

CURRICULUM VITAE

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EDUCATION

Ph.D. Public Administration (1997), The Maxwell School of Citizenship and Public Affairs, Syracuse University
M.A. International Studies (1991) University of Oregon
M.A. Asian Studies (1991) University of Oregon
B.A. History (1985) University of Washington; extensive coursework in biology

PROFESSIONAL EXPERIENCE

Current Positions

Professor, School of Public Affairs, Arizona State University (ASU), 2014-
Director, Center for Science, Technology and Environment Policy Studies, ASU, 2014- (<http://csteps.asu.edu>)
Senior Fellow, Swette Center for Sustainable Food Systems, ASU
Senior Sustainability Scientist, School of Sustainability, ASU
Affiliate, School for the Future of Innovation Studies, ASU

Prior Positions

PhD Director, School of Public Affairs, Arizona State University, 2015-2017
Associate Professor, Department of Public Administration, University of Illinois at Chicago (UIC), 2005-2014
Director, Science, Technology and Environment Policy Lab, UIC, 2008-2014
Agropolis Foundation Research Fellow, CIRAD, Montpellier, France 2012-2014
Research Fellow, Japan Society for the Promotion of Science, National Institute of Environmental Studies, Ministry of the Environment, Japan, 2009
Director of Graduate Studies, Department of Public Administration, UIC, 2004-2006
Assistant Professor, Department of Public Administration, UIC, 1998-2005
Faculty Scholar, Great Cities Institute, UIC, 2003-2004
Research Fellow, Science the Technology Association, National Institute of Environmental Studies, Ministry of the Environment, Japan, 1998-1999
Postdoctoral Fellow, Center for Technology & Information Policy, Syracuse University, 1997-1998

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

Research Fellow, Young Scientists Summer Program (YSSP), International
Institute of Applied Systems Analysis, Laxemburg, Austria, 1996

International Technology Management Consultant, Rubicon International,
1990-1993

Research Areas

Science & Technology Policy; Genetic Resources Policy; Environment Policy; Social
Network Analysis; Scientific Workforce Policy; Public Management; Electronic
Government; R&D Evaluation; Transportation Behavior & Management

FUNDED RESEARCH

Evaluation of Kansas EPSCoR, Microbiomes of Aquatic habitats, Plants, and Soils (MAPS), PI,
2017-2022.

Connecting Nuances of Foreign Status, Professional Networks, and Higher Education,
National Science Foundation, DGE #1661206, PI 2017-2020.

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,
2017-2021.

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.

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, 2017-2021.

Science and Engineering Workforce Panel Opinion Survey (SciOPS), Establish a panel study
of scientists, engineers, and technology innovators that can rapidly provide high-
quality survey data on important science policy and society topics, ASU sponsored, PI,
2016-2018.

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 (GCDT), 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 ABS 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.

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 Faculty Scholar.

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 Environmental Agency, Global Environmental Research Fund, 2000-2003, Co-PI.

BIBLIOGRAPHY

Refereed Journal Articles

- Navigating the labyrinth: Academic scientists' responses to new regulatory controls on biological material inputs to research (2019) *Environmental Science and Policy*, 101:136-146 (with G Taggart, MK Feeney and M Siciliano).
- Extreme Weather, Bus Ridership and Moderating Effect of Transit Infrastructure (2019) *Journal of Transport Geography*, 74:125-133 (with Q Miao and PS Sriraj).
- Collaboration Networks and Productivity of Academic Scientists: Comparing China-born and US-born Academic Scientists in the US (2019) *Science and Public Policy*, 46(2): 310-320 (with E van Holm and Y Wu).
- Barriers and facilitators of access to biological material for international research: the role of institutions and networks (2019) *Science and Public Policy*, 46(2): 275-289 (with F Fusi and M Siciliano).
- What Drives Public Transit Organizations to Adapt to Extreme Weather? (2018) *Journal of Environmental Management*, 225, 252-260 (with Q Miao, F Zhang, PS Sriraj).
- Through the storm: Transit agency management in response to climate change (2018), *Transportation Research D: Environment*, 63, 421-432 (with Q Miao, MK Feeney, F Zhang and PS Sriraj).
- Public Organization Adaptation to Regularized Extreme Events: Mediating Role of Risk Perception (2018) *Journal of Public Administration Research and Theory*, 28(3), 371-387 (with F Zhang and Q Miao).
- Building genomics initiatives and enabling data sharing: Insights from a multiple case studies (2018) *OMICS: A Journal of Integrative Biology* (with F Fusi, D Manzella and S Louafi).
- Differential Social Network Effects on Scholarly Productivity: An Intersectional Analysis (2018), *Science, Technology and Human Values*, 43 (3): 570-599 (with M Gaughan and J Melkers).
- Plant genetic resources for food and agriculture: opportunities and challenges emerging from the science and information technology revolution (2018) *New Phytologist*, 217: 1407-1419 (with M Halewood, T Chirugwi, R Sackville Hamilton, B Kurtz, E Marden, E Welch, F Michels, J Mozafari, M Sabran, N Patron, P Kersey, R Bastow, S Dorius, S Dias, S McCouch, and W Powell).
- Network Exploration and Exploitation: Professional Network Churn and Science Production (2018), *Social Networks*, 52: 167-179 (with M Siciliano and MK Feeney).
- Genetic Resource Policies in International Collaborative Research for Food and Agriculture: A Study of USAID-Funded Innovation Lab (2017) *Global Food Security*, 15: 33-42 (with F Fusi, S Louafi and M Siciliano).
- Human & Social Capital Determinants of Translational Activity in Medical Sciences (2017) *Science and Public Policy*, 44(5) 609-619 (with KW Kim and T Johnson).
- Implementation of the Nagoya Protocol for the Research Sector: Experiences and Challenges (2017) *International Environmental Agreements: Politics, Law and Economics*, 17(5) 607-621 (with G Singh and S Louafi).
- Financial Sustainability of Biobanks: From theory to practice (2017) *Biobanking and Biopreservation*, 15(2): 85-92 (with Martin Yuille, Luke Georghiou, Philippe Laredo and Irwin Feller).

- Strategic Decision Making for the Triple Bottom Line, (2016) *Business Strategy and the Environment*, 25(3): 193-204 (with A McWilliams, A Parhankangas, J Coupet, and D Barnum).
- Network and perceptual determinants of satisfaction among science and engineering faculty in US Research I universities (2016) *Technology Transfer Journal*, 41(2), 290-328 (with Y Jha).
- Socio-technical Determinants of Information Security Perceptions in US Local Governments (2016) *International Journal of Electronic Government Research (IJEGR)*, 12(3): 1-20 (with EJ Shin).
- Determinants of Data Sharing in US City Governments (2016) *Government Information Quarterly*, 33, 939-403 (with MK Feeney and CH Park).
- An Integrative Theory-Driven Framework for Evaluating Travel Training Programs (2016) *Evaluation and Program Planning*, 59: 7-20 (with CH Park and PS Sriraj).
- The Effect of Slow Zones on Ridership: An Analysis of the Chicago “El” Blue Line. (2016) *Transportation Research Part A: Policy and Practice*, 87: 11-21 (with MG Bernal and PS Sriraj).
- Technology-task coupling: Exploring social media use is related to perceptions of e-government outcomes (2016) *American Review of Public Administration*, 46(2): 162-179 (with MK Feeney).
- Ex-post* Use Restriction and Benefit-Sharing provisions on Access to Non-Plant Genetic Materials for public research (2015) *Applied Economic Perspectives and Policy*, 37(4): 667-691 (with A Seyoum).
- Commercialization of University Inventions: Individual and Institutional Factors Affecting the Near-Term Licensing of University Patents (2015) *Technovation*, 36-37: 12-25, (with Y Wu and WL Huang).
- Methods for identifying translational researchers and scientists (2014) *Evaluation & the Health Professions*, 37(1): 3-18 (with MK Feeney and T Johnson).
- Impact of Genetic Drift on Access and Benefit Sharing under the Nagoya Protocol: The Case of Meishan Pigs Imported into the US. (2014). *Journal of Animal Science*, 92: 1405-1411 (with H. Blackburn, Y. Plante, S. Paiva).
- Structural and Cognitive Determinants of Entrepreneurship: The Role of Networks and Heuristics in Grant Seeking Behavior and Grant Success of Scientists in Six Fields (2014) *Entrepreneurship Theory and Practice*, 38(4): 713-979 (with M Haller).
- Academic Outcomes among Principal Investigators, Co-Principal Investigators, and non-PI Researchers (2014) *Journal of Technology Transfer*, 39(1): 111-133 (with MK Feeney).
- Public Sector Voluntary Initiatives: The Adoption of the Environmental Management System by Public Waste Water Treatment Facilities in the United States (2014) *Journal of Environmental Planning and Management*, 57(10): 1531-1551 (with WL Huang and E Corley).
- Technology in government: How organizational culture mediates information and communication technology outcomes (2014) *Government Information Quarterly*, 31(4): 506-512 (with MK Feeney).
- Factors Affecting Openness of Local Government Websites: Examining the Differences across Planning, Finance and Police Departments (2014) *Government Information Quarterly*, 31(4): 574-583 (with N Yavuz).

- Social Media Use in Local Government: Linkage of Technology, Task, and Organizational Context (2013) *Government Information Quarterly*, 30(4): 397-405 (with G de Oliveira).
- How climate and policy changes affect the use of plant genetic resources: the experience of the Centres of the Consultative Group on International Agricultural Research, (2013) *Resources*, 2(3): 231-269 (with I López Noriega, M Halewood, G Galluzzi, R Vernooy, E Bertacchini, and D Gauchan).
- Potential Effects of the Nagoya Protocol on the Exchange of Non-plant Genetic Resources for Scientific Research: Actors, Paths, & Consequences (2013) *Ecological Economics*, 86: 136-147 (with EJ Shin and JV Long).
- Professional Networks, Science Ability, and Gender Determinants of Three Types of Leadership in Academic Science and Engineering (2013) *Leadership Quarterly*, 24(2): 332-348 (with M Parker).
- Electronic Participation Technologies and Perceived Outcomes for Local Government Managers (2012) *Public Management Review*, 14(6): 815-833 (with MK Feeney).
- The relationship between transparent and participative government: A study of local governments in the United States (2012) *International Review of Administrative Sciences*, 78(1): 93-115.
- Developing and Testing a Theoretical Framework for Computer Mediated Transparency of Local Governments (2012), *Public Administration Review*, 72(4): 562-571 (with S Grimmelikhuisen).
- Realized Publicness at Public and Private Research Universities (2012) *Public Administration Review*, 72(2): 272-284 (with MK Feeney).
- Individual and Organizational Determinants of Patent Production of Academic Scientists and Engineers in the United States (2011) *Science and Public Policy*, 38(6): 463-479 (with MK Feeney and WL Huang).
- Customer Loyalty and the CTA Bus: Results from the 2008 CTA Customer Satisfaction Survey (2011) *Transportation Research Record, Journal of the Transportation Research Board*, 2216: 148-156 (with S Figler, PS Sriraj, and N Yavuz).
- Measuring and Assessing Perceptions of Success in a Transit Agency Stakeholder Involvement Program (2010) *Transportation Research Record, Journal of the Transportation Research Board*, 2174: 89-98 (with M Mattingly, PS Sriraj, and B Bojraj).
- Addressing Fear of Crime in Public Space: Gender Differences in Reaction to Safety Measures in Train Transit (2010) *Urban Studies*, 47(12): 2491-2515. (with N Yavuz).
- Relational Mechanisms Governing Multifaceted Collaborative Behavior of Academic Scientists in Six Fields of Science and Engineering (2010) *Research Policy*, 39(9): 1174-1184 (with Y Jha).
- Assessing the Outcomes of Student Involvement in Research: Educational Outcomes in an Engineering Research Center (2009) *Research Evaluation*, 18(4): 313-322 (with B Ponomariov and J Melkers).
- Joint Environmental and Cost Efficiency Analysis of Electricity Generation (2009) *Ecological Economics*, 68(8-9): 2336-2343 (with D Barnum).
- End User Acceptance of Alternative Fuel Vehicles in Du Page County, Illinois (2009) *Environmental Behavior*, 41(3): 402-426 (with K Khovanova and K Johns).

- Emergent Management Strategies in a Public Agency: A Case Study of Alternative Fuel Vehicles (2009) *Public Organization Review*, 9(3): 213-234 (with B Jacob and T Simms).
- The ISO 14001 Environmental Management Standard in Japan: Results from a National Survey of Facilities in Four Industries (2008) *Journal of Environmental Planning and Management*, 51(3): 421-445 (with Y Mori).
- Certification of ISO 14001 on Small and Medium-sized Firms: Incentives and Reduction Targets (2007) *Kankyo Kagaku Kaishi* (Environmental Science Journal, in Japanese), 20(2): 87-94 (with Y Mori).
- Individual and Neighborhood Determinants of Perceptions of Bus and Train Safety in Chicago: An Application of Hierarchical Linear Modeling (2007) *Transportation Research Record, Journal of the Transportation Research Board*, 2034: 19-26 (with N Yavuz and PS Sriraj).
- Economic Costs and Environmental Impacts of Alternative Fuel Vehicle Fleets in Local Government: An Interim Assessment (2007) *Transportation Research Part D, Transport and Environment*, 12: 219-230 (with MK Haller, S Fulla, and J Lin).
- Intranet Technology and Red Tape: Interactive Effects of Online Information Quality, Technology Implementation and Excessive Bureaucratization (2007) *Journal of Public Administration Research and Theory*, 17(3): 379-404 (with SK Pandey).
- Linking Citizen Satisfaction with e-Government with Trust in Government (2005), *Journal of Public Administration Research and Theory*, 15(3): 371-391 (with C Hinnant and MJ Moon).
- Virtual Interactivity between Government and Citizens: The Chicago Police Department's Citizen ICAM Application Demonstration Case (2005) *Political Communication*, 22(2): 215-236 (with S Fulla).
- Same Bed, Different Dreams?: A Comparative Analysis of Citizen and Bureaucrat Perspectives on E-government (2005), *Review of Public Personnel Administration*, 25: 243-264 (with MJ Moon).
- The Effects of Ozone Action Day Public Advisories on Train Ridership in Chicago. (2005) *Transportation Research. Part D, Transport and Environment*, 10(6): 445-458 (with G Gu and L Kramer).
- Effects of Environmental Management Tools Including ISO 14001 on Emission Control in Facilities (2005) *Kankyo Kagaku Kaishi* (Environmental Science Journal, in Japanese), 18(3): 277-289 (with Y Mori and S Yoshida).
- Beyond Stereotypes: A Multistage Model of Managerial Perceptions of Red Tape (2005), *Administration and Society* 37: 542-575 (with SK Pandey).
- Policy Feedback and Political Participation: Effects of the G.I. Bill for World War II Veterans over the Life Course (2004), *British Journal of Political Science*, 34: 497-518 (with S Mettler).
- Does E-Government Promote Accountability? A Comparative Analysis of Website Openness and Government Accountability in Fourteen Countries (2004) *Governance*, 17(2): 275-298 (with W Wong).
- Promises and Pitfalls of ISO 14001 for Competitiveness and Sustainability: A Comparison of Japan and the United States (2004), *Greener Management International: The Journal of Corporate Environmental Strategy and Practice*, 44: 59-73 (with A Rana and Y Mori).

- An Institutional Framework for Analysis of Voluntary Policy: The Case of Voluntary Pollution Prevention Agreements in Kita Kyushu, Japan (2003), *Journal of Environmental Planning and Management*, 46(4): 523-543 (with A Hibiki).
- Japanese Voluntary Environmental Agreements: Bargaining Power and Reciprocity as Contributors to Effectiveness (2002), *Policy Sciences*, 35(4): 401-424 (with A Hibiki).
- Voluntary Adoption of ISO 14001 in Japan: Mechanisms, Stages, and Effects (2002), *Business Strategy and the Environment*, 10(1): 43-62 (with Y Mori and M Aoyagi).
- Global Information Technology Pressure and Government Accountability: The Mediating Effect of Domestic Context on Web Site Openness (2001), *Journal of Public Administration Research & Theory*, 11(4): 509-538 (with W Wong).
- Determinants of Farmer Behavior: Adoption of and Compliance with Best Management Practices for Non-point Source Pollution in the Skaneateles Lake Watershed (2001), *Lake & Reservoir Management*, 17(3): 233-245 (with F Marc-Aurele).
- Effects of Global Pressures on Public Bureaucracy: Modeling a New Theoretical Framework (2001), *Administration & Society*, 32(5): 371-402 (with W Wong).
- Managerial Adaptation through the Market in the Public Sector: Theoretical Framework and Four Models (2000), *International Review of Public Administration*, 5(2): 129-141 (with MJ Moon).
- Voluntary Behavior of Electric Utilities: Contribution of the Climate Challenge Program to the Reduction of CO₂ (2000), *Journal of Policy Analysis & Management*, 19(3): 407-425 (with A Mazur & SI Bretschneider).
- The Geography of American Environmentalism (1999), *Environmental Science & Policy*, 2: 389-396 (with A Mazur).
- Implementation of Environmental Policy in Katowice, Poland: Is There Cause for Concern?" (1999), *International Journal of Environmental Studies* 56: 259-284.
- Public Administration in a Global Context: Bridging the Gaps of Theory and Practice between Western and Non-Western Nations (1998), *Public Administration Review*, 58(1): 40-49 (with W Wong).
- Accuracy of Judgmental Extrapolation of Time Series Data: Characteristics, Causes, and Remediation Strategies for Forecasting (1998), *The International Journal of Forecasting*, 14: 95-110 (with SI Bretschneider and J Rohrbaugh).
- Intraindustry Trade and R&D Intensities: An Empirical Exploration of the Assumptions and Relationships Using Nonparametric Statistics (1996), *The Maxwell Review*, 4(1): 71-78.

Book Chapters, Editorials and Other Publications

- Critical Issues in Korean S&T Policies (forthcoming) *Handbook of Korean Politics and Administration* (with EJ Shin), CI Moon and MJ Moon, ed., Routledge Publisher.
- Sustainable Supply Chains and Regulatory Policy (forthcoming), Nicole Darnal, Eric W. Welch, Seong K. Cho, Melissa Duscha, *Handbook on Sustainable Supply Chains*, Joseph Sarkis, ed., Edward Elgar Publishers.
- How are the meso-level expert organizations connected to farmers and among themselves? Comparing Rakai (Uganda) and Lushoto (Tanzania) (November 2016) Yamini Jha, Eric Welch, Richard Ogwal-Omara, Michael 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, Ana Bedmar Villanueva, Yamini Jha, Richard Ogwal-Omara, Eric Welch, Aseffa Seyoum Wedajoo, Michael Halewood, February 2016 <https://ccafs.cgiar.org/publications/influence-social-networks-adoption-climate-smart-technologies-east-africa-findings-two#.Vyih4OrJhE>.
- 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, Ana Bedmar Villanueva, Yamini Jha, Richard Ogwal-Omara, Eric Welch, Aseffa Seyoum Wedajoo, Michael Halewood, February 2016 <https://ccafs.cgiar.org/publications/adoption-climate-smart-technologies-east-africa-findings-two-surveys-and-participatory#.VyiiqoOrJhE>.
- Managing E-government (2015) In J. Perry and R. K. Christensen, eds. Handbook of Public Administration, 3rd Edition, Jossey-Bass Publishers (with J Moon).
- Open systems vs strong IPR. Disentangling the debate on open access for meeting global challenges in life-science (2014) A Planet for Life, Agence Française de Développement (AFD) and Institut du Développement et des Relations Internationales (IDDRI).
- Potential Implications of the Nagoya Protocol for the Livestock Sector (2012) Editorial, Journal of Animal Breeding and Genetics, 129 (6), 423-424.
- Global Scientific Research Commons for Biodiversity Based Innovation in Digitally Networked Environments: A Neglected Tool for Implementing the 2010 Nagoya Protocol on Access and Benefit Sharing (2012) E. Morgera, M. Buck and E. Tsioumani (eds.), The Nagoya Protocol in Perspective: Implications for International Law and Implementation Challenges, Brill/Martinus Nijhoff (with T. Dedeurwaerdere, S. Louafi, and F. Batur).
- The Rise of Participative Technologies in Government (2012) In Transformational Government through eGov Practice: Socio-economic, Cultural, and Technological Issues. Edited by M.A. Shareef, N. Archer, Y.K. Dwivedi, A. Mishra, and S.K. Pandey, pp. 347-367, Bingley, United Kingdom: Emerald Publishers.
- Environmental Auditing and Compliance, Handbook of Sustainable Management, CN Madu and CH Kuei, Editors (2012), World Scientific Publishing (with EJ Shin).
- Leaping Forward: Building Resilience by Communicating Vulnerability (2011) In Planning for the Unthinkable: Building Resilience through Collaboration, Bruce Goldstein, ed. MIT Press (with M Zellner and C Hoch).
- Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (August 2010) *Advances in Management Information Systems*, Volume 17 (SK Pandey and N Yavuz).
- What Drives Global E-governance: An Exploratory Study at a Macro Level (2007) In, K. Meier, G. Boyne and R. Walker, eds. Public Service Performance, Perspectives on Measurement and Management, Cambridge University Press (with MJ Moon & W Wong).
- Promises and Pitfalls of ISO 14001 for Competitiveness and Sustainability: A Comparison of Japan and the United States (2006) In, Managing the Business Case for Sustainability: The Integration of Social, Environmental and Economic Performance, S. Schaltegger, M. Wagner and W. Wehrmeyer, eds. Sheffield, UK: Greenleaf Publishing, 554-568 (with A Rana and Y Mori).

- ISO 14001 and the Greening of Japanese Industry (2005) In MT Hatch, ed. Environmental Policymaking: Assessing the Use of Alternative Policy Instruments. Albany, NY: SUNY Press, pp. 71-96 (with M Schreurs).
- State Policies to Improve Air Quality. (2002) In A.P.J. Mol and F.H. Buttel, eds. The Environmental State under Pressure. Research in Social Problems and Public Policy, Vol. 10. Amsterdam: Elsevier, pp. 67-84 (with A Mazur).
- Managerial Adaptation through the Market in the Public Sector: Theoretical Framework and Four Models (2002) In SP Osborne, ed. Public Management: Critical Perspectives, Volume III. London: Routledge, pp. 229-320.
- Contracting In: Can Government Be a Business? (1999) In HG. Frederickson & J Johnson, eds. Public Management Reform & Innovation: Research, Theory and Application. Tuscaloosa: University of Alabama Press, pp.259-279 (with SI Bretschneider).

Refereed Published Proceedings

- Social Media in the Work Place. (2016) Association of Internet Researchers (AoIR) Selected Papers in Internet Research (with Appignani, T., Jones, S., Watson-Manheim, M. B.).
- Social media use in higher educational organizations: A comparison of the US and Singapore. In *CABS 2014 - Proceedings of the 5th ACM International Conference on Collaboration across Boundaries.* (pp. 103-106). Association for Computing Machinery (ACM) (with Watson-Manheim, M. B., Jones, S., Lee, C. S. & Eason, J.)
- Trading off Use Restriction and Benefit-Sharing for Genetic Materials for Food and Agriculture with emphases on Upfront Payment. In 53rd Annual Conference, Berlin, Germany, September 25-27, 2013 (No. 156128). German Association of Agricultural Economists (GEWISOLA) (with A Seyoum).
- Implementing information and communication technologies (ICT) in public organizations: The mediating effects of organization routineness and centralization on the relationship between ICT and managerial outcomes, 2013 Digital Government Research Conference, Association of Computing Machinery (ACM) Conference Proceedings (with MK Feeney).
- Science leadership: Is it what you know, who you know or who you are? (2011) IEEE Conference Proceedings, Atlanta Conference on Science and Technology Policy (with M Parker).
- Multiple Measures of Website Effectiveness and their Effect on Service Quality in Health and Human Service Agencies (2007), HICSS-40 IEEE Conference Proceedings, Hawai'i International Conference on System Sciences (with SK Pandey).
- E-Government and Network Technologies: Does Bureaucratic Red Tape Inhibit, Promote or Fall Victim to Intranet Technology Implementation (2005), Information Quality in Public Organizations: Interactive Effects of Red Tape and Innovativeness (2005), HICSS-38 IEEE Conference Proceedings, Hawai'i International Conference on System Sciences (with SK Pandey).
- What Drives Global E-governance: An Exploratory Study at a Macro Level (2005), HICSS-38 IEEE Conference Proceedings, Hawai'i International Conference on System Sciences (with MJ Moon & W Wong).
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COURSES TAUGHT

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