Watson-Manheim, S Jones).

Does Organizational Response Capacity Reduce Political Oversight and Participative Governance? Midwest Political Science Association (MPSA), 2017 April, Chicago (with F Zhang and J Stritch).

Network Exploration and Exploitation: Professional Network Churn and Science Production, 11th Annual Public Administration Research Conference, University of Central Florida, Orlando, FL. April 2017 (with M Siciliano and M Feeney).

What are Public Transit Agencies Doing to Manage Extreme Weather Events? Evidence from a National Survey, Transportation Research Board Annual Conference, Washington DC, January 2017 (with Q Miao, F Zhang and PS Sriraj).

Too Flexible to Intervene: Exploring Adoption of Social Media for Work, 4th International Workshop on the Changing Nature of Work (CNoW): The Impact of Digital Innovation on Work, Dublin, Ireland, December 2016 (with P Rahmati, MB Watson-Manheim, S Jones).

How Public Organizations Manage Weather Risks: A Study of U.S. Transit Agencies, Association for Public Policy and Management Annual Conference, Washington DC, November 2016 (with F Zhang, Q Miao, P.S. Sriraj).

Trust-building mechanisms in global complex research collaborations Case study analysis of global agriculture initiatives for knowledge based genomics innovation, Trust & Regulatory Governance - 2016 ECPR Regulatory Governance Conference, Tilburg, July 2016 (with S Louafi, F Fusi and A Meter).

Designing social capital in virtual open systems in science, Science of Team Science Conference, Phoenix AZ, May 2016 (with F Fusi and S Louafi).

Avoidance, compliance, and social networks: How scientists navigate policy regulations, Midwest Political Science Conference, Chicago IL, April 2016 (with G Taggart, MK Feeney and M Siciliano).

Tackling extreme weather: What public transit agencies are doing? Urban Affairs Association Conference, March 17, 2016 (with Q Miao, F Zhang and PS Sriraj).

Contested Inputs for Scientific Research: Why Access to Biological Materials Is Blocked, Atlanta S&T Conference, September 17, 2015 (with S Louafi).

Analysis of Decisions Related to Extreme Weather: A Decision Tool for the Specific Case of Transit Station Canopy Investment; Transportation Research Board Conference on Surface Transportation System Resilience to Climate Change and Extreme Weather Events Abstract Status, September 16, 2015 (with PS Sriraj and YA Chou).

Organizational Use of Social Media: CCIT Survey Project, Association of Internet Research (AoIR), October 2015, Phoenix, AZ.

Global Policy Networks Structures and Resource Flows: How International Organizations Engage National Policy Actors in Developing Countries, Public Management Research Conference, June 2015 (with MJ Lee and A Seyoum).

The Double-Bind: Variation in Networks at the Interaction of Race and Gender in STEM. AAAS Annual Meeting, San Jose, CA, February 14, 2015 (with J Melkers and M Gaughan).

How Collaboration Networks Matter in the Careers of Academic Scientists? An Empirical Study on Chinese Academic Scientists in the US. Association for Public Policy and Management, Albuquerque, NM, November 2014 (with Y Wu).

The equity dimension of global commons: the example of the Global benefit sharing Funds of the International Treaty of Plant Genetic Resources, International Association of Studies of the Commons (IASC), September, 2014, New York City.

Multi-level Factors Influencing Exclusive Sharing of Genetic Materials among US Agricultural Scientists. Public Management Research Conference (PMRC), June, 2014, Seoul, South Korea (with E Shin).

Contested Inputs for Scientific Research: Why Access to Biological Materials Is Blocked, April 2014, Midwest Political Science Conference, Chicago, IL (with S Louafi).

Modeling the Transparency of Local Government Websites: A Comparison of Managerial Perceptions with the Actual Website Content, April 2014, Midwest Political Science Conference, Chicago, IL (with N Yavuz).

Personal Network Dynamics, Gender, and Career Trajectories in Academic Science and Engineering, Sunbelt Social Networks Conference, February 2014, St. Petersburg, FL (with M Siciliano).

The effects of social isolation and social contagion on survey nonresponse in a panel network study, Sunbelt Social Networks Conference, February 2014, St. Petersburg, FL (with MH Li and K Kim).

Trading off Use Restrictions and Benefit-Sharing for Genetic Materials for Food and Agriculture with an Emphasis on Upfront Payments, 53rd Annual Conference of GEWISOLA, September 25-27, 2013, Humboldt University, Berlin (with A Seyoum).

Gender, Race and Network Effects on Organizational Self-Perceived Influence among Academic Scientists in U.S. Institutions, Atlanta Science and Innovation Policy Conference, September 2013 (with M Parker).

Factors Affecting Citizen Website Use in E-Government Context: A Comparison of Male and Female Users, GLOBELICS International Conference, September 11-13, 2013 (with N Yavuz).

The Paradox of Social Media: Risks for the Public Sector, PAT-NET 2013 Conference, San Francisco, June 2013 (with G de Oliveira)

Human Capital & Social Capital Determinants of in Translational Activity, Science of Team Science Conference, June 24, 2013, Evanston, IL (with K Kim)

Technology-task coupling: An exploration of how social media use is related to perceptions of e-government outcomes, Public Management Research Conference, June 2013, Madison, WI (with MK Feeney).

Technical, Managerial, and Institutional Correlates of Data Sharing in Local Government, Public Management Research Conference, June 2013, Madison, WI (with MK Feeney).

Local Evidence for Global Biodiversity Policy: A Linkage between Ecological Systems and Social Exchange Patterns of Genetic Materials in a US Agricultural Research Community, Midwest Political Science Conference, April 2013 (with EJ Shin).

Factors Affecting Citizen Website Use in E-Government Context: A Comparison of Male and Female Users, Midwest Political Science Conference, April 2013 (with N Yavuz).

Beauty or Beast? Evaluation of Science in an Age of Accountability. AAAS Annual Meeting, Boston, MA, February 16, 2013 (with J Melkers).

Explaining Institutional Effects on Research Performance via Material-Sharing: A Path Analysis of Non-Plant Genetic Research, Association of Public Policy and Management, November 2012 (with Eunjung Shin).

Individual and Institutional Factors Affecting the Licensing of University Inventions, Association of Public Policy and Management, November 2012 (with Yonghong Wu and Wan-Ling Huang).

Explaining institutional effects on research performance via material-sharing: A path analysis of non-plant genetic research, Gordon Research Seminar, August 2012 (with Eunjung Shin).

Exchange of Non-plant Genetic Resources for Scientific Research at both Domestic and Global Levels, Gordon Research Conference, August 2012 (with Eunjung Shin).

Decisions to Engage in Innovative Activities by Academic Scientists and Engineers, Academy of Management National Conference, August 2012 (with Wan-Ling Huang).

Integrating a Revised Competing Values Framework to Identify Perceived Values of Certified Environmental Management Systems Firms in Japan and the United States, Public Value Consortium Biennial Workshop, University of Illinois at Chicago, June 2012 (with Eunjung Shin).

The Effects of Network Structural Holes on Patent Activities of U.S. Academic Scientists and Engineers, Midwest Political Science Conference, April 2012, Chicago, IL (with Meng-Hao Li and Wan-Ling Huang).

Factors Affecting Openness of Local Government Websites: Examining the Differences across Planning, Finance and Police Departments, Midwest Political Science Conference, April 2012, Chicago, IL (with N Yavuz).

Commercial Activity of Academic Scientists: Reasons Why Faculty Work with Companies to Further Develop Commercializable Products, Midwest Political Science Conference, April 2012, Chicago, IL (with N Aydemir).

Antecedents of Structural Advantage in Ego Centric Networks in Academic Science, INSNA Sunbelt Social Network Conference, March 12-18, 2012 (with Y Jha).

Egocentric Survey Based Network Analysis to Assess Collaboration Patterns among Translational Researchers at NIH Funded Clinical and Translational Science Centers, INSNA Sunbelt Social Network Conference, March 12-18, 2012 (with M Haller).

Underrepresented Minorities in Academic Science: The Structure and Resources of Collaborative and Career Networks, AAAS, Annual Conference, Vancouver BC, February, 2012 (with J Melkers, M Gaughan, D Pinheiro, M Haller).

Empirical Research: Breaking through the Reputational Ceiling: Professional Networks as a Determinant of Advancement, Mobility, and Career Outcomes for Women and Minorities in STEM, Annual NSF Project PI Meeting, Washington, DC, October 20-21, 2011 (with J Melkers and M Gaughan).

Explaining Information Security Outcomes of Online Government through Lenses of Technical, Organizational and Environmental Complexity. American Association of Public Policy and Management, November 3-5, 2011, Washington DC (with EJ Shin).

The Effects of ICT-mediated Citizen Participation on E-governance Performance: Do Technology Level and Approach Matter? Annual Conference of the Chinese Society of Public Administration, National Chengchi University, Taipei, Taiwan, November 19, 2011.

The Role of Professional Network Structure, Science Ability and Individual Characteristics in Predicting Attainment of US Academic Leadership Positions. American Association of Public Policy and Management, November 3-5, 2011, Washington DC (with M Parker).

Using Survey-based Social network Analysis to Establish and Evaluation Baseline and Detect Short-term Outcomes of a Clinical and Translational Science Center, American Evaluation Association, Anaheim, CA, November 2-5, 2011 (with M Haller).

Beyond Telling Their Stories: The Added Value of Qualitative Research to CTSA Evaluation. American Evaluation Association, Anaheim, CA, November 2-5, 2011 (with N Bates, T Johnson, J Hyink, MK Feeney, M Haller, L Owens, and P Nasa).

Developing Collaborative Capacity: Blending Bibliometric and Social Network Analysis, Atlanta Conference on Science and Innovation Policy, September 15-17, 2011 (with J Melkers).

Hierarchy within Informal Networks as Predictors of Productive Outcomes in Academic Science, Public Management Research Conference, June 2-4, 2011 (with Y Jha).

The Effects of Proactive Applications of ICTs on E-Governance Performance, Public Management Research Conference, June 2-4, 2011 (with MJ Moon).

E-Government and Perceived Outcomes for Local Government Managers, XV IRSPM Conference Value, Innovation and Partnership 11th – 13th April 2011 (with MK Feeney).

Leadership in Science and Engineering: Differences and Predictions across Disciplines, Rank and Gender (with M Parker).

- Atlanta Conference on Science and Innovation Policy, September 15-17, 2011
- Midwest Political Science Association Conference, April 2011
- Public Administration Research Symposium, March 2011

Gender Disparity in Academic Science: A Study of the Determinants of Salary and Satisfaction with Rewards (with Y Jha).

- Midwest Political Science Association Conference, April 2011
- Public Administration Research Symposium, March 2011

The Relationship between Transparent and Participative Government: A Study of Local Governments in the United States, Midwest Political Science Association Conference, April 2011.

Technical and Social Determinants of Information Security in Local E-government, Public Administration Research Symposium, March 2011 (with EJ Shin and L Bowman).

Bridges and Barriers to Nurturing Interdisciplinary Research: Evaluating the Social Networks of Integrative Graduate Education and Research Trainees and Their Comparative Peers Over

- Time, Presentation, American Evaluation Conference, San Antonio, Texas, November 12, 2010 (with M Haller).
- Factors Affecting Scientists' Attitudes towards University Patenting? The Society for Social Studies of Science's 35th Annual Meeting, Tokyo, Japan. August 25-29, 2010 (with WL Huang).
- Customer Loyalty and the CTA Bus: Results from the 2008 CTA Customer Satisfaction Survey, Transportation Research Board, Washington DC, 2011 (with S Figler, PS Sriraj, and N Yavuz).
- Collaborative and Career Development Social Networks of Women and Men in Academic Science: Are They Different? American Association for the Advancement of Science, February 2010, San Diego California (with J Melkers).
- Measuring and Assessing Perceptions of Success in a Transit Agency Stakeholder Involvement Program Transportation Research Board Conference 2010, Washington DC (with M Mattingly and PS Sriraj).
- Relational Mechanisms Governing Multifaceted Collaborative Behavior of Academic Scientists in Six Fields of Science and Engineering, Atlanta Science and Technology Conference 2009, Atlanta Georgia (with Y Jha).
- The Effect of Slow Zones on Ridership: An Analysis of the Chicago "El" Blue, Transit Chicago, June 2010, Chicago, Illinois (with MG Bernal and PS Sriraj).
- Realized publicness at public and private research universities, Public Management Research Conference 2009, Columbus, Ohio (with MK Feeney).
- The Effects of Network and Non Network Resources on Work Satisfaction of Academic Scientists in Six Fields of Science and Engineering, Midwest Political Science Conference 2010, Chicago Illinois (with Y Jha).
- 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. Symposium on Resilience Planning, November, 2008; 39th Annual Meeting of the Urban Affairs Association, March 2009; 50th Anniversary ACSP Conference, October 2009 (with C Hoch and M Zellner).
- 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 EA Corley).
- Barriers and Motivators for the Adoption of Public Sector Environmental Management Systems, Western Social Science Association Conference, April 2009 (with J Wang and EA Corley).
- Explaining Differences in the Quality and Effectiveness of Environmental Management Systems in Public Organizations: The Experience of Public Sewage and Wastewater Treatment Facility Operators in the United States." Midwest Political Science Association Conference, April 2009 (with B Jimenez, Benedict and EA 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 MK 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 SK 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 SK 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 PS Sriraj).

Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (2007), HICSS-39 IEEE Conference (with SK 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 K Johns and K Khovanova).

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

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 (with MJ Moon).

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 (with S Mettler).

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 FJ 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 and M Aoyagi).

Relationships between ISO 14001 Certification and Environmental Performance of Enterprises. Society of Environmental Science. Toyohashi, Japan. October, 1999 (with Y Mori and 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 and 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 MJ 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 SI 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 SI 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 SI Bretschneider, & J Rohrbaugh).

Courses Taught

Organization Theory and Behavior Seminar (PhD Level); Advanced Public Policy Seminar (PhD Level); Research Methods (PhD Level); Seminar in Network Theory and Research (PhD Level); Environmental Policy and Management; Science and Technology Policy Seminar (PhD Level); Technology and Innovation Theory Seminar (PhD Level); Business, Government & the Environment; Science, Technology & Environment; Computer Applications in Public Administration; Electronic Government; Bureaucracy & the Policy Process Seminar (PhD Level); Electronic Government; Public Decision Making; Organization Theory & Public Management; Intergovernmental Management; Internship and Professional Development Course; Public Administration Capstone; MPA Statistics I

Postdoctoral Advisees

Eric Van Holm, 2017-2019, ASU, Assistant Professor, Department of Political Science, University of New Orleans

Qing Miao, 2015-2017, ASU, Assistant Professor, Department of Public Policy, Rochester Institute of Technology

Aseffa Seyoum Wedajoo, 2013-2015, ASU/UIC, Assistant Professor, Center for Environment and Development, Addis Ababa University, Ethiopia

Myung Jin Lee, 2012-2014, UIC, Senior Lecturer, Department of Administrative Studies and Politics, Malaya University, Malaysia

Bronco Ponomarev, 2006-2008, UIC, Associate Professor, College of Public Policy, University of Texas San Antonio

Theses & Dissertations

Hubeidatu Nuhu, PhD Dissertation, External Member, University Cape Town, South Africa, 2022
Heyjie Jung, PhD, Chair, ASU School of Public Affairs, 2022
Suyang Yu, PhD, Chair, ASU School of Public Affairs, 2022
Mattia Caldarulo, PhD, Chair, ASU School of Public Affairs, 2022
Ashlee Frandell, PhD, Chair, ASU School of Public Affairs, 2022
Fengxiu Zhang, PhD, Chair, ASU School of Public Affairs, 2020, Assistant Professor, George Mason University.
Leonor Camerera, PhD, Committee Member, ASU School of Public Affairs, 2020, Assistant Professor, Rutgers University.
Gustavo d'Oliveira, PhD, Chair, UIC Department of Public Administration, 2019, Brazilian Department of State.
Federica Fusi, PhD, Committee member, ASU School of Public Affairs, 2018, Assistant Professor, University of Illinois at Chicago.
Sang Eun Lee, PhD, Chair, ASU School of Public Affairs, 2017, Lecturer, Arizona State University, Hainan China Campus.
Gabel Taggert, PhD, Chair, ASU, School of Public Affairs, 2017, Assistant Professor, University of Wyoming.
Rashmi Krishnamurthy, PhD, Chair, ASU School of Public Affairs, 2016; Postdoctoral Scholar, Smith School of Business, Queens University, Canada.
Marla Parker, PhD, Chair, UIC Public Administration, 2014; Postdoctoral Fellow, School of Public Affairs, Arizona State University; Assistant Professor, California State University Los Angeles.
Eunjung Shin, PhD, Chair, UIC Public Administration, 2013; Research Fellow, Science, Technology and Environment Policy Institute (STEPI), Korea.
Yamini Jha, PhD, Chair, UIC Public Administration, 2013, Lecturer, Information & Decision Sciences, Valparaiso University, Indiana.
Agrita Kiopa, PhD, Committee Member, Georgia Institute of Technology Public Policy, 2013; Director of the Higher Education, Science and Innovation Department at Ministry of Education and Science of Latvia.
Wan-Ling Huang, PhD, Chair, UIC Public Administration, 2011; Associate Professor, Department of Public Administration and Policy, National Taipei University, Taiwan
Nilay Yavuz, PhD, Chair, UIC Public Administration, 2010; Associate Professor, Department of Political Science and Public Administration, Middle East Technical University, Turkey.
Kimberly Johns, PhD, Committee Member, UIC Public Administration, 2009, World Bank, Senior Public Sector Specialist.
Megan Haller, PhD, Chair, UIC Public Administration, 2008
Joanne Howard, PhD, Committee Member, UIC Public Administration, 2006; Clinical Assistant Professor of Public Administration, Stuart School of Business, Illinois Institute of Technology
Chen Huei-Yuan, PhD, Committee Member, UIC Public Administration, 2004; Associate Professor, Department of Administrative Management, Chinese Culture University, Taiwan.
Debra Mir, PhD, External Committee Member, UIC Urban Policy and Planning, 2003
Megan Mattingly, Master Thesis, Committee Member, UIC Urban Policy and Planning, 2009
Tanushri Swarup, Master Thesis, Committee Member, UIC Urban Policy and Planning, 2008;

Journal, Grant & Conference Review Activity

Journals Reviews

Scientometrics; Journal of Information Technology & Politics; Information Economics and Policy; Journal of Applied Communication Research; New Media and Society Journal; International Journal of Digital Earth; Government Information Quarterly; Ecological Economics; Lake & Reservoir Management; Greener Management International; Journal of Environmental Planning & Management; Journal of Environmental Management; Energy Policy; Journal of Technology and Society; PLOS ONE; Journal of Technology Transfer; Journal of Animal Breeding and Genetics; CABI Agriculture and Bioscience Journal; Research Policy; Journal of Leadership & Organization Studies; Journal of Public Policy and Management; Policy Studies Journal; Public Administration Review; Journal of Public Administration Research & Theory; International Review of Public Administration; State and Local Government Review; Administration and Society; International Review of Administrative Sciences; Public Administration; Review of Public Personnel Administration; Governance; International Public Management Journal; Journal of Productivity Management; OMEGA, International Review of Management Science; International Public Management Journal; Social Science Quarterly; Organization Studies; Human Ecology Review; Public Opinion Quarterly; National Tax Journal

Conference Committees and Review Panels

International Conference on Scientometrics and Infometrics; Public Management Research Conference; Digital Government Organization Conference; Academy of Management Annual Conference; Hawaiian International Conference on System Sciences; Atlanta Science and Technology Conference

Grant Reviews and Panels

US National Science Foundation; Trans-Atlantic Platform (T-AP) for Social Sciences and Humanities, Canadian Social Science and Humanities Research Council; Belgian Science Policy Office; Netherlands Organization for Scientific Research; European Science Foundation

Media & Science Communication

Survey of scientists shows women and young academics suffered most during pandemic and may face long term career consequences. *The Conversation*, December 16, 2021 (with L Michalegko, T Johnson and MK Feeney, SciOPS Project). <https://theconversation.com/surveys-of-scientists-show-women-and-young-academics-suffered-most-during-pandemic-and-may-face-long-term-career-consequences-173321>

What Ph.D.s Can Learn About Talking With Reporters (Rick Weiss Author, Data from SciOPS project), *Chronicle of Higher Education*, May 19, 2021 <https://www.chronicle.com/article/what-ph-d-s-can-learn-about-talking-with-reporters?>

SciOPS Gives us a Look into Scientists Minds, ASU Now, January 24, 2021, 2021, <https://publicservice.asu.edu/content/sciops-gives-us-look-scientists-minds>

SciOPS Gives us a Look into Scientists Minds, ASU Big Media, February 9, 2021, <https://azbigmedia.com/business/sciops-gives-us-a-look-into-scientists-minds/>

Science Opinion Panel Survey, ASU WATTS College story, July 24, 2020, <https://spa.asu.edu/content/asu-research-centers-new-website-helps-bridge-gap-between-science-and-scientists-and-public>.

Extreme Weather and Transit: A US Survey of Transit Experiences, Challenges and Approaches to Extreme Weather Events, Lead Article, American Association of State Highway and Transportation Officials (AASHTO), Resilient and Sustainable Transportation Systems Newsletter, December 2016.