

ELINOR OSTROM
CURRICULUM VITAE

Address

Workshop in Political Theory and Policy Analysis
Indiana University
513 North Park Avenue
Bloomington, IN 47408-3895
Tel: 812-855-0441
Fax: 812-855-3150
My Assistant, Nicole Todd's email: stodd@indiana.edu

Education

B.A., (with honors), Political Science, UCLA, 1954.
M.A., Political Science, UCLA, 1962.
Ph.D., Political Science, UCLA, 1965.

Present Positions

Distinguished Professor, Indiana University, Bloomington, Indiana.
Arthur F. Bentley Professor of Political Science, Indiana University, Bloomington, Indiana.
Senior Research Director, Workshop in Political Theory and Policy Analysis, Indiana University, Bloomington, Indiana.
Founding Director, Center for the Study of Institutional Diversity, Arizona State University, Tempe, Arizona.
Professor, part-time, School of Public and Environmental Affairs, Indiana University, Bloomington, Indiana.

Other Positions Held

Co-Director, Workshop in Political Theory and Policy Analysis, Indiana University, 1973-2009.
Co-Director, Center for the Study of Institutions, Population, and Environmental Change, Indiana University, 1996-2006.
Chair, Department of Political Science, Indiana University, 1980-84; Acting Chair, 1989-90.
Professor, Department of Political Science, Indiana University, 1974-91.
Associate Professor, Department of Political Science, Indiana University, 1969-74.
Assistant Professor and Graduate Advisor, Department of Government, Indiana University, 1966-69.
Visiting Assistant Professor, Department of Government, Indiana University, 1965-66.
Personnel Analyst III, University of California, Los Angeles, 1957-61.
Employment Interviewer and Assistant Employee Relations Manager, Godfrey L. Cabot, Inc., Boston, Massachusetts, 1955-57.

Awards and Honors

Honorary Doctorate, Université Montpellier 1, Montpellier, France, 2011.
Foreign Member, Académie d'Agriculture de France, Paris, France, 2011.
Honorary Professor, Beihang University, Beijing, China, 2011.

Adam Smith Award, Association of Private Enterprise Education, Nassau, Bahamas, 2011.
 UCLA Medal, University of California, Los Angeles, 2011.
 Diamond Jubilee Award for Lifetime Achievement in Political Studies, Political Studies Association of the UK, 2010.
 Honorary Doctorate, Michigan State University, East Lansing, 2010.
 Distinguished Faculty Award, College of Arts and Sciences, Indiana University, Bloomington, IN, 2010.
 Herman B. Wells Visionary Award, Indiana University Foundation, Bloomington, IN, 2010.
 Honorary Member, Indiana Academy of Science, Indianapolis, IN, 2010.
 Honorary Member, Phi Beta Kappa, Indiana University, Bloomington, IN, 2010.
 Living Legend Award, Office of Women's Affairs, Indiana University, Bloomington, IN, 2010.
 Distinguished Professor, Indiana University, Bloomington, IN, 2010.
 The University Medal, Indiana University, Bloomington, IN, 2010.
 Sagamore of the Wabash Award, State of Indiana, 2009.
 Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2009.
 Elazar Distinguished Federalism Scholar Award, APSA, Federalism and Intergovernmental Relations Section, 2009.
 Reimar Lüst Award for International Scholarly and Cultural Exchange, Fritz Thyssen Foundation and the Alexander von Humboldt Foundation, Germany, 2009.
 Jonathan M. Tisch Prize for Civic Engagement Research, Tufts University, Medford, MA, 2009.
 Honorary Doctorate, Norwegian University of Science and Technology, Trondheim, 2008.
 Galbraith Award, American Agricultural Economics Association, 2008.
 Honorary Doctorate, McGill University, Montreal, 2008.
 William H. Riker Prize in Political Science, University of Rochester, 2008.
 Robert A. Dahl Fellow, American Academy of Political and Social Science, Philadelphia, 2008.
 Beijer Fellow, The Beijer Institute of Ecological Economics, Stockholm, Sweden, 2007.
 Honorary Doctorate, Humboldt University, Berlin, Germany, 2007.
 Honorary Doctorate in Commemoration of Carl Linnaeus, Uppsala University, Sweden, 2007.
 Cozzarelli Prize, Proceedings of the National Academy of Sciences, 2006.
 William H. Riker Award for Best Book on Political Economy, APSA, Political Economy Section, 2006.
 Doctor of Humane Letters, University of Michigan, Ann Arbor, 2006.
 Member, American Philosophical Society, Elected 2006.
 James Madison Award, American Political Science Association, 2005.
 Sustainability Science Award, Ecological Society of America, 2005.
 Honorary Doctorate, Luleå University of Technology, Sweden, 2005.
 John J. Carty Award for the Advancement of Science, National Academy of Sciences, 2004.
 Lifetime Achievement Award, Atlas Economic Research Foundation, 2003.
 Honorary Doctorate, Institute of Social Studies, The Hague, 2002.
 Fellow, American Association for the Advancement of Science, Elected September 2001.
 Member, National Academy of Sciences, Elected May 2001.
 Aaron Wildavsky Enduring Contribution Award for *Governing the Commons*, APSA, Public Policy Section, 2000.
 Johan Skytte Prize in Political Science, Uppsala University, 1999.
 Honorary Doctorate in Economics, University of Zurich, 1999.
 Thomas R. Dye Service Award for outstanding service to the Policy Studies Organization, 1997.
 Frank E. Seidman Distinguished Award in Political Economy, 1997.
 Miriam Mills Award for being an outstanding woman in the field of policy studies, Policy Studies Organization, 1996.
 Harold and Margaret Sprout Award for excellence in the field of international environmental affairs for *Governing the Commons*, International Studies Association, 1992.

Fellow, American Academy of Arts and Sciences, 1991.
Donald Campbell Award for an outstanding methodological innovator in public policy studies, Policy Studies Organization, 1986.

Professional Association Activities

American Political Science Association

President, 1996-97.

Vice President, 1975-76.

Chairperson:

Program Committee, 1978.

Developers Task Force, Educational Materials Development Committee, 1976-79.

Committee on Departmental Services, 1981-84.

Nominations Committee, 1983-84; 1990-1992.

Research Committee 1985-88.

Member:

Program Committee for 1970 Meetings.

Gladys M. Kammerer Award Committee, 1973.

Program Development Committee, 1975-76.

Nominations Committee, 1982-84, 1999-01.

Committee on Professional Careers and Standards, Women's Caucus for Political Science, 1984-.

Council of APSA Section on Federalism and Intergovernmental Relations, 1985-87.

Urban Politics and Urban Policy Section Executive Committee, 1987-89.

Advisory Committee for APSA/Pi Sigma Alpha Oral History Program, 1987-90.

Woodrow Wilson Foundation Award Committee, 1990-91.

Committee to select a new Executive Director, 2001-02.

Committee on Civic Education, 2004-07.

Political Economy Section:

Chair, 2004-06.

International Association for the Study of Common Property (IASCP)

President, 1990-91.

Program Co-Chair for Eighth Biennial Conference (May 31-June 4, 2000).

Midwest Political Science Association

President 1984-85.

Policy Studies Organization

Nominating Committee, 1986-87.

Public Choice Society

President, 1982-84.

Executive Council 1982-.

Co-Chair, Duncan Black Award Committee, 1986-87.

Chair, Duncan Black Award Committee, 1990.

Advisory Board/Committee Memberships

Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Advisory Committee, 2010-2011.

Stockholm Resilience Centre, Board of Directors, May 15, 2007-.

Resilience Alliance, Board of Science, 2000-.

MacArthur Foundation, Senior Advisory Group on "Advancing Conservation in a Social Context," 2006.

Romanian Center for Institutional Analysis and Development, Academic Advisory Council, 2006-.

University of Michigan, School of Natural Resources and Environment, External Advisory Committee for Strategic Assessment, 2005-2007.

FAO/RLC, Scientific Committee of the Regional Development Project, 2005-2006.

LTER, National Advisory Board, 2005-2007.

Expert Group on Development Issues (EGDI), Ministry of Foreign Affairs, Stockholm, Sweden, January 1, 2003-December 31, 2004.

Division Committee for the Behavioral and Social Sciences and Education (DBASSE), Division of Behavioral and Social Sciences and Education, The National Academies, January 1, 2003-December 31, 2004.

Institute of Mathematical Economics, University of Bielefeld, Germany, Board of Advisors, October 1, 2002-September 30, 2006.

International Human Dimensions of Global Change Programme, Scientific Committee, 2000-2005.

Max-Planck Institute for Research on Collective Goods, Scientific Advisory Board, 2000-2010.

National Research Council, Committee on Grand Challenges in Environmental Sciences, November 30, 1998-April 30, 2000.

The Beijer International Institute of Ecological Economics, The Royal Swedish Academy of Sciences Board of Directors, 1997-2001.

National Academy of Sciences, Committee on Human Dimensions of Global Change, 1997-2000.

National Academy of Sciences/National Research Council, Scientific Committee on Problems of the Environment (SCOPE), 1995-1998.

MacArthur Foundation Advisory Committee, Economics and Policy Initiative, 1995-96.

Institute for Policy Reform, Advisory Board, 1993-1996.

U.S. Agency for International Development, Research Advisory Committee, 1989-91.

U.S. Advisory Commission on Intergovernmental Relations, Local Government Research Advisory Board, 1985-88.

National Academy of Sciences/National Research Council, Committee on National Urban Policy, 1985-88.

National Academy of Sciences/National Research Council, Panel on Common Property Resource Management, 1985-86.

National Science Foundation, Panel on Institutional Development, 1985.

Interuniversity Consortium for Political and Social Research Council, 1983-85.

National Science Foundation, Political Science Panel, 1983-84.

National Science Foundation, Advisory Panel for Division of Policy Research and Analysis, 1977-78.

National Sheriffs' Association: Study of Contract Law Enforcement, 1975-76.

National Advisory Committee on Criminal Justice Standards and Goals, Task Force on Criminal Justice Research and Development, 1975-76.

National Academy of Public Administration: Neighborhood-Oriented Metropolitan Government, National Advisory Panel, 1975-76.

Law Enforcement Assistance Administration (LEAA): National Evaluation Program, Advisory Board, 1975-76.

International Association of Chiefs of Police: Police Discipline Project, Board of Consultants, 1974-75.

Consulting and Overseas Activities

Multiple visits to Norway and Sweden.

Extensive field research experience in Nepal, Nigeria, and Kenya and research visits to Australia, Bolivia, India, Indonesia, Mexico, Philippines, Poland, and Zimbabwe.

Decentralization: Finance and Management Project Team Member, Nepal, Pakistan, Bangladesh, Nigeria, 1988-91.

Center for Interdisciplinary Research, University of Bielefeld, Bielefeld, Germany, January-August, 1981; January-August, 1988.

IU/Warsaw Exchange Program, Warsaw, Poland, May, 1986; May, 1987.
Consultant to the Office of Technology Assessment, U.S. Congress, on “Low-Resource Agriculture and African Institutional Development,” 1986.
Consultant to AID, Evaluation of Egerton College, Kenya, October 1984.
Consultant to the State of California, Local Government Reform Task Force, 1973-74.
Consultant on Institutional Analysis, Great Lakes Study Program, Battelle Memorial Institute, Columbus, Ohio, 1969-72.

Past and Present Editorial Board Memberships

American Journal of Political Science
American Political Science Review
Criminal Justice Review
Development and Change
Ecological Economics
Ecology & Society
Global Environmental Change
Global Environmental Politics
Journal of Institutional Economics
Journal of Political Science Education
Journal of Theoretical Politics
Policy Studies Journal
Proceedings of the National Academy of Sciences
Public Productivity Review
Publius
Quarterly Journal of Administration
Rationality, Markets and Morals
Sage Urban Affairs Annual Review
Science
Social Science Quarterly
Urban Affairs Quarterly
World Development

Grants and Funded Research

Project Director, Principal Investigator, or Co-Principal Investigator for:
Earhart Foundation, Support for Visiting Scholars
SANREM CRSP Long Term Research, “Decentralization, Reforms, and Property Rights.”
Andrew W. Mellon Foundation, “Preserving the Commons through Sustainable Digital Arch.”
National Science Foundation, Planning Workshop to establish a Research Work Team for a project on “Testing Theoretical Models of Individual Behavior in Dynamic Social Dilemma Situations.”
National Science Foundation, “Development of a Spatial-Experimental Laboratory for Research and Policy Analysis Related to Complex Systems.”
National Science Foundation, “Biocomplexity in Linked Bioecological-Human Systems: Agent-Based Models of Land Use Decisions and Emergent Land Use Patterns in Forested Regions.”
Swedish International Development Cooperation Agency, “A Study of How Aid, Incentives, and Sustainability Are Related.”
United Nations Development Program, “A Proposal to Monitor and Assess the Parks and People Project in the Nepal Terai.”
The Lynde and Harry Bradley Foundation, “Democracy Fellows Program.”
MacArthur Foundation, “The International Forestry Resources and Institutions Research and

Training Program in Madagascar and the Eastern Himalayas.”

National Science Foundation, “A Proposal to Support a Center for the Study of Institutions, Population, and Environmental Change.”

Ford Foundation, “The International Forestry Resources and Institutions Research and Training Program.”

National Science Foundation, “The Commons: Institutions, Heterogeneities, Time Dependencies, and Local/Global Nesting.”

National Science Foundation, “A Conference on Institutional Dimensions of Cooperation and Discord: Local and Global Cooperation.”

Food and Agriculture Organization of the United Nations, Forests, Trees and People Programme, “Collaboration on Communal Management: The International Forestry Resources and Institutions (IFRI) Database.”

Alexander Von Humboldt-Stiftung Transcoop Program, “Game Theory in the Behavioral Sciences.”

Ford Foundation, “Nepal Irrigation Institutions and Systems Database.”

National Science Foundation, “The Role of Institutions in the Survival and Efficiency of Common-Pool Resources.”

U.S. AID, “Decentralization: Finance and Management.” Subcontract with Associates in Rural Development and the Center for Metropolitan Studies, Syracuse University.

U.S. Geological Survey, “The Comparative Performance of Institutional Arrangements for Groundwater Resources.”

National Science Foundation, “Towards an Institutional Theory of Collective Action.”

U.S. AID, “Institutions and Common-Pool Resources in the Third World: What Works?”

U.S. AID, “Research Training and Dissemination Program in Institutional Analysis and Design.”

National Science Foundation, “Modeling Institutional Arrangements and Their Effects.”

U.S. Department of Justice, “Performance Measurement Theory.”

U.S. Department of Justice, “Citizen Demand and Information Exchange in Initial Police Response: Calls for Service Processing from Receipt Through Dispatch.”

National Science Foundation, “Urban Resources, Institutions and Outcomes.”

National Institute of Mental Health, “Research Training in Institutional Analysis and Design.”

U.S. Department of Justice (LEAA), “Performance Measurement Theory: Police.”

U.S. Department of Justice (LEAA), “Police Referral Systems in Metropolitan Areas.”

National Science Foundation, “Evaluating the Organization of Service Delivery: Police,” Phase I, IIa, IIb.

National Science Foundation, “Measures of Municipal Services: Multi-Mode Approaches.”

National Institute of Mental Health, “Community Organization and Urban Institutions.”

Publications

Books:

- Property in Land and Other Resources*, edited with Daniel H. Cole. Cambridge, MA: Lincoln Institute of Land Policy, 2012.
- Improving Irrigation in Asia: Sustainable Performance of an Innovative Intervention in Nepal*, with Wai Fung Lam, Prachanda Pradhan, and Ganesh Shivakoti. Cheltenham, UK: Edward Elgar, Forthcoming October 2011.
- Was mehr wird, wenn wir teilen: Vom Gesellschaftlichen wert der Gemeingüter*. Translated by Silke Helfrich. Munich: Oekom Verlag, 2011.
- Working Together: Collective Action, the Commons, and Multiple Methods in Practice*, with Amy Poteete and Marco Janssen. Princeton, NJ: Princeton University Press, 2010.

Understanding Knowledge as a Commons: From Theory to Practice, edited with Charlotte Hess. Cambridge, MA: MIT Press, 2007.

Linking the Formal and Informal Economy: Concepts and Policies, edited with Basudeb Guha-Khasnobis and Ravi Kanbur. Oxford, UK: Oxford University Press, 2006.

Understanding Institutional Diversity. Princeton, NJ: Princeton University Press, 2005.

The Samaritan's Dilemma: The Political Economy of Development Aid, with Clark Gibson, Krister Andersson, and Sujai Shivakumar. Oxford University Press, 2005.

Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems, edited with Emilio Moran. Cambridge, MA: MIT Press, 2005.

Asian Irrigation in Transition: Responding to Challenges, edited with Ganesh Shivakoti, Douglas Vermillion, Wai Fung Lam, Ujjwal Pradhan, and Robert Yoder. New Delhi, India: Sage, 2005.

Foundations of Social Capital, edited with T. K. Ahn. Cheltenham, UK: Edward Elgar, 2003.

The Commons in the New Millennium: Challenges and Adaptations, edited with Nives Dolšak. Cambridge, MA: MIT Press, 2003.

Trust and Reciprocity: Interdisciplinary Lessons from Experimental Research, edited with James Walker. New York: Russell Sage Foundation, 2003.

The Drama of the Commons, edited with Thomas Dietz, Nives Dolšak, Paul C. Stern, Susan Stonich, and Elke Weber. Committee on the Human Dimensions of Global Change. Washington, DC: National Research Council, National Academy Press, 2002.

Improving Irrigation Governance and Management in Nepal, edited with Ganesh Shivakoti. Oakland, CA: ICS Press, 2002.

Protecting the Commons: A Framework for Resource Management in the Americas, edited with Joanna Burger, Richard B. Norgaard, David Policansky, and Bernard D. Goldstein. Washington, DC: Island Press, 2001.

Institutions, Ecosystems, and Sustainability, edited with Robert Costanza, Bobbi Low, and James Wilson. Boca Raton, FL: Lewis Publishers, 2001.

People and Forests: Communities, Institutions, and Governance, edited with Clark Gibson and Margaret A. McKean. Cambridge, MA: MIT Press, 2000.

Competition & Cooperation: Conversations with Nobelists about Economics and Political Science, edited with James Alt and Margaret Levi. New York: Russell Sage Foundation, 1999.

Local Commons and Global Interdependence: Heterogeneity and Cooperation in Two Domains, edited with Robert Keohane. London: Sage, 1995.

Rules, Games, and Common-Pool Resources, edited with Roy Gardner and James Walker. Ann Arbor: University of Michigan Press, 1994.

From Farmers' Fields to Data Fields and Back: A Synthesis of Participatory Information Systems for Irrigation and Other Resources, edited with Sowerwine, Jennifer, Ganesh Shivakoti, Ujjwal Pradhan, and Ashutosh Shukla. Proceedings of an International Workshop held at the Institute of Agriculture and Animal Science (IAAS), Rampur, Nepal, March 21-26, 1993. Colombo, Sri Lanka: International Irrigation Management Institute (IIMI), and Rampur, Nepal: IAAS, 1994.

Institutional Incentives and Sustainable Development: Infrastructure Policies in Perspective, with Larry Schroeder and Susan Wynne. Boulder, CO: Westview Press, 1993.

Crafting Institutions for Self-Governing Irrigation Systems. San Francisco: ICS Press, 1992.

Governing the Commons: The Evolution of Institutions for Collective Action. New York: Cambridge University Press, 1990.

Local Government in the United States, with Vincent Ostrom and Robert Bish. San Francisco: ICS Press, 1988.

Il governo locale negli Stati Uniti, with Vincent Ostrom and Robert L. Bish. Milano, Italy: Fondazione Adriano Olivetti, 1984.

Strategies of Political Inquiry, edited. Beverly Hills: Sage Publications, 1982.

Basic Issues in Police Performance, with Gordon P. Whitaker, Stephen Mastroski, Roger B. Parks, and Stephen L. Percy. Washington, DC: U.S. Department of Justice, 1982.

- Patterns of Metropolitan Policing*, with Roger B. Parks and Gordon P. Whitaker. Cambridge, MA: Ballinger Books, 1978.
- Policing Metropolitan America*, with Roger B. Parks and Gordon P. Whitaker. Washington, DC: U.S. Government Printing Office, 1977.
- The Delivery of Urban Services: Outcomes of Change*, ed. Urban Affairs Annual Reviews, vol. 10. Beverly Hills: Sage Publications, 1976.
- Community Organization and the Provision of Police Services*, with William Baugh, Richard Guarasci, Roger B. Parks, and Gordon P. Whitaker. Sage Professional Papers in Administrative and Policy Studies, 03-001. Beverly Hills: Sage Publications, 1973.

Selected Journal Articles and Chapters in Books:

- “The Variety of Property Systems and Rights in Natural Resources,” with Daniel Cole. In *Property in Land and Other Resources*, 37-64. Cambridge, MA: Lincoln Institute of Land Policy, 2012.
- “The Institutional Perspective on Values and Virtues,” with Vincent Ostrom. In *Value and Virtue in Public Administration: A Comparative Perspective*, eds. Michiel De Vries and Pan Suk Kim, 115-134. New York: Palgrave Macmillan, 2011.
- “Institutions for Managing Ecosystem Services,” with Jennifer Allen, Jenny DuVander, and Ida Kubiszewski. *Solutions* 2(6) (Nov-Dec 2011): 44-48.
- “Reconnecting to the Biosphere,” with Carl Folke, Åsa Jansson, Johan Rockström, Per Olsson, Stephen Carpenter, F. Stuart Chapin III, Anne-Sophie Crepín, Gretchen Daily, Kjell Danell, Jonas Ebbesson, Thomas Elmqvist, Victor Galaz, Fredrik Moberg, Måns Nilsson, Henrik Österblom, Åsa Persson, Garry Peterson, Stephen Polasky, Will Steffen, Brian Walker, and Frances Westley. *Ambio*. Published online October 6, 2011.
- “Guest Introduction.” *Grassroots Economic Organizing (GEO) Newsletter* 2(9) (September 2011).
- “Why Do We Need to Protect Institutional Diversity?” *European Political Science*, advance online publication July 29, 2011.
- “Crafting Analytical Tools to Study Institutional Change,” with Xavier Basurto. *Journal of Institutional Economics* 7(3) (September 2011): 317-343.
- “A Multimethod Approach to Study the Governance of Social-Ecological Systems,” with Marco Janssen and François Bousquet. *Natures Sciences Sociétés* (June 2011): 4-16.
- “Experimental Contributions to Collective Action Theory,” with Eric Coleman. In *Cambridge Handbook of Experimental Political Science*, ed. James Druckman, Donald Green, James Kuklinski, and Arthur Lupia, 339-352. New York: Cambridge University Press, 2011.
- “The Challenge of Forest Diagnostics,” with Harini Nagendra. *Ecology and Society* 16(2) (2011): 20.
- “Honoring James Buchanan.” *Journal of Economic Behavior and Organization*, Online May 15, 2011.
- “Background on the Institutional Analysis and Development Framework.” *Policy Studies Journal* 39(1) (February 2011): 7-27.
- “Reflections on ‘Some Unsettled Problems of Irrigation.’” *American Economic Review* 101(1) (February 2011): 49-63.
- “The Challenge of Self-Governance in Complex Contemporary Environments.” *Journal of Speculative Philosophy* 24(4) (2010): 316-332.
- “Governing the Commons in the New Millennium: A Diversity of Institutions for Natural Resource Management,” with Harini Nagendra. In *Re-Inventing Construction*, ed. Ilka and Andreas Ruby, 380-387. Berlin, Germany: Ruby Press, 2010.
- “Moving Beyond Panaceas: A Multi-Tiered Diagnostic Approach for Social-Ecological Analysis,” with Michael Cox. *Environmental Conservation* 37(4) (2010): 451-463.
- “Analyzing Collective Action.” *Agricultural Economics* 41(S1) (November 2010): 155-166.
- “Cooperation and the Commons,” with Björn Vollan. *Science* 330(6006) (November 12, 2010): 923-924.

- “Private and Common Property Rights,” with Charlotte Hess. In *Property Law and Economics*, Encyclopedia of Law and Economics, 2nd edition, ed. Boudewijn Bouckaert, 53-106. Cheltenham, UK: Edward Elgar, 2010.
- “Disturbance, Response, and Persistence in Self-Organized Forested Communities: Analysis of Robustness and Resilience in Five Communities in Southern Indiana,” with Forrest Fleischman, Kinga Boenning, Gustavo Garcia-Lopez, Sarah Mincey, Mikaela Schmitt-Harsh, Katrin Daedlow, Maria Claudia Lopez, Xavier Basurto, and Burney Fischer. *Ecology and Society* 15(4) (2010): 9.
- “The Challenge of Crafting Rules to Change Open-Access Resources into Managed Resources.” In *Is Economic Growth Sustainable?*, ed. Geoffrey Heal, 168-205. New York: Palgrave Macmillan, 2010.
- “Beyond Markets and States: Polycentric Governance of Complex Economic Systems.” In *Les Prix Nobel 2009*, The Nobel Foundation, 401-444. Västerås, Sweden: Edita Västra Aros, 2010.
- “A Common-Pool Resource Experiment with Postgraduate Subjects from 41 Countries,” with T. K. Ahn and James Walker. *Ecological Economics* 69(12) (October 2010): 2624-2633.
- “Institutional Analysis and Development: Elements of the Framework in Historical Perspective.” In *Historical Developments and Theoretical Approaches in Sociology*, ed. Charles Crothers, in *Encyclopedia of Life Support Systems (EOLSS)*. Oxford, UK: EOLSS Publishers, 2010.
- “Crafting Analytical Tools to Study Institutional Change,” with Xavier Basurto. *Journal of Institutional Economics*, FirstView Article, August 16, 2010.
- “Nested Externalities and Polycentric Institutions: Must We Wait for Global Solutions to Climate Change before Taking Actions at Other Scales?” *Economic Theory*, OnlineFirst, August 6, 2010.
- “Polycentric Systems for Coping with Collective Action and Global Environmental Change.” *Global Environmental Change*, Online First, August 3, 2010.
- “Beyond Markets and States: Polycentric Governance of Complex Economic Systems.” *American Economic Review* 100(3) (June 2010): 641-672.
- “Be Diverse,” with Harini Nagendra. *Our Planet*, the magazine of the United Nations Environment Programme (UNEP) (May 2010): 10-12.
- “A Long Polycentric Journey.” *Annual Review of Political Science* 13 (May 2010): 1-23.
- “The Institutional Analysis and Development Framework and the Commons.” *Cornell Law Review* 95(4) (May 2010): 807-815.
- “Lab Experiments for the Study of Social-Ecological Systems,” with Marco Janssen, Robert Holahan, and Allen Lee. *Science* 328(5978) (April 30, 2010): 613-617.
- “A Multi-Scale Approach to Coping with Climate Change and Other Collective Action Problems.” *Solutions* 1(2) (March-April 2010): 27-36.
- “Analyzing the Dynamic Complexity of Development Interventions: Lessons from an Irrigation Experiment in Nepal,” with Wai Fung Lam. *Policy Sciences* 43(1) (March 2010): 1-25.
- “Organizational Economics: Applications to Metropolitan Governance.” *Journal of Institutional Economics* 6(1) (March 2010): 109-115.
- “Revising Theory in Light of Experimental Findings.” *Journal of Economic Behavior and Organization* 73 (2010): 68-72.
- “Trust and Reciprocity as Foundations for Cooperation,” with James Walker. In *Whom Can We Trust?: How Groups, Networks, and Institutions Make Trust Possible*, ed. Karen Cook, Margaret Levi, and Russell Hardin, 91-124. New York: Russell Sage Foundation, 2009.
- “Social Cooperation in Collective-Action Situations.” In *Beiträge der genossenschaftlichen Selbsthilfe zur wirtschaftlichen und sozialen Entwicklung* [Contributions of cooperative self-help to economic and social development], ed. Hans Jürgen Rösner and Frank Schulz-Nieswandt, 49-69. Berlin: LIT Verlag, 2009.
- “A Polycentric Approach for Coping with Climate Change.” Policy Research Working Paper No. 5095. Background paper to the 2010 World Development Report. Washington, DC: The World Bank, 2009.

- “Connectivity and the Governance of Multilevel Social-Ecological Systems: The Role of Social Capital,” with Eduardo Brondizio and Oran Young. *Annual Review of Environment and Resources* 34 (November 2009): 253-278.
- “The Contribution of Community Institutions to Environmental Problem-Solving.” In *Governing the Environment: Salient Institutional Issues*, ed. Albert Breton, Giorgio Brosio, Silvana Dalmazzone, and Giovanna Garrone, 87-112. Cheltenham, UK: Edward Elgar, 2009.
- “Beyond the Tragedy of the Commons,” with Xavier Basurto. *Economia delle fonti di energia e dell’ambiente* 52(1) (October 2009): 35-60.
- “Governance and Institutions.” In *The Princeton Guide to Ecology*, ed. Simon A. Levin, 748-753. Princeton, NJ: Princeton University Press, 2009.
- “A General Framework for Analyzing Sustainability of Social-Ecological Systems.” *Science* 325(5939) (24 July 2009): 419-422.
- “The Core Challenges of Moving Beyond Garrett Hardin,” with Xavier Basurto. *Journal of Natural Resources Policy Research* 1(3) (July 2009): 255-259.
- “Analyzing the Dynamic Complexity of Development Interventions: Lessons from an Irrigation Experiment in Nepal,” with Wai Fung Lam. *Policy Sciences*, OnlineFirst May 5, 2009.
- “Building Trust to Solve Commons Dilemmas: Taking Small Steps to Test an Evolving Theory of Collective Action.” In *Games, Groups, and the Global Good*, ed. Simon Levin, 207-228. New York: Springer, 2009.
- “Unresolved Questions of the Social Sciences.” *Tvärnsnitt* 2/09: 6-8. (in Swedish).
- “Polycentric Systems as One Approach to Solving Collective-Action Problems.” In *Climate Change and Sustainable Development: New Challenges for Poverty Reduction*, ed. M.A. Mohamed Salih, 17-35. Cheltenham, UK: Edward Elgar, 2009.
- “Design Principles of Robust Property Rights Institutions: What Have We Learned?” In *Property Rights and Land Policies*, ed. Gregory K. Ingram and Yu-Hung Hong, 25-51. Cambridge, MA: Lincoln Institute of Land Policy, 2009.
- “The Meaning of Social Capital and Its Link to Collective Action,” with T. K. Ahn. In *Handbook of Social Capital: The Troika of Sociology, Political Science and Economics*, ed. Gert T. Svendsen and Gunnar L. Svendsen, 17-35. Northampton, MA: Edward Elgar, 2009.
- “Trust in Private and Common Property Experiments,” with James Cox, James Walker, Antonio Jamie Castillo, Eric Coleman, Robert Holahan, Michael Schoon, and Brian Steed. *Southern Economic Journal* 75(4) (April 2009): 957-975.
- “Gemeingütermanagement—eine Perspektive für bürgerschaftliches Engagement” [Governing a Commons from a Citizen’s Perspective]. In *Wem gehört die Welt? Zur Wiederentdeckung der Gemeingüter*, ed. Silke Helfrich, 218-228. München: Oekom Verlag, 2009.
- “Commons.” In *The Oxford Companion to Global Change*, ed. David Cuff and Andrew Goudie. Oxford University Press. *Oxford Reference Online*, 2009.
- “What is Social Capital?” In *Social Capital: Reaching Out, Reaching In*, ed. Viva Bartkus and James Davis, 17-38. Northampton, MA: Edward Elgar, 2009.
- “Engaging with Impossibilities and Possibilities.” In *Arguments for a Better World: Essays in Honor of Amartya Sen, Volume II: Society, Institutions, and Development*, ed. Kaushik Basu and Ravi Kanbur, 522-541. New York: Oxford University Press, 2009.
- “A Century of Institutions and Ecology in East Africa’s Rangelands: Linking Institutional Robustness with Ecological Resilience of Kenya’s Maasailand,” with Esther Mwangi. In *Institutions and Sustainability: Political Economy of Agriculture and the Environment—Essays in Honour of Konrad Hagedorn*, ed. Volker Beckmann and Martina Padmanabhan, 195-221. New York: Springer, 2009.
- “Top-Down Solutions: Looking Up from East Africa’s Rangelands,” with Esther Mwangi. *Environment: Science and Policy for Sustainable Development* 51(1) (January/February 2009): 34-44.
- “TURFS in the Lab: Institutional Innovation in Real-Time Dynamic Spatial Commons,” with Marco

- Janssen. *Rationality and Society* 20(4) (2008): 371-397.
- “Linking Forests, Trees, and People: From the Air, on the Ground, and in the Lab,” with Harini Nagendra. *Current Conservation*, no. 2.1 (January 2008): 4-5.
- “Institutional Dynamics, Spatial Organization, and Landscape Change,” with Tom Evans and Abigail York. In *Political Economies of Landscape Change: Places of Power*, ed. James Wescoat and Douglas Johnston, 111-129. New York: Springer, 2008.
- “Institutions and the Environment.” *Economic Affairs* 28(3) (September 2008): 24-31.
- “Developing a Method for Analyzing Institutional Change.” In *Alternative Institutional Structures: Evolution and Impact*, ed. Sandra Batie and Nicholas Mercurio, 48-76. London: Routledge, 2008.
- “Diversity and Resilience of Social-Ecological Systems,” with Jon Norberg, James Wilson, and Brian Walker. In *Complexity Theory for a Sustainable Future*, ed. Jon Norberg and Graeme Cumming, 46-79. New York: Columbia University Press, 2008.
- “Tragedy of the Ecological Commons.” In *Encyclopedia of Ecology*, 1st ed., ed. Sven Erik Jorgensen and Brian D. Fath, 3573-3576. Oxford: Elsevier, 2008.
- “Effect of Rule Choice in Dynamic Interactive Spatial Commons,” with Marco Janssen, Robert Goldstone, and Filippo Menczer. *International Journal of the Commons* 2(2) (July 2008): 288-312.
- “The Challenge of Common-Pool Resources.” *Environment* 50(4) (July/August 2008): 8-20.
- “Facilitating Decentralized Policies for Sustainable Governance and Management of Forest Resources in Asia,” with Ganesh Shivakoti. In *Decentralization, Forests and Rural Communities: Policy Outcomes in South and Southeast Asia*, ed. Edward Webb and Ganesh Shivakoti, 292-310. New Delhi: Sage, 2008.
- “Implications of Leasehold and Community Forestry for Poverty Alleviation,” with Mukunda Karmacharya and Birendra Karna. In *Decentralization, Forests and Rural Communities: Policy Outcomes in South and Southeast Asia*, ed. Edward Webb and Ganesh Shivakoti, 177-208. New Delhi: Sage, 2008.
- “Decentralization and Community-Based Forestry: Learning from Experience,” with Arun Agrawal. In *Decentralization, Forests and Rural Communities: Policy Outcomes in South and Southeast Asia*, ed. Edward Webb and Ganesh Shivakoti, 44-67. New Delhi: Sage, 2008.
- “Deliberation, Learning, and Institutional Change: The Evolution of Institutions in Judicial Settings,” with William Blomquist. *Constitutional Political Economy* 19(3) (September 2008): 180-202.
- “Tragedy of the Commons.” In *The New Palgrave Dictionary of Economics*, 2nd ed., ed. Steven Durlauf and Lawrence Blume. New York: Palgrave Macmillan, 2008.
- “Frameworks and Theories of Environmental Change.” *Global Environmental Change* 18(2) (May 2008): 249-252.
- “Social Capital and Collective Action,” with T. K. Ahn. In *The Handbook of Social Capital*, ed. Dario Castiglione, Jan van Deth, and Guglielmo Wolleb, 70-100. Oxford: Oxford University Press, 2008.
- “Will Lessons from Small-Scale Social Dilemmas Scale Up?,” with Michael McGinnis. In *New Issues and Paradigms in Research on Social Dilemmas*, ed. Anders Biel, Daniel Eek, Tommy Gärling, and Mathias Gustaffson, 189-211. Berlin: Springer, 2008.
- “The Vital Role of Norms and Rules in Maintaining Open Public and Private Economies,” with David Schwab. In *Moral Markets: The Critical Role of Values in the Economy*, ed. Paul J. Zak, 204-227. Princeton, NJ: Princeton University Press, 2008.
- “Analyzing Decentralized Resource Regimes from a Polycentric Perspective,” with Krister Andersson. *Policy Sciences* 41 (February 14, 2008): 71-93.
- “Fifteen Years of Empirical Research on Collective Action in Natural Resource Management: Struggling to Build Large-N Databases Based on Qualitative Research,” with Amy Poteete. *World Development* 36(1) (January 2008): 176-195.
- “Collective Action and Local Development Processes.” *Sociologica* (Italian Journal of Sociology) 3 (2007): 1-32.

- “Coupled Human and Natural Systems,” with Jianguo Liu, Thomas Dietz, Stephen Carpenter, Carl Folke, Marina Alberti, Charles Redman, Stephen Schneider, Alice Pell, Jane Lubchenco, William Taylor, Zhiyun Ouyang, Peter Deadman, Timothy Kratz, and William Provencher. *Ambio* 36(8) (December 2007): 639-649.
- “Challenges and Growth: The Development of the Interdisciplinary Field of Institutional Analysis.” *Journal of Institutional Economics* 3(3) (December 2007): 239-264.
- “Governing the Commons in the New Millennium: A Diversity of Institutions for Natural Resource Management,” with Harini Nagendra. In *Encyclopedia of Earth*, ed. Cutler J. Cleveland. Washington, DC: Environmental Information Coalition, National Council for Science and the Environment, November 16, 2007.
- “Institutions, Collective Action and Effective Forest Management: Learning from Studies in Nepal,” with Harini Nagendra. In *The Sage Handbook of Environment and Society*, ed. Jules Pretty, Andrew Ball, Ted Benton, Julia Guivant, David Lee, David Orr, Max Pfeffer, and Hugh Ward, 578-589. London: Sage, 2007.
- “Traditions and Trends in the Study of the Commons,” with Frank van Laerhoven. *International Journal of the Commons* 1(1) (October 2007): 3-28.
- “Collective Action Theory.” In *The Oxford Handbook of Comparative Politics*, ed. Carles Boix and Susan C. Stokes, 186-208. Oxford: Oxford University Press, 2007.
- “Going beyond Panaceas,” with Marco Janssen, and John Anderies. *PNAS* 104(39) (2007): 15176-15178.
- “A Diagnostic Approach for Going Beyond Panaceas.” *PNAS* 104(39) (2007): 15181-15187.
- “Complexity of Coupled Human and Natural Systems,” with Jianguo Liu, Thomas Dietz, Stephen Carpenter, Marina Alberti, Carl Folke, Emilio Moran, Alice Pell, Peter Deadman, Timothy Kratz, Jane Lubchenco, Zhiyun Ouyang, William Provencher, Charles Redman, Stephen Schneider, and William Taylor. *Science* 317(5844) (2007): 1513-1516.
- “Tenure Alone is Not Sufficient: Monitoring is Essential,” with Harini Nagendra. *Environmental Economics and Policy Studies* 8(3) (2007): 175-199.
- “Multiple Institutions for Multiple Outcomes.” In *Sustainable Resource Use: Institutional Dynamics and Economics*, ed. Alex Smajgl and Silva Larson, 23-50. Sterling, VA: Earthscan, 2007.
- “Fourteen Years of Monitoring Community-Managed Forests: Learning from IFRI’s Experience,” with Eva Wollenberg, Leticia Merino, and Arun Agrawal. *International Forestry Review* 9(2) (2007): 670-684.
- “Robustness of Social-Ecological Systems to Spatial and Temporal Variability,” with Marco Janssen and John Anderies. *Society and Natural Resources* 20(4) (April 2007): 307-322.
- “Institutional Rational Choice: An Assessment of the Institutional Analysis and Development Framework.” In *Theories of the Policy Process*, 2nd edition, ed. Paul A. Sabatier, 21-64. Boulder, CO: Westview Press, 2007.
- “A Frequently Overlooked Precondition of Democracy: Citizens Knowledgeable About and Engaged in Collective Action.” In *Preconditions of Democracy*, The Tampere Club Series, vol. 2, ed. Geoffrey Brennan, 75-89. Tampere, Finland: Tampere University Press, 2006.
- “Biography of Robert Axelrod.” *PS: Political Science & Politics* 40(1) (January 2006): 171-174.
- “Empirically Based, Agent-Based Models,” with Marco Janssen. *Ecology and Society* 11(2) (2006): 37.
- “Adoption of a New Regulation for the Governance of Common-Pool Resources by a Heterogeneous Population,” with Marco Janssen. In *Inequality, Cooperation, and Environmental Sustainability*, ed. Jean-Marie Baland, Pranab Bardhan, and Samuel Bowles, 60-96. Princeton, NJ: Princeton University Press, 2006.
- “12 Questions To . . . Elinor Ostrom.” *GAIA – Ecological Perspectives for Science and Society* 15(4) (December 2006): 246-247.
- “Insights on Linking Forests, Trees, and People from the Air, on the Ground, and in the Laboratory,” with Harini Nagendra. *Proceedings of the National Academy of Sciences of the United States of*

- America* 103(51) (2006): 19224-19231. See also “Profile of Elinor Ostrom,” by Nick Zagorski, *PNAS* 103(51) (2006): 19221-19223.
- “The Value-Added of Laboratory Experiments for the Study of Institutions and Common-Pool Resources.” *Journal of Economic Behavior & Organization* 61(2) (October 2006): 149-163.
- “How Norms Help Reduce the Tragedy of the Commons: A Multi-Layer Framework for Analyzing Field Experiments,” with Juan-Camilo Cardenas. In *Norms and the Law*, ed. John N. Drobak, 105-136. New York: Cambridge University Press, 2006.
- “The Globalization of Socio-Ecological Systems: An Agenda for Scientific Research,” with Oran Young, Frans Berkhout, Gilberto Gallopin, Marco Janssen and Sander van der Leeuw. *Global Environmental Change* 16(3) (August 2006): 304-316.
- “Multiple Institutions for Multiple Outcomes.” In *Adapting Rules for Sustainable Resource Use*, ed. Alex Smajgl and Silva Larson, 29-57. Townsville, Australia: CSIRO Sustainable Ecosystems, 2006.
- “Governing Social-Ecological Systems,” with Marco Janssen. In *Handbook of Computational Economics: Agent-Based Computational Economics*, vol. 2, ed. Leigh Tesfatsion and Kenneth L. Judd, 1465-1509. Amsterdam: Elsevier Publishers, 2006.
- “Political Science and Conservation Biology: A Dialog of the Deaf,” with Arun Agrawal. *Conservation Biology* 20(3) (June 2006): 681-682.
- “A Framework for Analysing the Microbiological Commons,” with Charlotte Hess. *International Social Science Journal* 188 (June 2006): 335-349.
- “The Struggle to Govern the Commons,” with Thomas Dietz and Paul Stern. In *Science Magazine’s State of the Planet 2006-2007*, ed. Donald Kennedy, and the editors of *Science*, 126-141. Washington, DC: Island Press, 2006.
- “Resilience, Vulnerability and Adaptation” (with Marco Janssen). *IHDP Update* (Newsletter of the International Human Dimensions Programme on Global Environmental Change) 1/2006, pp. 10-11.
- “The Complexity of Rules and How They May Evolve Over Time.” In *Evolution and Design of Institutions*, ed. Christian Schubert and Georg von Wangenheim, 100-122. New York: Routledge, 2006.
- “Converting Threats into Opportunities.” The 2005 James Madison Award Lecture. *PS: Political Science & Politics* 39(1) (January 2006): 3-12.
- “Not Just One Best System: The Diversity of Institutions for Coping with the Commons.” In *Researching the Culture in Agri-Culture: Social Research for International Agricultural Development*, ed. Michael Cernea and Amir Kassam, 329-360. Cambridge, MA: CABI Publishing, 2006.
- “What We Have Learned from Multiple Challenges to the Study of Political Science.” *Perspectives on Politics* 3(2) (June 2005): 321-322.
- “The Aid Effectiveness Puzzle,” with Sujai Shivakumar, Krister Andersson, and Clark Gibson. In *The Constitution of Development: Crafting Capabilities for Self-Governance*, ed. Sujai Shivakumar, 21-38. New York: Palgrave Macmillan, 2005.
- “Incentives Affecting Land Use Decisions of Nonindustrial Private Forest Landowners,” with Abigail York and Marco Janssen. In *Handbook of Global Environmental Politics*, ed. Peter Dauvergne, 233-248. Cheltenham, UK: Edward Elgar, 2005.
- “Policies That Crowd Out Reciprocity and Collective Action.” In *Moral Sentiments and Material Interests: The Foundations of Cooperation in Economic Life*, ed. Herbert Gintis, Samuel Bowles, Robert Boyd, and Ernst Fehr, 253-275. Cambridge, MA: MIT Press, 2005.
- “A Grammar of Institutions,” with Sue E.S. Crawford. In *Understanding Institutional Diversity*, ed. Elinor Ostrom, 137-74. Princeton, NJ: Princeton University Press, 2005. Originally published in: *American Political Science Review* 89(3) (September 1995): 582-600.

- “Doing Institutional Analysis: Digging Deeper Than Markets and Hierarchies.” In *Handbook of New Institutional Economics*, ed. Claude Menard and Mary M. Shirley, 819-848. Dordrecht, the Netherlands: Springer, 2005.
- “Conserving the World’s Forests: Are Protected Areas the Only Way?,” with Tanya M. Hayes. *Indiana Law Review* 38(3) (2005): 595-617.
- “Unlocking Public Entrepreneurship and Public Economies.” Discussion Paper No. 2005/01. Helsinki, Finland: World Institute for Development Economics Research (UNU/WIDER), 2005.
- “Local Enforcement and Better Forests,” with Clark C. Gibson and John T. Williams. *World Development* 33(2) (February 2005): 273-284.
- “What Do People Bring Into the Game? Experiments in the Field about Cooperation in the Commons,” with Juan-Camilo Cardenas. *Agricultural Systems* 82(3) (December 2004): 307-326.
- “The Ten Most Important Books.” *Tidsskriftet Politik* 4(7) (December 2004): 36-48.
- “In Pursuit of Comparable Concepts and Data about Collective Action,” with Amy Poteete. *Agricultural Systems* 82(3) (December 2004): 215-232.
- “Heterogeneity, Group Size and Collective Action: The Role of Institutions in Forest Management,” with Amy Poteete. *Development and Change* 35(3) (June 2004): 435-61.
- “A Framework to Analyze the Robustness of Social-Ecological Systems from an Institutional Perspective,” with Marty J. Anderies and Marco Janssen. *Ecology and Society* 9(1) (June 2004): 18.
- “Understanding Collective Action.” In *Collective Action and Property Rights for Sustainable Development*, ed. Ruth Meinzen-Dick and Monica Di Gregorio, Focus 11, Brief 2, February 2004. Washington, DC: International Food Policy Research Institute.
- “The Quest for Meaning in Public Choice,” with Vincent Ostrom. *American Journal of Economics and Sociology* 63(1) (January 2004): 105-147.
- “Rules Without Enforcement are But Words on Paper.” *IHDP Newsletter* 2(2004):8-10.
- “Multi-Level Governance and Resilience of Social-Ecological Systems,” with Marco Janssen. In *Globalisation, Poverty and Conflict: A Critical ‘Development’ Reader*, ed. Max Spoor, 239-259. Dordrecht, the Netherlands: Kluwer Academic Publishers, 2004.
- “Communication and Co-operation in a Common-Pool Resource Dilemma: A Field Experiment,” with Juan-Camilo Cardenas and T. K. Ahn. In *Advances in Understanding Strategic Behaviour: Game Theory, Experiments and Bounded Rationality*, ed. Steffen Huck, 258-286. New York: Palgrave Macmillan, 2004.
- “Signals, Symbols, and Human Cooperation,” with T.K. Ahn and Marco Janssen. In *The Origins and Nature of Sociality*, ed. Robert W. Sussman and Audrey R. Chapman, 122-139. New York: Aldine De Gruyter, 2003.
- “Heterogeneous Preferences and Collective Action,” with T.K. Ahn and James Walker. *Public Choice* 117 (3-4) (December 2003): 295-314.
- “The Struggle to Govern the Commons,” with Thomas Dietz and Paul Stern. *Science* 302 (5652) (December 12, 2003): 1907-1912.
- “How Types of Goods and Property Rights Jointly Affect Collective Action.” *Journal of Theoretical Politics* 15(3) (July 2003): 239-270.
- “Introduction,” with T. K. Ahn. In *Foundations of Social Capital*, ed. Elinor Ostrom and T. K. Ahn, xi-xxxix. Cheltenham, UK: Edward Elgar Publishing, 2003.
- “Playing Safe in Coordination Games: The Roles of Risk Dominance, Payoff Dominance, and History of Play,” with David Schmidt, Robert Shupp, and James Walker. *Games and Economic Behavior* 42(2) (February 2003): 281-299.
- “Ideas, Artifacts, and Facilities: Information as a Common-Pool Resource,” with Charlotte Hess. *Law and Contemporary Problems* 66(1&2) (Winter/Spring 2003): 111-145.
- “Water Rights in the Commons,” with Paul Stern and Thomas Dietz. *Water Resources IMPACT* 5(2) (March 2003): 9-12.

- “Redundancy and Diversity: Do They Influence Optimal Management?” with Bobbi Low, Carl Simon, and James Wilson. In *Navigating Social-Ecological Systems: Building Resilience for Complexity and Change*, ed. Fikret Berkes, Johan Colding, and Carl Folke, 83-114. New York: Cambridge University Press, 2003.
- “Managing Resources in the Global Commons.” *Journal of Business Administration and Policy Analysis* 30-31 (2002-03): 401-413.
- “Legal and Political Conditions of Water Resource Development,” with Vincent Ostrom. In *Water Resources and Economic Development*, ed. R. Maria Saleth, 308-321. Northampton, MA: Edward Elgar, 2002.
- “Ecological Systems and Multi-Tier Human Organization,” with Emilio Moran and J. C. Randolph. In *Knowledge Management, Organizational Intelligence and Learning, and Complexity*, ed. L. Douglas Kiel, in *Encyclopedia of Life Support Systems (EOLSS)*. Oxford, UK: Eolss Publishers, 2002.
- “Scaling Issues with Social Data in Integrated Assessment Modeling,” with Tom Evans and Clark Gibson. *Integrated Assessment* 3(2-3) (2002): 135-150.
- “A Social Science Perspective on Social Capital: Social Capital and Collective Action,” with T. K. Ahn. In *Social Capital: Conceptual Explorations*, Elinor Ostrom and T. K. Ahn, Alessandro Pizzorno, and Mark E. Warren, 8-56. Rusel Papers Civic Series no. 1/2002. Exeter, UK: University of Exeter, 2002.
- “The Study of Human-Ecological Systems in the Laboratory.” In *Sustainable Agriculture in Central and Eastern European Countries: The Environmental Effects of Transition and Needs for Change*, Institutional Change in Agriculture and Natural Resources, vol. 10, ed. Franz W. Gatzweiler, Renate Judis, and Konrad Hagedorn, 99-113. Aachen, Germany: Shaker Verlag, 2002.
- “Property-Rights Regimes and Common Goods: A Complex Link.” In *Common Goods: Reinventing European and International Governance*, ed. Adrienne Héritier, 29-57. Lanham, MD: Rowman & Littlefield, 2002.
- “Policy Analysis in the Future of Good Societies.” *PEGS: The Good Society* 11(1) (2002): 42-48.
- “Some Thoughts about Shaking Things Up: Future Directions in Political Science.” *PS: Political Science and Politics* 35(2) (June 2002): 191-192.
- “The Emergence and Outcomes of Collective Action: An Institutional and Ecosystem Approach,” with Celia Futemma, Fabio de Castro, and Maria Clara Silva-Forsberg. *Society and Natural Resources* 15(6) (July 2002): 503-522.
- “Research on the Commons: Lessons for Environmental Resource Managers,” with Paul Stern and Thomas Dietz. *Environmental Practice* 4(2) (June 2002): 61-64.
- “Collective Action, Property Rights and Decentralization in Resource Use in India and Nepal,” with Arun Agrawal. *Politics and Society* 29(4) (December 2001): 485-514.
- “Commons.” *Encyclopedia of Global Change: Environmental Change and Human Society*, 2 vols., 215-218. New York: Oxford University Press, 2001.
- “Commons, Institutional Diversity of.” In *Encyclopedia of Biodiversity*, vol. 1, ed. Simon A. Levin, 777-791. San Diego, CA: Academic Press, 2001.
- “Reformulating the Commons.” In *Protecting the Commons: A Framework for Resource Management in the Americas*, ed. Joanna Burger, Elinor Ostrom, Richard B. Norgaard, David Policansky, and Bernard D. Goldstein, 17-41. Washington, D.C.: Island Press, 2001.
- “Vulnerability and Polycentric Governance Systems.” *IHDP (International Human Dimensions Programme on Global Environmental Change) Newsletter UPDATE* no. 3 (2001): 1, 3-4.
- “Environment and Common Property Institutions.” In *International Encyclopedia of the Social & Behavioral Sciences*, ed. N. J. Smelser and Paul B. Baltes, 4560-4566. Oxford: Pergamon, 2001.
- “The Puzzle of Counterproductive Property Rights Reforms: A Conceptual Analysis.” In *Access to Land, Rural Poverty, and Public Action*, ed. Alain de Janvry, Gustavo Gordillo, Jean-Philippe Platteau, and Elisabeth Sadoulet, 129-150. New York: Oxford University Press, 2001.

- “Collective Action, Property Rights, and Devolution of Forest and Protected Area Management,” with Arun Agrawal. In *Collective Action, Property Rights and Devolution of Natural Resource Management: Exchange of Knowledge and Implications for Policy*, ed. Ruth Meinzen-Dick, Anna Knox, and Monica Di Gregorio, 75-109. Proceedings of the International Conference, Puerto Azul, The Philippines, June 21-25, 1999. Feldafing: German Foundation for International Development (DSE), 2001.
- “Dilemma Games: Game Parameters and Matching Protocols,” with T.K. Ahn, David Schmidt, Robert Shupp, and James Walker. *Journal of Economic Behavior and Organization* 46 (2001): 357-377.
- “Social Dilemmas and Human Behaviour.” In *Economics in Nature: Social Dilemmas, Mate Choice and Biological Markets*, ed. Ronald Noë, Jan A.R.A.M. Van Hooff, and Peter Hammerstein, 21-41. Cambridge: Cambridge University Press, 2001.
- “Decentralization and Development: The New Panacea.” In *Challenges to Democracy: Ideas, Involvement and Institutions* (The PSA Yearbook 2000), ed. Keith Dowding, James Hughes, and Helen Margetts, 237-256. New York: Palgrave, 2001.
- “The Contested Role of Heterogeneity in Collective Action: Some Evidence from Community Forestry in Nepal,” with George Varughese. *World Development* 29(5) (May 2001): 747-765.
- “Cooperation in PD Games: Fear, Greed, and History of Play,” with T. K. Ahn, David Schmidt, Robert Shupp, and James Walker. *Public Choice* 106(1/2) (January 2001): 137-155.
- “Institutional Opportunities and Constraints in the Performance of Farmer-Managed Irrigation Systems in Nepal,” with Neeraj Joshi, Ganesh Shivakoti, and Wai Fung Lam. *Asia-Pacific Journal of Rural Development* 10(2) (December 2000): 67-92.
- “Private and Common Property Rights.” In *Encyclopedia of Law and Economics*, vol. II. Civil Law and Economics, ed. Boudewijn Bouckaert and Gerrit De Geest, 332-379. Cheltenham, England: Edward Elgar, 2000.
- “Collective Action and the Evolution of Social Norms.” *Journal of Economic Perspectives* (13/4) (Summer 2000): 137-158.
- “The Future of Democracy.” *Scandinavian Political Studies* 23(3) (2000): 280-283.
- “Reformulating the Commons.” *Swiss Political Science Review* 6(1) (Spring 2000): 29-52.
- “The Danger of Self-Evident Truths.” *PS: Political Science & Politics* 33(1) (March 2000): 33-44.
- “The Concept of Scale and the Human Dimensions of Global Change: A Survey,” with Clark Gibson and T. K. Ahn. *Ecological Economics* 32(2) (February 2000): 217-239.
- “Crowding Out Citizenship.” *Scandinavian Political Studies* 23(1) (2000): 3-16.
- “The Power and Limitations of Proportional Cutbacks in Common-Pool Resources,” with Roy Gardner, Andrew Herr, and James Walker. *Journal of Development Economics* 62(2000): 515-533.
- “Collective Choice in the Commons: Experimental Results on Proposed Allocation Rules and Votes,” with Roy Gardner, Andrew Herr, and James Walker. *The Economic Journal* 110(460) (January 2000): 212-234.
- “Reforms, Property-Rights Systems, and Development.” *APSA-CP Newsletter* 10(1) (Winter 1999): 20-22.
- “Human-Ecosystem Interactions: A Dynamic Integrated Model,” with Bobbi Low, Robert Costanza, James Wilson, and Carl P. Simon. *Ecological Economics* 31(2) (November 1999): 227-242.
- “Scale Misperceptions and the Spatial Dynamics of a Social-Ecological System,” with James Wilson, Bobbi Low, and Robert Costanza. *Ecological Economics* 31(2) (November 1999): 243-257.
- “Revisiting the Commons: Local Lessons, Global Challenges,” with Joanna Burger, Christopher B. Field, Richard B. Norgaard, and David Policansky. *Science* 284(5412) (1999): 278-282.
- “Polycentricity, Complexity, and the Commons.” *PEGS: The Good Society* 9(2) (1999): 37-41.
- “Social Capital: A Fad or a Fundamental Concept?” In *Social Capital: A Multifaceted Perspective*, ed. Partha Dasgupta and Ismail Serageldin, 172-214. Washington, DC: The World Bank, 1999.

- “Institutional Rational Choice: An Assessment of the Institutional Analysis and Development Framework.” In *Theories of the Policy Process*, ed. Paul A. Sabatier, 35-71. Boulder, CO: Westview Press, 1999.
- “Coping with Tragedies of the Commons.” *Annual Review of Political Science* 2 (1999): 493-535.
- “Reciprocity, Trust, and the Sense of Control: A Cross-Societal Study,” with Nahoko Hayashi, James Walker, and Toshio Yamagishi. *Rationality and Society* 11(1) (February 1999): 27-46.
- “The International Forestry Resources and Institutions Research Program: A Methodology for Relating Human Incentives and Actions on Forest Cover and Biodiversity.” In *Forest Biodiversity in North, Central and South America, and the Caribbean: Research and Monitoring*, Man and the Biosphere Series, vol. 21, ed. F. Dallmeier and J. A. Comiskey, 1-28. Paris: UNESCO; New York: Parthenon, 1998.
- “Institutional Analysis, Design Principles, and Threats to Sustainable Community Governance and Management of Commons.” In *Law and the Governance of Renewable Resources: Studies from Northern Europe and Africa*, ed. Erling Berge and Nils Christian Stenseth, 27-53. Oakland, CA: ICS Press, 1999.
- “Self-Governance of Common-Pool Resources.” In *The New Palgrave Dictionary of Economics and the Law*, vol. 3, ed. Peter Newman, 424-433. London: Macmillan Press, 1998.
- “Norms and Efficiency.” In Samuel Bowles and Herbert Gintis (1998) *Recasting Egalitarianism: New Rules for Communities, States and Markets*, The Real Utopias Project, vol. III, ed. Erik Olin Wright, 113-120. London and New York: Verso, 1998.
- “The Institutional Analysis and Development Approach.” In *Designing Institutions for Environmental and Resource Management*, ed. Edna Tusak Loehman and D. Marc Kilgour, 68-90. Cheltenham, UK: Edward Elgar, 1998.
- “The Comparative Study of Public Economies.” Acceptance paper for the Frank E. Seidman Distinguished Award in Political Economy, Rhodes College, Memphis, TN, September 26, 1997. Memphis, TN: P. K. Seidman Foundation, 1998. Also published in: *The American Economist* 42 (Spring 1998): 3-17.
- “Scales, Polycentricity, and Incentives: Designing Complexity to Govern Complexity.” In *Protection of Global Biodiversity: Converging Strategies*, ed. Lakshman D. Guruswamy and Jeffrey A. McNeely, 149-167. Durham, NC: Duke University Press, 1998.
- “Reflections on the Commons.” In *Managing the Commons*, ed. John A. Baden and Douglas S. Noonan, 95-116. Bloomington: Indiana University Press, 1998.
- “A Behavioral Approach to the Rational Choice Theory of Collective Action,” Presidential Address, American Political Science Association, 1997. *American Political Science Review* 92(1) (March 1998): 1-22.
- “Cultures: Frameworks, Theories, and Models,” with Vincent Ostrom. In *Culture Matters: Essays in Memory of Aaron Wildavsky*, ed. Richard J. Ellis and Michael Thompson, 79-88. Boulder, CO: Westview Press, 1997.
- “Investing in Capital, Institutions, and Incentives.” In *Institutions and Economic Development: Growth and Governance in Less-Developed and Post-Socialist Countries*, ed. Christopher Clague, 153-181. Baltimore, MD: John Hopkins University Press, 1997.
- “Crossing the Great Divide: Coproduction, Synergy, and Development.” In *State-Society Synergy: Government and Social Capital in Development*, ed. Peter Evans, 85-118. Berkeley: University of California, 1997.
- “The Institutional Analysis and Development Framework: Application to Irrigation Policy in Nepal,” with Wai Fung Lam and Myungsuk Lee. In *Policy Studies and Developing Nations: An Institutional and Implementation Focus*, ed. Derick W. Brinkerhoff, 53-85, vol. 5. Greenwich, CT: JAI Press, 1997.
- “Theory, Field, and Laboratory: The Continuing Dialogue,” with Roy Gardner and James Walker. In *Understanding Strategic Interaction: Essays in Honor of Reinhard Selten*, ed. Wulf Albers,

- Werner Güth, Peter Hammerstein, Benny Moldovanu, and Eric van Damme, 386-393. Berlin: Springer-Verlag, 1997.
- “Neither Markets Nor States: Linking Transformation Processes in Collective Action Arenas,” with James Walker. In *Perspectives on Public Choice: A Handbook*, ed. Dennis C. Mueller, 35-72. Cambridge: Cambridge University Press, 1997.
- “The Formation of Property Rights,” with Edella Schlager. In *Rights to Nature: Ecological, Economic, Cultural, and Political Principles of Institutions for the Environment*, ed. Susan Hanna, Carl Folke, and Karl-Gorän Mäler, 127-156. Washington, DC: Island Press, 1996.
- “Covenants, Collective Action, and Common-Pool Resources.” In *The Constitution of Good Societies*, ed. Karol Edward Soltan and Stephen L. Elkin, 23-38. University Park: Pennsylvania State University Press, 1996.
- “Crossing the Great Divide: Coproduction, Synergy, and Development.” *World Development* 24(6) (June 1996): 1073-1087.
- “Incentives, Rules of the Game, and Development.” In *Proceedings of the Annual World Bank Conference on Development Economics 1995*, 207-234. Washington, DC: The World Bank, 1996.
- “Design Principles for Local and Global Commons,” with Michael McGinnis. In *The International Political Economy and International Institutions, Volume II*, ed. Oran R. Young, 465-493. Cheltenham, UK: Edward Elgar, 1996.
- “Civic Education for the Next Century: A Task Force to Initiate Professional Activity.” *PS: Political Science & Politics* XXIX(4) (December 1996): 755-758.
- “Human Ecology and Resource Sustainability: The Importance of Institutional Diversity,” with C. Dustin Becker. *Annual Review of Ecology and Systematics* 26 (1995): 113-133.
- “Designing Complexity to Govern Complexity.” In *Property Rights and the Environment: Social and Ecological Issues*, ed. Susan Hanna and Mohan Munasinghe, 33-45. Washington, DC: The Beijer International Institute of Ecological Economics and The World Bank, 1995.
- “Common Property Regimes in the Forest: Just a Relic from the Past?” with Margaret McKean. *Unasylva* 46(180) (January 1995), 3-15.
- “Self-Organization and Social Capital.” *Industrial and Corporate Change* 4(1) (1995): 131-159.
- “Institutional Analysis, Design Principles and Threats to Sustainable Community Governance and Management of Commons.” In *Community Management and Common Property of Coastal Fisheries in Asia and the Pacific: Concepts, Methods and Experiences*, ed. R. S. Pomeroy, 34-50. Manila, Philippines: International Center for Living Aquatic Resources Management (ICLARM), 1994.
- “The Performance of Self-Governing Irrigation Systems in Nepal,” with Wai Fung Lam and Myungsuk Lee. *Human Systems Management* 13(3) (1994): 197-207.
- “Constituting Social Capital and Collective Action.” *Journal of Theoretical Politics* 6(4) (Special issue, October 1994): 527-562.
- “Neither Market Nor State: Governance of Common-Pool Resources in the Twenty-First Century.” International Food Policy Research Institute (IFPRI) Lecture Series no. 2, presented June 2, 1994, Washington, DC.
- “Self-Organizing Resource Regimes: A Brief Report on a Decade of Policy Analysis.” *Policy Currents* 4(3) (August 1994): pp. 1ff.
- “Social Capital and Cooperation: Communication, Bounded Rationality, and Behavioral Heuristics,” with Roy Gardner and James Walker. In *Social Dilemmas and Cooperation*, ed. Ulrich Schulz, Wulf Albers, and Ulrich Mueller, 375-411. Berlin: Springer-Verlag, 1994.
- “Coping with Asymmetries in the Commons: Self-Governing Irrigation Systems Can Work,” with Roy Gardner. *Journal of Economic Perspectives* 7(4) (Fall 1993): 93-112.
- “Design Principles in Long-Enduring Irrigation Institutions.” *Water Resources Research* 29(7) (July 1993): 1907-1912.

- “The Governance and Management of Irrigation Systems: An Institutional Perspective,” with Shui Yan Tang. Overseas Development Institute Irrigation Management Network Paper No. 23 (June 1993): 1-26.
- “Property-Rights Regimes and Coastal Fisheries: An Empirical Analysis,” with Edella Schlager. In *The Political Economy of Customs and Culture: Informal Solutions to the Commons Problem*, ed. Terry L. Anderson and Randy T. Simmons, 13-41. Lanham, MD: Rowman & Littlefield, 1993.
- “Nonprofit Organizations as Alternatives and Complements in a Mixed Economy,” with Gina Davis. In *Nonprofit Organizations in a Market Economy: Understanding New Roles, Issues, and Trends*, ed. David C. Hammack and Dennis R. Young, 23-56. San Francisco: Jossey-Bass, 1993.
- “Irrigation Institutions and the Games Irrigators Play: Rules Enforcement in Government- and Farmer-Managed Systems,” with Franz Weissing. In *Games in Hierarchies and Networks: Analytical and Empirical Approaches to the Study of Governance Institutions*, ed. Fritz W. Scharpf, 387-428. Frankfurt: Campus; Boulder, CO: Westview Press, 1993.
- “A Communitarian Approach to Local Governance.” *National Civic Review* 82(3) (August 1993): 226-233.
- “Design Principles and the Performance of Farmer-Managed Irrigation Systems in Nepal,” with Paul Benjamin. In *Performance Measurement in Farmer-Managed Irrigation Systems*, ed. Shaul Manor and Jorge Chamboleyron, 53–62. Colombo, Sri Lanka: IIMI, 1993.
- “Consent and the Provision of Local Public Goods and Services: Some Reflections from Ghanaian and Nigerian Experiences,” with Tina West. In *Development by Consent: The Voluntary Supply of Public Goods and Services*, ed. Jerry Jenkins and David E. Sisk, 79-115. San Francisco, CA: ICS Press, 1993.
- “A Relational Archive for Natural Resources Governance and Management,” with Sharon Huckfeldt, Charles Schweik, and Mary Beth Wertime. In *Application of Advanced Information Technologies: Effective Management of Natural Resources*, ed. Conrad Heatwole, 65-74. St. Joseph, MI: American Society of Agricultural Engineers, 1993.
- “Covenanting, Co-Producing, and the Good Society.” *The Newsletter of PEGS* (Committee on the Political Economy of the Good Society) 3(2) (Summer 1993): 7-9.
- “Analyzing the Performance of Alternative Institutional Arrangements for Sustaining Rural Infrastructure in Developing Countries,” with Larry Schroeder and Susan Wynne. *Journal of Public Administration Research and Theory* 3(1) (January 1993): 11-45.
- “Policy Analysis of Collective Action and Self-Governance.” In *Advances in Policy Studies Since 1950*, ed. William N. Dunn and Rita Mae Kelly, 81-119. Policy Studies Review Annual, vol. 10. New Brunswick, NJ: Transaction Publishers, 1992.
- “The Rudiments of a Theory of the Origins, Survival, and Performance of Common Property Institutions.” In *Making the Commons Work: Theory, Practice, and Policy*, ed. Daniel W. Bromley, et al., 293-318. San Francisco: ICS Press, 1992.
- “Institutional Analysis and Global Climate Change: Design Principles for Robust International Regimes,” with Michael McGinnis. In *Global Climate Change: Social and Economic Research Issues*, ed. Marian Rice, Joel Snow, and Harold Jacobson, 45-85. Proceedings of a Conference Held at Argonne National Laboratory, Chicago, IL, February 11-13, 1992.
- “Property-Rights Regimes and Natural Resources: A Conceptual Analysis,” with Edella Schlager. *Land Economics* 68(3) (August 1992): 249-262.
- “Community and the Endogenous Solution of Commons Problems.” *Journal of Theoretical Politics* 4(3) (July 1992): 343-351.
- “Covenants With and Without a Sword: Self-Governance is Possible,” with James Walker and Roy Gardner. *American Political Science Review* 86(2) (June 1992): 404-417.
- “A Method of Institutional Analysis and an Application to Multiorganizational Arrangements.” In *The Public Sector—Challenge for Coordination and Learning*, ed. Franz-Xaver Kaufmann, 501-523. Berlin and New York: Walter de Gruyter, 1992.

- “A Public Economy Approach to Education: Choice and Co-Production,” with Gina Davis. *International Political Science Review* 12(4) (October 1991): 313-335.
- “Rent Dissipation and Balanced Deviation Disequilibrium in Common Pool Resources: Experimental Evidence,” with James Walker and Roy Gardner. In *Game Equilibrium Models II: Methods, Morals, and Markets*, ed. Reinhard Selten, 337-367. Berlin: Springer Verlag, 1991.
- “Irrigation Institutions and the Games Irrigators Play: Rule Enforcement Without Guards,” with Franz Weissing. In *Game Equilibrium Models II: Methods, Morals, and Markets*, ed. Reinhard Selten, 188-262. Berlin: Springer Verlag, 1991.
- “Communication in a Commons: Cooperation Without External Enforcement,” with James Walker. In *Contemporary Laboratory Research in Political Economy*, ed. Thomas R. Palfrey, 287-322. Ann Arbor: University of Michigan Press, 1991.
- “Crime and Punishment: Further Reflections on the Counterintuitive Results of Mixed Equilibria Games,” with Franz Weissing. *Journal of Theoretical Politics* 3(3) (July 1991): 343-350.
- “Rules and Games,” with Roy Gardner. *Public Choice* 70(2) (May 1991): 121-149.
- “Rational-Choice Theory and Institutional Analysis: Towards Complementarity.” *American Political Science Review* 85(1) (March 1991): 237-250.
- “Rent Dissipation in a Limited-Access Common-Pool Resource: Experimental Evidence,” with Roy Gardner and James Walker. *Journal of Environmental Economics and Management* 19:203-211.
- “The Nature of Common-Pool Resource Problems,” with Roy Gardner and James Walker. *Rationality and Society* 2(3) (July 1990): 335-358.
- “Microconstitutional Change in Multiconstitutional Political Systems.” *Rationality and Society* 1(1) (July 1989): 11-50.
- “Putting the Citizen Back in the City.” *Junior League Review* (February 1989), 6-8.
- “Performance Measurement,” with Gordon P. Whitaker, Stephen Mastrofski, Roger B. Parks, and Stephen L. Percy. In *The Encyclopedia of Police Science*, ed. William G. Bailey, 384-390. New York: Garland Publishing, 1989.
- “Institutional Arrangements and the Commons Dilemma.” In *Rethinking Institutional Analysis and Development*, ed. Vincent Ostrom, David Feeny, and Hartmut Picht, 103-139. San Francisco: ICS Press, 1988.
- “Institutional Arrangements for Resolving the Commons Dilemma: Some Contending Approaches.” In *The Question of the Commons. The Culture and Ecology of Communal Resources*, ed. Bonnie J. McCay and James M. Acheson, 250-265. Tucson: University of Arizona Press, 1987.
- “Issues of Definition and Theory: Some Conclusions and Hypotheses.” In *Proceedings of the Conference on Common Property Resource Management*, ed. National Research Council, 597-615. Washington, DC: National Academy Press, 1986.
- “Multiorganizational Arrangements and Coordination: An Application of Institutional Analysis.” In *Guidance, Control, and Evaluation in the Public Sector*, ed. F. X. Kaufmann, G. Majone, and V. Ostrom, 495-510. Berlin and New York: de Gruyter, 1986.
- “A Method of Institutional Analysis.” In *Guidance, Control, and Evaluation in the Public Sector*, ed. F. X. Kaufmann, G. Majone, and V. Ostrom, 459-475. Berlin and New York: de Gruyter, 1986.
- “An Agenda for the Study of Institutions.” *Public Choice* 48 (1986): 3-25.
- “Some Reflections on Urban Pathologies.” In *Pathologies of Urban Processes*, ed. Kingsley E. Haynes, Antoni Kuklinski, and Olli Kultalahti, 69-72. Finland: Finn publishers, 1985.
- “An Alternative Perspective on Democratic Dilemmas.” *Policy Studies Review* 4(3) (February 1985): 412-416.
- “Institutional Capacity and the Resolution of a Commons Dilemma,” with William Blomquist. *Policy Studies Review* 5(2) (November 1985): 383-393.
- “Racial Inequalities in Low-Income Central City and Suburban Communities: The Case of Police Services.” In *Policy Implementation in Federal and Unitary Systems*, ed. Kenneth Hanf and Theo A.J. Toonen, 235-265. Dordrecht, The Netherlands: Martinus Nijhoff Publishers, 1985.

- “Policing as a Multi-Firm Industry,” with Roger B. Parks. In Gordon P. Whitaker, ed. *Understanding Police Agency Performance*. Washington, D.C.: U.S. Department of Justice, National Institute of Justice, 1984, pp. 7-22.
- “Analytical Tools for Institutional Design.” In *Institutional Development: Improving Management in Developing Countries: Reports on a Seminar Series*. Washington, D.C.: The American Consortium for International Public Administration, 1984.
- “Equity in Police Services.” In *Evaluating Performance of Criminal Justice Agencies*, ed. Gordon P. Whitaker and Charles D. Phillips, 99-125. Beverly Hills: Sage Publications, 1983.
- “The Social Stratification-Government Inequality Thesis Explored.” *Urban Affairs Quarterly* 19(1) (September 1983): 91-112.
- “A Public Service Industry Approach to the Study of Local Government Structure and Performance.” *Policy and Politics* 11(3) (1983): 313-341.
- “A Public Choice Approach to Metropolitan Institutions: Structure, Incentives, and Performance.” *Social Science Journal* 20(3) (July 1983): 79-96.
- “The Three Worlds of Action. A Meta-Theoretical Synthesis of Institutional Approaches,” with Larry L. Kiser. In *Strategies of Political Inquiry*, ed. Elinor Ostrom, 179-222. Beverly Hills: Sage Publications, 1982.
- “Coproduction of Public Services,” with Roger B. Parks, Paula C. Baker, Larry L. Kiser, Ron Oakerson, Vincent Ostrom, Stephen Percy, Martha Vandivort, Gordon P. Whitaker, and Rick Wilson. In *Analyzing Urban-Service Distributions*, ed. Richard C. Rich, 185-199. Lexington, MA: Lexington Books, 1982.
- “Synthesis: The Benefits of Coherence and Precision.” In *Missing Elements in Political Inquiry: Logic and Levels of Analysis*, ed. Judith A. Gillespie and Dina A. Zinnes, 81-85. Beverly Hills, CA: Sage, 1982.
- “Urban Policy Analysis: A New Research Agenda,” with Terry Nichols Clark, et al. In *Urban Policy Analysis*, ed. Terry Nichols Clark, 23-77. Urban Affairs Annual Review, vol. 21. Beverly Hills: Sage Publications, 1981.
- “Consumers as Coproducers of Public Services: Some Economic and Institutional Considerations,” with Roger B. Parks, Paula Baker, Larry Kiser, Ronald J. Oakerson, Vincent Ostrom, Stephen L. Percy, Martha Vandivort, Gordon P. Whitaker, and Rick Wilson. *Policy Studies Journal* 9 (Summer 1981): 1001-1011. Reprinted in: Michael McGinnis, ed., *Polycentricity and Local Public Economies: Readings from the Workshop in Political Theory and Policy Analysis* (Ann Arbor: University of Michigan Press, 1999, pp. 381-391).
- “Complex Models of Urban Service Systems,” with Roger B. Parks. In *Urban Policy Analysis*, ed. Terry Nichols Clark, 171-199. Urban Affairs Annual Review, vol. 21. Beverly Hills: Sage Publications, 1981.
- “Is It B or Not-B? That is the Question.” *Social Science Quarterly* 61(2) (September 1980): 198-202.
- “Evaluating Police Organization,” with Roger B. Parks, Stephen L. Percy, and Gordon P. Whitaker. *Public Productivity Review* 3(3) (Winter 1979): 3-27.
- “Interjurisdictional Arrangements to Share Power.” In *Self Rule/Shared Rule: Federal Solutions to the Middle East Conflict*, ed. Daniel J. Elazar, 169-176. Ramat Gan, Israel: Turtledove Publishing, 1979.
- “The Public Service Production Process: A Framework for Analyzing Police Services,” with Roger B. Parks, Gordon P. Whitaker, and Stephen L. Percy. In *Evaluating Alternative Law-Enforcement Policies*, ed. Ralph Baker and Fred A. Meyer, Jr., 65-73. Lexington, MA: D. C. Heath, 1979.
- “Policing: Is There a System?” with Roger B. Parks and Gordon P. Whitaker. In *Crime and Justice in America: Critical Issues for the Future*, ed. John T. O’Brien and Marvin Marcus, 3-42. Elmsford, NY: Pergamon Press, 1979. Also published in *The Policy Cycle*, ed. Judith V. May and Aaron Wildavsky, 111-143. Sage Yearbooks in Politics and Public Policy, vol. 5. Beverly Hills: Sage Publications, 1978.

- “Citizen Participation in Policing: What Do We Know?” *Journal of Voluntary Action Research* 7(1-2) (January-June 1978): 102-108.
- “The Public Service Production Process: A Framework for Analyzing Police Services,” with Roger B. Parks, Gordon P. Whitaker, and Stephen L. Percy. *Policy Studies Journal* 7 (Special Issue, 1978): 381-389.
- “Some Evidence on the Effects of Police Agency Size,” with Roger B. Parks and Gordon P. Whitaker. *The Police Chief* 45(2) (February 1978): 28-31.
- “Police Agency Size: Some Evidence on Its Effects,” with Roger B. Parks and Gordon P. Whitaker. *Police Studies* 1(1) (March 1978): 34-46.
- “Public Goods and Public Choices,” with Vincent Ostrom. In E. S. Savas, ed. *Alternatives for Delivering Public Services: Toward Improved Performance*. Boulder, CO: Westview Press, 1977, pp. 7-49. Reprinted in: Michael McGinnis, ed., *Polycentricity and Local Public Economies: Readings from the Workshop in Political Theory and Policy Analysis* (Ann Arbor: University of Michigan Press, 1999, pp. 75-103).
- “A Theory for Institutional Analysis of Common Pool Problems,” with Vincent Ostrom. In *Managing the Commons*, ed. Garrett Hardin and John Baden, 157-173. San Francisco: W. H. Freeman, 1977.
- “Collective Action and the Tragedy of the Commons.” In *Managing the Commons*, ed. Garrett Hardin and John Baden, 173-181. San Francisco: W. H. Freeman, 1977.
- “Multi-Mode Approaches to the Measurement of Government Productivity.” In *Delivery of Urban Services: Productivity Evaluation, Citizen Access and University-City Relations*, ed. Robert W. Gage and R. D. Sloan, Jr., 45-56. Boulder: University of Colorado, Bureau of Governmental Research and Service, 1976.
- “Multiplicity of Local Governments: A Logical Explanation.” In *Aspects of Planning for Public Services in Rural Areas*, ed. David L. Rogers and Larry R. Whiting, 129-174. Ames, IA: North Central Regional Center for Rural Development, 1976.
- “Using Budget Pies to Reveal Preferences: Validation of a Survey Instrument,” with John P. McIver. In *Citizen Preferences and Urban Public Policy*, ed. Terry Nichols Clark, 87-110. Also appeared in *Policy and Politics* 4(4) (June/Special Issue, 1976): 87-110.
- “On the Fate of Lilliputs in Metropolitan Policing,” with Dennis Smith. *Public Administration Review* 36(2) (March/April 1976): 192-200. Also published in *Public Planning and Control of Urban and Land Development Cases and Materials*, ed. Donald G. Hagman, 323-327. St. Paul, MN: West Publishing Company, 1980.
- “Size and Performance in a Federal System.” *Publius* 6(2) (Spring 1976): 33-73.
- “Why Do We Need Multiple Indicators of Public Service Outputs?” National Conference on Nonmetropolitan Community Services Research. Washington, D.C.: U.S. Government Printing Office, 1976, pp. 277-286. Reprinted in: Michael McGinnis, ed., *Polycentricity and Local Public Economies: Readings from the Workshop in Political Theory and Policy Analysis* (Ann Arbor: University of Michigan Press, 1999, pp. 163-175).
- “The Design of Institutional Arrangements and the Responsiveness of the Police.” In *People vs. Government: The Responsiveness of American Institutions*, ed. Leroy N. Rieselbach, 274-364. Bloomington: Indiana University Press, 1975.
- “On Righteousness, Evidence and Reform: The Police Story.” *Urban Affairs Quarterly* 10 (June 1975): 464-486.
- “The Need for Multiple Indicators in Measuring the Output of Public Agencies.” In *Methodologies for Analyzing Public Policies*, ed. Frank P. Scioli, Jr. and Thomas J. Cook, 13-24. Lexington, MA: Lexington Books, 1975. Originally published in: *Policy Studies Journal* 2(2) (Winter 1973): 85-92.
- “Defining and Measuring Structural Variations in Interorganizational Arrangements,” with Roger B. Parks and Gordon P. Whitaker. *Publius* 4 (Fall 1974): 87-108.

- “Improving the Performance of Local Government From the Citizen’s Point of View.” In *Increasing Understanding of Public Problems and Policies – 1974*, 103-113. Chicago, IL: Farm Foundation, 1974.
- “Exclusion, Choice and Divisibility: Factors Affecting the Measurement of Urban Agency Output and Impact.” *Social Science Quarterly* 54(4) (March 1974): 691-699.
- “The Effects of Training and Education on Police Attitudes and Performance: A Preliminary Analysis,” with Dennis C. Smith. In *The Potential for Reform of Criminal Justice*, ed. Herbert Jacob, 45-81. Sage Criminal Justice System Annuals, vol. 3. Beverly Hills: Sage Publications, 1974.
- “Ventures in Teaching and Research.” *The Review* 16 (Winter 1974): 10-17.
- “Community Control and Government Responsiveness: The Case of Police in Black Communities,” with Gordon P. Whitaker. In *Improving the Quality of Urban Management*, ed. David Rogers and Willis Hawley, Urban Affairs Annual Reviews, vol. 8, 303-334. Beverly Hills: Sage Publications, 1974.
- “Do We Really Want to Consolidate Urban Police Forces? A Reappraisal of Some Old Assumptions,” with Gordon P. Whitaker and Roger B. Parks. *Public Administration Review* 33 (September/October 1973): 423-433.
- “On the Meaning and Measurement of Output and Efficiency in the Provision of Urban Police Services.” *Journal of Criminal Justice* 1 (June 1973): 93-111.
- “Does Local Community Control of Police Make a Difference? Some Preliminary Findings,” with Gordon P. Whitaker. *American Journal of Political Science* 17 (February 1973): 48-76.
- “Suburban Police Departments: Too Many and Too Small?” In *The Urbanization of the Suburbs*, ed. Louis H. Masotti and Jeffrey K. Hadden, Urban Affairs Annual Reviews, vol. 7, 367-402. Beverly Hills: Sage Publications, 1973.
- “Metropolitan Reform: Propositions Derived from Two Traditions.” *Social Science Quarterly* 53 (December 1972): 474-493.
- “Legal and Political Conditions of Water Resource Development,” with Vincent Ostrom. *Land Economics* 48 (February 1972): 1-14.
- “Institutional Arrangements and the Measurement of Policy Consequences in Urban Areas.” *Urban Affairs Quarterly* 6 (June 1971): 447-475.
- “Public Choice: A Different Approach to the Study of Public Administration,” with Vincent Ostrom. *Public Administration Review* 31(2) (March/April 1971): 203-216.
- “A Political Theory for Institutional Analysis,” with Vincent Ostrom. In *Resource Management in the Great Lakes Basin*, ed. F. A. Butrico, C. J. Touhill, and I. L. Whitman, 173-186. Lexington, MA: D. C. Heath, 1971.
- “Conditions of Legal and Political Feasibility,” with Vincent Ostrom. In *Natural Resource Systems Models in Decision Making*, ed. Gerrit H. Toebes. Lafayette, IN: Purdue University, Water Resource Research Center, 1970.
- “Problems for Institutional Analysis of the Great Lakes Basin,” with Vincent Ostrom and Ira L. Whitman. In *Proceedings: Thirteenth Conference on Great Lakes Research*, 156-167. Toronto, Ontario: International Association for Great Lakes Research, 1970.
- “Some Postulated Effects of Learning on Constitutional Behavior.” *Public Choice* 5 (Fall 1968): 87-104.
- “A Behavioral Approach to the Study of Intergovernmental Relations,” with Vincent Ostrom. *The Annals of the American Academy of Political and Social Sciences* 359 (May 1965): 137-146.

Recent Presentations:

- “Constructing Common Property Regimes.” Keynote address presented for the “Festival of the Commons,” Augsburg College, Minneapolis, MN, October 7, 2011.
- “Polycentric Institutions to Cope with Ecological and Social Diversity.” Lecture presented for the Hilldale Lecture Series, University of Wisconsin-Madison, Madison, WI, October 6, 2011.

- “The Role of Culture in Solving Social Dilemmas.” Keynote lecture presented at the Convening Cultural Commons Workshop, NYU School of Law, New York, NY, September 23, 2011.
- “Thinking About Climate Change as a Commons.” Philip Gamble Memorial Lecture presented at the University of Massachusetts, Amherst, MA, September 22, 2011.
- “Protecting Institutional Diversity.” Lecture presented for the Illahee Lecture Series, Illahee: A Forum for Environmental Innovators, Portland, OR, August 31, 2011.
- “Forestry Development and Institutions in an Era of Climate Change.” Inaugural lecture presented via videoconference for the IX National Forest Congress, Antigua, Guatemala, August 10, 2011.
- “The Future of the Commons.” Lecture presented via videoconference for the Now Future Dialogues with Tomorrow 2011 Lecture Series, New Zealand, August 4, 2011.
- “A Polycentric Approach to Climate Change.” Thor Heyerdahl International Speech presented at the Thor Heyerdahl International Day 2011, Norwegian University of Life Science, Ås, Norway, June 27, 2011.
- “Cooperating for the Common Good: Challenging Supposed Impossibilities and Panaceas.” Lecture presented at the Thor Heyerdahl Summer School in Environmental Governance, Norwegian University of Life Science, Ås, Norway, June 25, 2011.
- “Coping with Complexity.” Lecture presented at the Thor Heyerdahl Summer School in Environmental Governance, Norwegian University of Life Science, Ås, Norway, June 25, 2011.
- “Reflections on Future Developments in Social-Ecological Systems.” Seminar presented at the Organization for Economic Co-operation and Development (OCDE), Paris, France, June 23, 2011.
- “Sustainable Social-Ecological Systems.” Lecture presented at the United Nations Educational, Scientific, and Cultural Organization (UNESCO), Paris, France, June 22, 2011.
- “Neither State Nor Market: Community Organization of Resources.” Lecture presented at Université Montpellier 1, Montpellier, France, June 20, 2011.
- “Cooperating for the Public Good: Self Governance, Polycentricity, and the Commons.” Keynote address presented via videoconference for the Association Federico Caffè Study Center and the National Association of the Italian Popular Banks’ Conference on “Governing the Commons,” Rome, Italy, June 13, 2011.
- “What Have We Learned About Self-Organizing to Obtain Collective Goods.” Speech presented at the CWA Local 4730 Reception, Indiana University, Bloomington, IN, June 10, 2011.
- “Shared Ontologies for the Representation of Social-Ecological Systems from Local to Global Levels.” Keynote address presented via Skype for the European Science Foundation’s Conference on “Water Governance: Meeting the Challenges of Global Change,” Universitätszentrum Obergurgl, Austria, June 8, 2011.
- “Protecting Institutional Diversity.” Keynote address presented at the 12th Annual Conference of the Association for Public Economic Theory, Indiana University, Bloomington, IN, June 2, 2011.
- “Cooperating for the Public Good.” Lecture presented at the China University of Political Science and Law, Beijing, China, May 10, 2011.
- “Diagnosing Social Ecological Systems.” Lecture presented at Tsinghua Forum, Tsinghua University, Beijing, China, May 9, 2011.
- “Cooperating for the Public Good: Self-Governance, Polycentricity, and Development.” Lecture presented at the Conference on “Self-Governance, Polycentricity, and Development” at Renmin University of China, Beijing, China, May 8, 2011.
- “A Social Ecological Approach to Sustainability.” Lecture presented at Sun Yat-Sen University, Guangzhou, China, May 6, 2011.
- “Rethinking Environmental Protection and Politics.” Centenary Distinguished Lecture presented at the University of Hong Kong, Pokfulam, Hong Kong, May 3, 2011.
- “Protecting Institutional Diversity.” Stein Rokkan Lecture presented at the University of St. Gallen, St. Gallen, Switzerland, April 16, 2011.

- “Offbeat Economics: Looking Back and Looking Forward.” Presentation for the “Offbeat Economics” Symposium in honor of Bruno Frey’s 70th Birthday, Zurich, Switzerland, April 13, 2011.
- “Helping Make Bloomington Greener.” Speech presented at Green Drinks Bloomington, Bloomington, IN, March 23, 2011.
- “Thinking About the Future.” Plenary address presented at the Second International Science and Policy Conference on “Resilience, Innovation, and Sustainability: Navigating the Complexities of Global Change,” Arizona State University, Tempe, AZ, March 15, 2011.
- “A Polycentric Approach to Climate Change.” Keynote speech at the Economic Club of Phoenix, Phoenix, AZ, March 15, 2011.
- “Lecture 1: A Social-Ecological Systems Approach to Sustainability” and “Lecture 2: Analyzing 100-Year-Old Irrigation Puzzles.” Synopses prepared January 1, 2011 for Stanford Tanner Lectures in Human Values to be presented at Stanford University, February 16-18, 2011.
- “Updating the Theory of Collective Action and the Environment.” Presentation at the IU Retirees’ Association monthly meeting in coordination with the Emeriti House, Indiana University Foundation, Bloomington, IN, February 9, 2011.
- “Diagnosing Social-Ecological Systems.” Keynote address presented at the IUCN CEESP Conference on “Sharing Power: A New Vision for Development,” Whakatane, New Zealand, January 15, 2011.
- “Assessing Forest Change in Human Impacted Forests,” with Harini Nagendra. Paper presented at the 13th Biennial Conference of the International Association for the Study of the Commons (IASC), Hyderabad, India, January 11, 2011.
- “Cooperating for the Common Good: Challenging Supposed Impossibilities and Panaceas.” Keynote address presented at the 13th Biennial Conference of the International Association for the Study of the Commons (IASC), Hyderabad, India, January 10, 2011.
- “The Challenge of Self-Organizing to Govern Commons.” Bharat Ram Memorial Lecture, Delhi, India, January 5, 2011.
- “The Challenges We Faced.” Commencement Address, Michigan State University, East Lansing, MI, December 10, 2010.
- “Institutional Robustness: How Institutional Arrangements Facilitate or Detract from Efforts to Sustain Ecological Systems.” Rachel Carson Distinguished Lecture, Michigan State University, East Lansing, MI, December 10, 2010.
- “The Challenges We Faced.” Convocation Address, Kathmandu University, Dhulikhel, Nepal, December 8, 2010.
- “Institutions and Resources.” Mahesh Chandra Regmi Lecture, Kathmandu, Nepal, December 7, 2010.
- “The Challenge of Reforming Resource Governance.” Lecture presented at the SANDEE Board Meeting, Kathmandu, Nepal, December 7, 2010.
- “The Potential Role of Communities in Sustaining Forest Resources.” Keynote address presented at the meeting of the Secretaries of the Government of Nepal on “Participatory Approach in Public Service Delivery,” Kathmandu, Nepal, December 6, 2010.
- “The Evolution of Rules that Enhance Cooperation in Diverse Settings.” Presentation at the “Evolution of Cooperation: Paradoxes of Collectivity & Individuality” Workshop, Indiana University, Bloomington, IN, December 3, 2010.
- “What Can We All Do to Reduce the Threat of Climate Change?” Presentation at Sycamore Land Trust’s Community Actions Against Climate Change Forum, Indiana University, Bloomington, IN, December 2, 2010.
- “Transitions in the Management of the Swiss Common Property Meadows SES: How Governance Systems Adapt to Changing Boundary Conditions,” with Ivo Baur and Claudia Binder. Paper presented at the SES Club Meeting, Indiana University, Workshop in Political Theory and Policy Analysis, Bloomington, IN, December 1, 2010.

- “Disentangle the Action Box: A Comparison of Frameworks for Representing Collective Action in Resource Governance and Management Contexts,” with Claudia Pahl-Wostl and Michael McGinnis. Paper presented at the SES Club Meeting, Indiana University, Workshop in Political Theory and Policy Analysis, Bloomington, IN, November 30, 2010.
- “Applying a Social-Ecological System Framework to the Study of the Taos Valley Irrigation System,” with Michael Cox. Paper presented at the SES Club Meeting, Indiana University, Workshop in Political Theory and Policy Analysis, Bloomington, IN, November 30, 2010.
- “Collective Action and the Commons: Findings from the Field and the Lab.” Distinguished Guest Lecture, Southern Economic Association Annual Meeting, Atlanta, GA, November 20, 2010.
- “Diagnosing Social Ecological Systems.” Kathryn Fuller Science for Nature Seminar, World Wildlife Fund, Washington, DC, November 18, 2010.
- “The Challenge of Self-Governance in Complex Contemporary Environments.” Burkett Miller Distinguished Lecture, University of Tennessee, Chattanooga, TN, November 17, 2010.
- “Coping with Challenges.” Presentation at the Colloquium for Women of Indiana University, Bloomington, IN, November 12, 2010.
- “Institutions and Sustainability of Ecological Systems.” Paper presented at the conference on “The Legacy and Work of Douglass C. North,” Washington University, St. Louis, MO, November 4-6, 2010.
- “What Can We Do About Climate Change?” Keynote address presented at the 2010 Women in Technology Conference, Indiana University, Bloomington, IN, October 28, 2010.
- “Unconventional Wisdom: Coping with Climate Change at Multiple Scales.” Senator George J. Mitchell Lecture on Sustainability presented at the University of Maine, Orono, ME, October 21, 2010.
- “A Polycentric Approach to Climate Change.” Presentation for a faculty seminar at Rutgers University, New Brunswick, NJ, October 20, 2010.
- “Institutional Robustness: How Institutional Arrangements Facilitate or Detract from Efforts to Sustain Ecological Systems.” Public lecture for the “Ecologies in the Balance” Series at Rutgers University, New Brunswick, NJ, October 20, 2010.
- “Why Climate Change is NOT Simply a Policy Issue at the International Level: What All Can We Do About It.” Keynote speech presented at the Big Ten Housing Officers Meeting, Indiana University, Bloomington, IN, October 19, 2010.
- “A Polycentric Approach to Climate Change.” Keynote speech presented at the Association for Politics and the Life Sciences 29th Annual Meeting on “Towards Consilience: 30 Years of the Association for Politics and the Life Sciences,” Indiana University, Bloomington, IN, October 14, 2010.
- “Updating the Theory of Collective Action and the Commons.” Keynote speech presented at the Indiana Academy of Science’s “Forum on Science and Society,” Indianapolis, IN, October 9, 2010.
- “The Old and the New Commons: Future Developments in Our Work.” Plenary address presented at the IASC North American Regional Meeting on “Capturing the Complexity of the Commons,” Arizona State University, Tempe, AZ, September 30, 2010.
- “Studying Institutions.” Presentation for the Alliance of Distinguished and Titled Professors Annual Dinner and Reception, IUPUI, Indianapolis, IN, September 27, 2010.
- “Bosses and Kings: Asymmetric Power in Paired Common-Pool and Public Good Games,” with James C. Cox and James M. Walker. Paper presented at the Biennial Social Dilemmas Conference, Rice University, Houston, TX, September 23, 2010.
- “Cooperating for the Common Good: Challenging Supposed Impossibilities and Panaceas.” Plenary lecture presented at the Biennial Social Dilemmas Conference, Rice University, Houston, TX, September 23, 2010.

- “The Variety of Property Systems and Rights in Natural Resources: An Introduction,” with Daniel Cole. Paper presented at the conference on “Evolution of Property Rights Related to Land and Natural Resources,” Lincoln Institute of Land Policy, Cambridge, MA, September 20-21, 2010.
- “Cooperating for the Common Good: Challenging Supposed Impossibilities and Panaceas.” Presentation at the National Science Foundation, Washington, DC, September 2, 2010.
- “Addressing the Theory of Collective Action from a Multiple Methods Perspective.” Plenary address presented at American Political Science Association Annual Meeting, Washington, DC, September 2, 2010.
- “How Can We Monitor REDD Projects?” Keynote speech presented via videoconference for the Workshop on “Forest Governance, Decentralization and REDD in Latin America and the Caribbean,” held in Oaxaca, Mexico, August 31, 2010.
- “The Potential Role of Communities in Sustaining Forest Resources.” Keynote speech presented at the XXIII IUFRO World Congress on “Forests for the Future: Sustaining Society and the Environment,” Seoul, South Korea, August 27, 2010.
- “The Challenge of Forest Diagnostics,” with Harini Nagendra. Paper presented at the Sub-Plenary Session on “New Frontiers of Forest Economics” at the XXIII IUFRO World Congress on “Forests for the Future: Sustaining Society and the Environment,” Seoul, South Korea, August 27, 2010.
- “Updating the Theory of Collective Action.” Lecture presented as part of the SeoNam Lecture Series at Seoul National University, Seoul, South Korea, August 26, 2010.
- “Institutional Robustness.” Lecture presented at Sungkyunkwan University, Seoul, South Korea, August 25, 2010.
- “Who Affects Climate Change?” Lecture presented at Korea University, Seoul, South Korea, August 25, 2010.
- “Climate Change and Global Governance.” Keynote speech presented at the “International Forum on the Global Solution for Climate Change,” Taipei, Taiwan, August 24, 2010.
- “Institutions for Managing Groundwater.” Second speech presented at the “International Forum on the Global Solution for Climate Change,” Taipei, Taiwan, August 24, 2010.
- “Beyond Markets and States: Polycentric Governance of Complex Economic Systems.” Public lecture presented at the National University of Singapore, Lee Kuan Yew School of Public Policy, Singapore, August 20, 2010.
- “Urban Forests as Social-Ecological Systems.” Keynote lecture presented at the Indiana Urban Forest Council’s Conference on “Urban Forest Ecosystems: Policies and Practices,” Columbus, IN, July 1, 2010.
- “Future Directions in Social-Ecological Systems Research.” Lecture presented at the Frankfurt School of Finance and Management, Frankfurt, Germany, June 23, 2010.
- “A Polycentric Approach to Reducing the Threats of Climate Change.” Climate Lecture 2010 presented at the Technical University Berlin, Berlin, Germany, June 22, 2010.
- “Understanding Collective Action in Micro and Broader Contexts.” Keynote lecture presented at the International Society for New Institutional Economics (ISNIE) Annual Meeting, Stirling, Scotland, June 19, 2010.
- “What Can We Do About Climate Change?” Speech presented at the Rotary Club of Indianapolis, Indianapolis, IN, June 8, 2010.
- “Current Efforts to Understand Social Ecological Systems.” Lecture presented at the Institute for International Economic Studies, Stockholm University, Stockholm, Sweden, June 3, 2010.
- “Overcoming the Samaritan’s Dilemma in Development Aid.” Keynote address presented at the Annual Bank Conference on Development Economics on “Development Challenges in a Post-Crisis World,” Stockholm, Sweden, May 31, 2010.
- “IAD and SES Dynamic Flows: Introducing the Program in Institutional Analysis of Social-Ecological Systems (PIASES) Framework,” with Michael McGinnis. Preliminary draft of paper

- presented at the 13th Economics of Infrastructures Conference, Delft University of Technology, Delft, Netherlands, May 27-28, 2010.
- “Applying a Social-Ecological System Framework to the Study of the Taos Valley Irrigation System Over Time,” with Michael Cox. Paper presented at the 13th Economics of Infrastructures Conference, Delft University of Technology, Delft, The Netherlands, May 27-28, 2010.
- Commencement Address at the Graduate Commencement Ceremony, Indiana University, Bloomington, IN, May 7, 2010.
- “The Challenge of Combining the Social with the Ecological.” Keynote address presented at the African Studies Center STEM-Africa Initiative Launch Conference, University of Michigan, Ann Arbor, MI, May 6, 2010.
- “Climate Change and Community Forests: Links between a Global and a Local Common Pool Resource.” Keynote lecture for the Workshop on “Community Forestry and Reduction of Emissions from Deforestation and Forest Degradation (REDD): Lessons learned from Mexico” presented at the World Bank, Washington, DC, April 26, 2010.
- “Robust Property Rights Institutions to Manage Local and Global Commons.” Keynote lecture for the Annual World Bank Conference on “Land Policy and Administration” presented at the World Bank, Washington, DC, April 26, 2010.
- “Understanding Social-Ecological Systems.” Lecture presented at the University of Colorado, Boulder, International Affairs Program, April 12, 2010.
- “Institutional Analysis and Development Framework: Historical and Contemporary Developments.” Paper presented at the University of Colorado, Denver, School of Public Affairs, Policy Studies Journal Symposium, April 9, 2010.
- “Understanding Social-Ecological Systems.” Lecture presented at Stanford University, Food/Environment Series, Woods Institute for the Environment and the Department of Economics, Stanford, CA, April 8, 2010.
- “What Can We Do About Climate Change?” George S. Parthemos Lecture presented at the University of Georgia, Athens, GA, March 19, 2010.
- “Governing for Sustainable Water in Complex Environments.” Lecture presented at Lafayette College, Easton, PA, March 4, 2010.
- “Updating the Theory of Collective Action and the Commons.” Lecture presented at the Wednesday Lunchtime Speaker Series at Columbia University, New York, NY, March 3, 2010.
- “Beyond Markets and States: Polycentric Governance of Complex Economic Systems.” Adapted Nobel Prize Lecture delivered at Indiana University, Bloomington, February 16, 2010.
- “Why Polycentricity is Relevant for Today’s Problems.” Presentation for the Bloomington Rotary Club, Bloomington, IN, February 9, 2010.
- “Future Directions in Social-Ecological Systems Research.” Lecture presented at Uppsala University, Uppsala, Sweden, December 14, 2009.
- Plenary address presented at Forest Day 3 in Copenhagen, Denmark, December 13, 2009.
- “Future Directions in Social-Ecological Systems Research.” Lecture presented at the Swedish Foundation for Strategic Environmental Research (MISTRA), Stockholm, Sweden, December 9, 2009.
- “Beyond Markets and States: Polycentric Governance of Complex Economic Systems.” Nobel Prize Lecture in Economic Sciences presented at the Royal Swedish Academy of Sciences, Stockholm, Sweden, December 8, 2009.
- “Using GIS and Remote Sensing to Study the Effects of Diverse Institutions.” Keynote lecture presented at GIS Day, Indiana University, Bloomington, IN, November 18, 2009.
- “The Evolution of Institutions.” Lecture presented in the Darwin Today Series, Groningen University, Groningen, The Netherlands, November 5, 2009.
- “Collective Action and the Commons: What Have We Learned.” Lecture presented at Cornell University, Ithaca, NY, September 17, 2009.
- “Analyzing Collective Action.” Plenary presented at the International Association of Agricultural

- Economists (IAAE) Triennial Conference on “The New Landscape of Global Agriculture,” Beijing, China, August 16-22, 2009.
- “Theory and Experiments Related to the Commons.” Keynote lecture at the ceremony awarding Reinhard Selten an honorary doctorate at the University of Göttingen, Göttingen, Germany, July 9, 2009.
- Wittgenstein Lectures on “Collective Action and the Commons” presented at the University of Bayreuth, Bayreuth, Germany, June 22-27, 2009.
- “A Framework for Analyzing Social-Ecological Systems.” Lecture presented at the Frankfurt School of Finance and Management, Frankfurt, Germany, June 19, 2009.
- “The Evolution of Institutions: Toward a New Methodology,” with Xavier Basurto. Paper presented at the workshop on “Do Institutions Evolve?” Robert Schumann Center, European University Institute, Florence, Italy, May 8-9, 2009.
- Keynote Speaker at the forum on “A Systems Approach to Socio-Ecological Resilience: Prioritizing the Gaps in a Changing World” at Yale University, New Haven, CT, April 23-24, 2009.
- “A Multi-Level Approach for Coping with Climate Change.” Presentation for the symposium on “Equity, Sustainability, and Governance of Mixed-Use Landscapes” at the American Association for the Advancement of Science Annual Meeting on “Our Planet and Its Life: Origins and Futures,” Chicago, IL, February 15, 2009.
- “Communicating Climate Change,” Episode 9: Elinor Ostrom (February 13, 2009). (<http://seagrant.oregonstate.edu/blogs/communicatingclimate/>). Podcast conversations with social scientists, produced by Joe Cone, a long-time science communicator and award-winning writer and videographer who serves as assistant director of Oregon Sea Grant, a marine research, outreach, and education program based at Oregon State University.
- “Institutional Arrangements for Enhancing Sustainability.” Colloquium presented at the School of Geographical Science, Arizona State University, Tempe, AZ, January 23, 2009.
- “Reflections on Past, Present, and Future of Experiments of Social and Commons Dilemmas.” Opening presentation at the “Workshop on Lab and Field Experiments on Social and Commons Dilemmas,” Arizona State University, School of Human Evolution & Social Change, Tempe, AZ, January 12, 2009.
- “Going Beyond the Tragedy of the Commons.” Speech presented at the “Tragedy of the Commons 40th Anniversary Retrospective Symposium,” Adrian College Policy Institute, Adrian, MI, November 21, 2008.
- “Sustaining Social-Ecological Systems.” Karl F. Schuessler Lecture in Social Science Research presented at Indiana University, Bloomington, IN, November 6, 2008.
- “How Do Institutions for Collective Action Evolve?” Golden Jubilee Lecture presented at the Institute of Economic Growth (IEG) in New Delhi, October 14, 2008.
- “Social Capital and Cooperation in Collective Action Situations.” Plenary speech presented at the International Conference on “Contributions of Cooperative Self-Help to Economic and Social Development,” University of Cologne, Cologne, Germany, October 8, 2008.
- “Studying Social-Ecological Systems: An Ontological Approach.” Lecture presented at the seminar on “Cross-Disciplinary Research Problems,” Norwegian University of Science and Technology (NTNU), Trondheim, Norway, September 11, 2008.
- “The Challenge of Building Trust to Solve Commons Dilemmas.” Galbraith Forum lecture presented at the American Agricultural Economics Association Annual Meeting, Orlando, FL, July 27-29, 2008.
- “A Dynamic Diagnostic Approach.” Keynote address presented at the 12th Biennial Conference of the International Association for the Study of the Commons on “Governing Shared Resources: Connecting Local Experience to Global Challenges,” Cheltenham, England, July 14-18, 2008.
- “Design Principles of Robust Property-Rights Institutions: What Have We Learned?” Keynote address presented at the conference on “Land Policies and Property Rights,” Lincoln Institute of Land Policy, Cambridge, MA, June 2-3, 2008.

- “McGill Convocation Address.” Faculty of Arts “B” Ceremony, McGill University, Montreal, Quebec, Canada, May 30, 2008.
- “Unpacking Decentralization,” with Krister Andersson, Jacqueline Bauer, Pam Jagger, Marty Luckert, Ruth Meinzen-Dick, and Esther Mwangi. Paper presented at the 2008 SANREM CRSP Annual Meeting, Los Baños, Philippines, May 26-28, 2008.
- “Updating the Design Principles for Robust Resource Institutions.” Keynote speech presented at the International Science and Policy Conference on “Resilience, Adaptation and Transformation in Turbulent Times,” Stockholm, Sweden, April 15, 2008.
- “How Do Institutions for Collective Action Evolve?” Annual Neale Wheeler Watson Lecture presented at the Nobel Museum, Stockholm, Sweden, April 12, 2008.
- “Prescribing Optimal Institutions is Not Optimal.” Centennial Scholar Lecture to be presented at the Chicago Kent College of Law, Chicago, IL, March 26, 2008.
- “Institutions and Sustaining Social-Ecological Systems from Local to Global.” Plenary speech presented at the Public Choice Society Annual Meeting, San Antonio, TX, March 6-9, 2008.
- “The Danger of Prescribing Institutional Blueprints.” Keynote speech presented at the Workshop on “Which Governance for Which Environment? Institutions, Social Preferences, and Knowledge for Governing Environmental Issues,” Cargese, France, February 4-8, 2008.
- “Polycentric Governance in Resource Governance: Concepts and Empirical Evidence.” Keynote speech presented at the International Conference on “Adaptive and Integrated Water Management: Coping with Complexity and Uncertainty,” Basel, Switzerland, November 12-15, 2007.
- “To Trust or Not to Trust? That is the Question.” Discussion paper for symposium on “Games, Groups, God(s), and the Global Good,” Princeton University, October 4-6, 2007.
- “Trust in Private and Common Property Experiments,” with James Cox, James Walker, Jaime Castillo, Eric Coleman, Robert Holahan, Michael Schoon, and Brian Steed. Paper presented at the panel on “Fairness Economics and Political Economy,” American Political Science Association Annual Meeting, Chicago, IL, August 30-September 2, 2007.
- “Why Do We Need Laboratory Experiments in Political Science?” Paper presented at the panel on “Laboratory Experiments across Political Science,” American Political Science Association Annual Meeting, Chicago, IL, August 30-September 2, 2007.
- “The Challenge of Crafting Rules to Change Open Access Resources into Managed Resources.” Paper presented at the International Economic Association Round Table on the Sustainability of Economic Growth, Beijing, China, July 13-14, 2007.
- “On Polycentricity,” with Vincent Ostrom. Speech presented at the Workshop on “Polycentricity and Its Implications for China,” Renmin University, Beijing, China, July 3, 2007.
- “Community Self Governance,” with Vincent Ostrom. Speech presented at the China University of Politics and Law, Beijing, China, July 1, 2007.
- “The Complexity of Sustainable Social-Ecological Systems.” Lecture presented at the Institutional Dimensions of Global Environmental Change IHDP Workshop, Institute for Forecasting, THEMES Summer School, Slovak Republic, June 20, 2007.
- “A Multi-Tier Framework for Analyzing Linked Social-Ecological Systems.” Lecture presented for the Centre for Ecological and Evolutionary Synthesis (CEES) Seminar Series, University of Oslo, Oslo, Norway, June 15, 2007.
- “Beyond Panaceas: Understanding the Role of Context in Affecting Institutional Choice and Performance.” Keynote speech presented at the International Symposium on Integrated Coastal Zone Management, Arendal, Norway, June 14, 2007.
- “Diverse Governance Arrangements for Ecological Sustainability.” Plenary speech presented at the 7th Biennial Conference of the European Society for Ecological Economics, UFZ Centre for Environmental Research, Leipzig, Germany, June 5, 2007.
- “The Evolution of Social Norms.” Lecture presented at the Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany, June 4, 2007.

- “The Role of Norms and Rules in Maintaining Open Public and Private Economies.” Lecture presented at the Honorary Doctorate Award Ceremony, Humboldt University, Berlin, Germany, June 1, 2007.
- “Resilient Social-Ecological Systems: How Do We Achieve Them?” Seminar presented at the Inauguration of the Stockholm Resilience Centre, Stockholm University, Stockholm, Sweden, May 29, 2007.
- “Understanding Social-Ecological Systems.” Lecture presented at the Linnaeus Honorary Doctorate Ceremony, Uppsala University, Uppsala, Sweden, May 24, 2007.
- “Trust and Reciprocity as Foundations for Cooperation: Individuals, Institutions, and Context,” with James Walker. Paper presented at the Economics Research Seminar, Zurich, Switzerland, May 3, 2007.
- “Halting Deforestation: Reflections from the Air, from the Ground, and from the Lab.” Keynote speech presented at the 8th Swiss Global Change Day, Bern, Switzerland, April 4, 2007.
- “Developing a Method for Analyzing Institutional Change.” Paper presented at a Workshop in Honor of the Career of Professor A. Allan Schmid on “Various Approaches to Assessing the Evolution and Impact of Alternative Institutional Structures,” Michigan State University, East Lansing, March 15-17, 2007.
- “A Diagnostic Approach for Going Beyond Panaceas.” Lecture presented at the School of Environment and Natural Resources Seminar Series, Ohio State University, Columbus, March 8, 2007.
- “Sustainable Social-Ecological Systems: An Impossibility?” Topical lecture presented at the 2007 AAAS Annual Meeting, San Francisco, February 17, 2007.
- “The Challenge of Crafting Diversity to Cope with Diversity.” Paper presented at the 2007 AAAS Annual Meeting Symposium on “Grand Challenges of Sustainability Science,” San Francisco, February 17, 2007.
- “Beyond Panaceas: The Importance of Institutional Diversity.” Lecture presented as the Seventy-Fifth Lecture in The Alex G. McKenna Economic Education Series, The Center for Political and Economic Thought in conjunction with the Alex G. McKenna School of Business, Economics, and Government, Saint Vincent College, Latrobe, PA, February 7, 2007.
- “Insights in Linking Forests, Trees, and People from the Air, on the Ground, and in the Lab.” Wrigley lecture presented at the Central Arizona-Phoenix Long-Term Ecological Research (CAP LTER) Ninth Annual Poster Symposium, Global Institute of Sustainability, Arizona State University, Tempe, January 10, 2007.
- “The Challenge of Going Beyond Panaceas.” Paper presented at the Workshop on “Beyond Panaceas: Crafting Diverse Institutional Arrangements for Governing Diverse Social-Ecological Systems,” Global Institute of Sustainability, Arizona State University, Tempe, January 8-10, 2007.
- “Mapping Institutional Landscapes.” Paper presented at the conference on “Imaging Environment: Maps, Models, and Metaphors,” Stanford Humanities Center/Stanford Institute for the Environment, Stanford, CA, November 8-10, 2006.
- “Institutional Innovation in Real-Time Dynamic Spatial Commons,” with Marco Janssen. Paper presented at the 26th Annual Meeting of the Association for Politics and the Life Sciences (APLS), Indiana University, Bloomington, October 25-26, 2006.
- “Trust and Property Rights: Experimental Evidence,” with James Cox, Jimmy Walker, Jaime Castillo, Eric Coleman, Robert Holahan, Michael Schoon, and Brian Steed. Paper presented at the 26th Annual Meeting of the Association for Politics and the Life Sciences (APLS), Indiana University, Bloomington, October 25-26, 2006.
- “The Institutional Analysis and Development Framework in Historical Perspective.” Paper presented at the panel on “Starting from Here: Understanding the Context of Development and Democratization—From Nineteenth-Century Theory to Twenty First-Century Practice” at the American Political Science Association Annual Meeting, Philadelphia, PA, August 31-September 3, 2006.

- “Multiple Methods for Studying Collective Action in the Commons.” Paper presented at the International Seminar on “Collective Action in the Commons: Theoretical and Empirical Approaches,” Javeriana University, Bogota, Colombia, August 14-17, 2006.
- “Linking Forests, Trees, and People: Insights from the Air, on the Ground, and in the Lab,” with Harini Nagendra. Presentation at the Universidad de los Andes, Bogota, Colombia, August 18, 2006; the Third World Congress of Environmental and Resource Economists, Kyoto, Japan, July 4, 2006; and the Fourth Biennial IFRI Network Meeting, Bogor, Indonesia, June 24-27, 2006.
- “Decentralized Natural Resource Governance from a Polycentric Perspective,” with Krister Andersson. Paper presented at the Midwest Political Science Association meetings, Chicago, IL, April 20, 2006.
- “Analyzing Institutional Diversity and Change.” Speech presented at the School of Human Evolution and Social Change, Arizona State University, Tempe, AZ, April 11, 2006.
- “Institutions as a Form of Social Capital.” PowerPoint presentation presented at the Plenary Session at the Interdisciplinary Conference on Social Capital, University of Notre Dame, South Bend, IN, April 2-3, 2006.
- “The Danger of Institutional Monoculture to Preserve Biological Diversity.” Paper presented at the Gruter Institute’s Meeting on “Free Enterprise: Values in Action,” University of Cambridge, Cambridge, UK, March 25, 2006.
- “Understanding Institutional Diversity.” Lecture presented for the Faculty of Political Science at the University of Milan, Milan, Italy, March 24, 2006.
- “Multiple Methods for Studying Collective Action.” Keynote speech presented at the IASCP Europe Regional Meeting, Brescia, Italy, March 23, 2006.
- “Comparing the Knowledge Commons with Resource Commons.” Preconference Workshop given with Charlotte Hess at the IASCP Europe Regional Meeting, Brescia, Italy, March 22, 2006.
- “The Evolution of Social Norms.” Paper presented at the Joint Seminar Series for the Donald Bren School of Environmental Science and Management and the Department of Economics at the University of California, Santa Barbara, March 2, 2006.
- “Co-Evolving Relationships between Political Science and Economics.” Paper presented at the University of California, Irvine, March 1, 2006.
- “The Danger of Institutional Monoculture to Preserve Biological Diversity.” Paper presented for the Major Issues in Modern Biology Series at the University of California, Davis, February 27, 2006.
- “Developing Methods for Institutional Analysis: Institutional Diversity in Resource Management.” PowerPoint presentation presented at Philipps University Marburg in Marburg, Germany, January 10, 2006.
- “Developing a Method for Analyzing Institutional Change.” Paper presented at the symposium on “Who Should Do What in Environmental Governance: Institutions and Constraints,” held at the Porto Conte Ricerche (PCR) Centre in Tramariglio (Alghero), Sardinia, Italy, September 21-24, 2005; and at the Future of the Social Sciences II Conference, The Cornell Club, New York City, October 6-8, 2005.
- “Bridging the Qualitative-Quantitative Divide: Strategies for Building Large-N Databases Based on Qualitative Research,” with Amy Poteete. Paper presented at the 101st Annual Meeting of the American Political Science Association, Washington, DC, September 1-4, 2005.
- “Converting Threats Into Opportunities.” James Madison Award lecture presented at the 101st Annual Meeting of the American Political Science Association, Washington, DC, September 1-4, 2005.
- “People and Trees: An Institutional Analysis.” Paper based on a presentation made at the annual conference on “Environmental and Resource Economics,” Ulvön Island, June 21-23, 2005 (sponsored by the Department of Economics, Umea University, the Department of Forest Economics, Swedish University of Agricultural Sciences, and the Beijer Institute, The Royal Academy of Science).

- “The Complexity of Collective Action Theory.” Paper presented at the conference on “Analyzing Problems of Polycentric Governance in the Growing EU,” Humboldt University, Berlin, Germany, June 16-17, 2005.
- “Collective Action Theory.” Paper presented as lecture at Duke University, Durham, NC, April 28, 2005.
- “Cross-Cultural Evidence of the Impact of Human Actions on Forest Conditions.” Keynote speech presented for the School of Public and Environmental Affairs/Environmental Management Association, Indiana University, Bloomington, IN, April 22, 2005.
- “Understanding Institutional Diversity: Challenges in Governing the Commons.” Masterclass presented at CSIRO Sustainable Ecosystems, Canberra, Australia, March 7, 2005.
- “Multiple Institutions for Multiple Outcomes.” Keynote address presented at the Undara Workshop, “Property Rights–Key to Achieving Ecologically Sustainable Development in Outback Regions,” Undara, Queensland, Australia, March 1-3, 2005.
- “Conserving the World’s Forests: Are Protected Areas the Only Way?,” with Tanya Hayes. Paper presented at the conference on “The Law and Economics of Development, Trade, and the Environment,” Indiana University School of Law-Indianapolis, January 22, 2005.
- “Intentional Communities in Southern Indiana,” with Shanon Donnelly, Lauren Persha, Amy Poteete, and David Welch. Presented at the workshop on “Forest Land Conservation: An Indiana Portfolio,” Brown County Inn, Nashville, IN, November 10, 2004, organized by the Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University; Department of Forestry and Natural Resources, Purdue University, in cooperation with the Division of Forestry, Indiana Department of Natural Resources, and the Indiana Chapter of The Nature Conservancy.
- “Dangers of Panaceas and Quick Fixes for Ecological Problems.” Public Lecture at Cornell University, Ithaca, NY, November 4-5, 2004.
- Understanding Institutional Diversity*. Distinguished Lecture at Purdue University, West Lafayette, IN, October 21, 2004.
- “Unlocking Public Entrepreneurship and Public Economies.” Plenary address presented at the EGDI-WIDER conference “Unlocking Human Potential: Linking the Informal and Formal Sectors,” Helsinki, Finland, September 17-18, 2004.
- “Institutional Dynamics, Spatial Organization and Landscape Change,” with Tom Evans and Abigail York. Paper prepared for workshop on “Places of Power: Economic and Political Driving Forces of Landscape Change,” Chicago, IL, September 10-11, 2004.
- “Unsolved Real-World Problems Reflecting Theoretical Deficiencies.” Led discussion with Jack Knight at the conference on “The Future of the Social Sciences,” Washington University, St. Louis, MO, September 7-10, 2004.
- “Conceptual Consistency and Data Comparability: Methodological Challenges to Empirical Research on Collective Action,” with Amy Poteete. Paper presented in a poster session at the 100th Annual Meeting of the American Political Science Association (APSA), Chicago, IL, September 2-5, 2004.
- “Collective Action Theory” Taught a Workshop with Krister Andersson at the “10th Biennial Conference of the International Association for the Study of Common Property (IASCP),” Oaxaca, México, August 9, 2004.
- “Robustness of Social-Ecological Systems to Spatial and Temporal Disturbance and Stress Regimes,” with Marco Janssen and Marty Anderies. Paper presented at the “10th Biennial Conference of the International Association for the Study of Common Property (IASCP),” Oaxaca, México, August 9-13, 2004.
- “Governing Scholarly Communication: A Framework for Understanding Collective Action and Policy Design,” with Charlotte Hess. Paper presented at the “10th Biennial Conference of the International Association for the Study of Common Property (IASCP),” Oaxaca, México, August 9-13, 2004.

- “Helping to Craft Robust Institutions: Cases from the Indrawati Watershed in Nepal,” with Ganesh Shivakoti. Paper presented at the “Third Workshop on the Workshop,” Indiana University, Bloomington, IN, June 2-6, 2004.
- “Looking Beyond Panaceas: The Tough Job of Building Effective Social Capital in Development.” Paper presented to the Social Development Department of the World Bank, Washington, DC, April 20, 2004.
- “A Framework for Analyzing Scholarly Communication as a Commons,” with Charlotte Hess. Paper prepared for the “Workshop on Scholarly Communication as a Commons,” Workshop in Political Theory and Policy Analysis, Indiana University, March 31-April 2, 2004.
- “Issues of Rationality in Institutional Analysis: Experiences in the Application of the Institutional Analysis and Development Framework.” Paper presented at the Center for Development Research (ZEF), Bonn, Germany, March 22, 2004.
- “Managing Resources in the Global Commons.” Paper presented to students in John Vann’s “Creating a Sustainable Future” class at Ball State University, Muncie, IN, March 2, 2004.
- “The Working Parts of Rules and How They May Evolve Over Time.” Presented at the workshop on “The Evolution of Designed Institutions,” Max Planck Center Conference, Jena, Germany, February 19-21, 2004.
- “Understanding Institutional Diversity: Explaining the Differences in Human Behavior in Alternative Institutional Structures.” Seng Tee Lee Lecture presented at All Souls College, Oxford, UK, January 29, 2004.
- “The Robustness of Ecosystems Maintained by State-Dependent Cross-Scale Institutions,” with Macro Janssen and John M. Anderies. Presented at the workshop on “Resiliency and Change in Ecological Systems, Santa Fe Institute, Santa Fe, NM, October 25-27, 2003.
- “The Robustness of Multi-Level Social-Ecological Systems,” with John M. Anderies, and Marco Janssen. Presented at the American Political Science Association meetings, Philadelphia, PA, August 28-31, 2003.
- “Looking Backward—A Time of Turmoil; Looking Forward—A Time of Opportunity.” Presented at the panel on “What Has Political Science Been: What Should It Become?,” American Political Science Association meetings, Philadelphia, PA, August 28-31, 2003. An earlier version of a talk based on this paper was given at the occasion of the celebration of the 40th Anniversary of The Institute for Advanced Studies, Vienna, Austria, June 14-17, 2003, and as part of the 50th Anniversary of the School of Public Affairs, seminar on “Economics, Politics and Public Policy,” Carleton University, Ottawa, Canada, June 18-21, 2003.
- “Rules, Incentives, and Enforcement: Livelihood Strategies of Community Forestry and Leasehold Forestry Users in Nepal,” with Mukunda Karmacharya and Birendra Karna. Presented at the conference on “Rural Livelihoods, Forests and Biodiversity,” Bonn, Germany, May 19-23, 2003.
- “Design Principles for Robustness of Institutions in Social-Ecological Systems,” with J. Marty Anderies and Marco Janssen. Presented at the conference on “Robustness of Coupled Natural and Human Systems,” Santa Fe, NM, May 16-18, 2003.
- “Managing Resources in the Global Commons.” Lecture presented at the Vancouver Institute, UBC, March 8, 2003. Audio recording available at: <http://hdl.handle.net/2429/14303>
- “Social Capital and the Second-Generation Theories of Collective Action: An Analytical Approach to the Forms of Social Capital,” with T. K. Ahn. Presented at the American Political Science Association annual meeting, Boston, MA, August 30 - September 1, 2002.
- “Beliefs, Institutional Innovation, and Sustainable Development” (with Marco Janssen). Presented at the American Political Science Association annual meeting, Boston, MA, August 30 - September 1, 2002.
- “How Farmer-Managed Irrigation Systems Build Social Capital to Outperform Agency-Managed Systems that Rely Primarily on Physical Capital.” Presented to the International Seminar on Farmer-Managed Irrigation Systems, organized by the FMIS Trust, Kathmandu, Nepal, April 18-29, 2002.

- “Incorporating Motivational Heterogeneity Into Game Theoretic Models of Collective Action,” with T. K. Ahn and James Walker. Presented at the annual meeting of the Public Choice Society, San Diego, CA, March 22-24, 2002.
- “Type of Goods and Collective Action.” Presented at the annual meeting of the Public Choice Society, San Diego, CA, March 22-24, 2002.
- “An Institutional Approach to the Study of Forest Resources,” with Amy Poteete. Presented at the Department of Economy and Administration, University of Sao Paulo, Brazil, December 14, 2001.
- “Polycentric Institutions as a Way of Blending Local and Global Knowledge.” Keynote speech at the 3rd Annual Global Development Conference of the Governing Body of the Global Development Network, Rio de Janeiro, Brazil, December 9-12, 2001.
- “Artifacts, Facilities, and Content: Information as a Common-Pool Resource” (with Charlotte Hess). Presented at the Conference on the Public Domain, Duke Law School, Durham, NC, November 9-11, 2001.
- “A Social Science Perspective on Social Capital: Social Capital and Collective Action,” with T. K. Ahn. Report prepared for the Bundestag - Enquete Commission. Presented at the EURESCO conference on Social Capital: Interdisciplinary Perspectives, Exeter, UK, September 15-20, 2001.
- “Managing Common Resources—What is the solution?” Keynote lecture at a symposium organized by the Programme on Population and Development, the Department of Sociology, and the Department of Economics, Lund University, Switzerland, September 10-11, 2001.
- “Some Thoughts about ‘Shaking Things Up? Future Directions in Political Science’.” An Open Roundtable Discussion paper presented at the American Political Science Association annual meeting, San Francisco, CA, September 1, 2001.
- “Critical Factors that Foster Local Self-Governance of Common-Pool Resources: The Role of Heterogeneity,” with Marco Janssen. Presented at the Annual Meeting of the Resilience Alliance, Chiang Mai, Thailand, August 16-18, 2001; and at the conference on “Inequality, Collective Action, and Environmental Sustainability,” Santa Fe Institute, Santa Fe, NM, September 21-23, 2001.
- “Policies That Crowd Out Reciprocity and Collective Action.” Presented at the Gerzensee Conference on Intrinsic Motivation in Law and Business, Gerzensee, Switzerland, June 18-22, 2001.
- “What Do People Bring Into the Game? How Information Helps to Reduce the Tragedy of the Commons,” with Juan-Camilo Cardenas. Presented at the Norms seminar organized by the Center for Interdisciplinary Studies, School of Law, Washington University, St. Louis, MO, March 29-31, 2001. Also used as a background paper for presentations at “The Link between Norms and Scale” Conference, Los Angeles, CA, April 13-14, 2001, and the “4th Toulouse Conference on Environment and Resource Economics,” Property Rights, Institutions and Management of Environmental and Natural Resources, Toulouse, France, May 3-4, 2001.
- “Common Pool Resources and Institutional Design Principles.” Presentation for the Leadership for Environment and Development (LEAD-Mexico) National Seminar on “Collective Action and Common Pool Resources: ‘Governing the Commons,’” El Colegio de Mexico, Mexico City, December 6-7, 2000.
- “The Interaction of Organized Human Systems and Ecosystems.” Marsh Distinguished Lecture to the Graduate School of Geography and George Perkins Marsh Institute, Clark University, Worcester, MA, November 16, 2000.
- “Decentralization, Collective Action, and Resource Management in South Asia” (with Arun Agrawal). Presented at the American Political Science Association annual meeting, Washington, DC, August 31-September 3, 2000.
- “National Currents in Civic Environmentalism.” Presentation at the conference on “Decentralization of Environmental Policymaking: Civic Environmentalism in Theory and Practice,” sponsored by the Civic Environmentalism Working Group of the George C. Marshall Institute, Portland, ME, August 17-19, 2000.

- “Understanding the Complex Linkage Between Attributes of Goods and the Effectiveness of Property Rights Regimes.” Presented at the conference on “Common Goods and Governance Across Multiple Arenas,” organized by the Max Planck Project Group on “Common Goods: Law, Politics and Economics,” Bonn, Germany, June 30-July 1, 2000.
- “Redundancy and Diversity in Governing and Managing Common-Pool Resources” (with Bobbi Low, Carl Simon, and James Wilson). Presented at the 8th Biennial Conference of the International Association for the Study of Common Property (IASCP), Bloomington, IN, May 31-June 4, 2000.
- “Radical Decentralization in Developing Countries: a Recommended Panacea Without an Empirically Grounded Institutional Theory.” Background paper for the conference on “Development and the Nation State in the Cross-Currents of Globalization and Decentralization,” Washington University, St. Louis, MO, April 7-9, 2000; Plenary Lecture for the Political Studies Association 50th Anniversary Conference on “The Challenges for Democracy in the 21st Century,” London School of Economics and Political Science, April 10-13, 2000.
- “Coping with Tragedies of the Commons: Local Lessons, Global Challenges.” Presentation for the Managing Global Issues Project, Carnegie Endowment for International Peace, Washington, DC, February 25, 2000.
- “Crowding Out Citizenship.” Acceptance address for the Johan Skytte Prize in Political Science from the Skytte Foundation, Uppsala University, Sweden, October 2, 1999.
- “Context and Collective Action: Four Interactive Building Blocks for a Family of Explanatory Theories.” Plenary address at the Association for Politics and the Life Sciences (APLS), Atlanta, GA, September 2-5, 1999; Keynote speech at the International Society for New Institutional Economics (ISNIE), Washington, DC, September 17-18, 1999.
- “Generating Distrust in PD Games: Fear, Greed, and History of Play,” with T.K. Ahn, David Schmidt, Robert Shupp, and James Walker. Presented at the conference on “Behavioral Foundations of Trust,” Russell Sage Foundation, New York, February 18-21, 1999.