

John M. Gowdy

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EDUCATION

American University, B.A. Anthropology, 1967
University of Rhode Island, M.C.P. Regional Planning, 1972
West Virginia University, M.A. 1977, Ph.D. Economics, 1980

PROFESSIONAL EXPERIENCE

Acting Administrative Head, Department of Science and Technology Studies, July
2014-July
2015

Rittenhouse Teaching Professor of Humanities and Social Sciences, July 2005 – July 2013

Professor of Economics, Rensselaer Polytechnic Institute, July 1993-Present.

Professor of Science and Technology Studies, January 2012-Present

Director of the Ph.D. Program in Ecological Economics 1992-1995; 1997-2004

Department Chair - 1995-1997

Associate Professor July 1987-June 1993

Assistant Professor July 1982-June 1987

Sabbaticals and Leaves of Absence

Fall 2012 – Visiting Researcher, Mediterranean Science Commission, Monaco

Spring 2008 - Visiting Research Professor, Autonomous University, Barcelona, Spain

Fall 2004 - Leverhulme Visiting Professor, School of the Environment, University
of Leeds, United Kingdom

Spring 2000 - Visiting Scholar and Lecturer, Wirtschaftsuniversität Wien, Vienna,
Austria

Guest Professor, Institute for Environmental Science, University of
Zurich, Switzerland

Visiting Scholar, Faculty of Integrated Arts and Sciences, Tokushima
University, Japan

Spring 1995 - Fulbright Scholar, Vienna University of Economics, Institute for
Economics and Environment, Vienna, Austria.

Spring 1991 - Visiting Research Professor, Department of Economics, University of
Queensland, Australia.

Spring 1990 - Visiting Research Associate, IFO - Institute für Wirtschaftsforschung,
Munich, Germany.

Senior Economic Forecaster, New York State Energy Office - August 1979-June 1982.

West Virginia University Foundation Fellow - August 1975-August 1979

Senior Planner, Old Colony Planning Council, Brockton, Massachusetts - June 1972-July
1975

U.S. Army Medical Corps (Vietnam Service) - March 1968-December 1969

CURRENT RESEARCH

Humans as an Ultrasocial Species, Valuation of Biodiversity and Ecosystem Services, Evolutionary Economics, Climate Change, Energy, Behavioral Economics and Public Policy, Sustainability

Recent Projects:

The Evolution of Human Ultrasociality – Much of my current research effort is with a major research project (with Lisi Krall – SUNY Cortland) on the evolution of ultrasociality in humans and social insects, and the implications for sustainability and social evolution. This work has been published in *Ecological Economics* (2013), the *Journal of Bioeconomics* (2014) and *Behavioral and Brain Sciences* (forthcoming target article in 2015). The next phase of this project will be to combine the insights from ultrasociality, behavioral science and ecosystem valuation to specific public policy cases.

Ecosystem Services in East Africa – Beginning in January 2014 I began a major study of the economic, cultural, and ecological importance of the Sudd Marsh, Southern Sudan. The Sudd is one of the largest fresh water marshes in the world and it plays a vital role in East Africa. I am the PI for this project, funded by UNEP through the Evolution Institute.

Evolution and Behavioral Economics - Funded by NESCent (National Evolutionary Synthesis Center) – PI for a project with the evolutionary biologist David Sloan Wilson for a two-year study group of biologists, economists and behavioral scientists exploring the integration of behavioral economics with evolutionary theory. An outcome of this project is a special issue of the *Journal of Economic Behavior and Social Organization* (July 2013). An extension of this project is a workshop sponsored by the Ernst Strüngmann Foundation on Complexity Economics, Frankfurt Germany February 2015.

The Economics of Ecosystems and Biodiversity (TEEB) - Member of an interdisciplinary team of biologists, ecologists, and economists, and lead Author for a report on the economic, social and environmental aspects of discounting ecosystem services. Funded by Deutsche Bank, European Union, the Government of Germany, and the United Nations Environment Program (UNEP).

Biodiversity and Economics of the Mediterranean – Mediterranean Science Commission, Monaco. For the past year I have been involved in a study of the impact of invasive species (jellyfish) on the economies of several Mediterranean countries. Jellyfish are an indicator species of environmental disruption caused by a wide variety of human activities. An outcome of this project will be a special issue of the journal *Ecosystem Services* (Spring 2015) exploring the role of ecosystem services in a variety of marine ecosystems.

Climate Change Policy - Garrison Institute, helped begin a project “Climate, Mind, and Behavior” exploring the implications of behavioral economics and neuroscience for climate change policy. Author of two working papers: “Behavioral Economics, Neuroeconomics, and

Climate Change Policy: Baseline Review for the Garrison Institute Initiative on Climate Change Leadership” and “The Social Brain and the Diffusion of Pro-social Behavior”.

BOOKS AUTHORED OR CO-AUTHORED

Microeconomic Theory Old and New: A Students’ Guide, Stanford University Press, 2010.

Paradise for Sale: A Parable of Nature, University of California Press, January 2000 (with Carl McDaniel).

Economic Theory for Environmentalists, St. Lucie Press, Delray Beach, Florida, 1995 (with Sabine O’Hara).

Coevolutionary Economics: Economy, Society and Environment, Kluwer Academic Press, Boston, 1994

BOOKS EDITED OR CO-EDITED

Frontiers in Ecological Economic Theory and Application, Edward Elgar, London, 2007 (with Jon Erickson).

Sustainability in Action: Sectoral and Regional Case Studies, Edward Elgar, London, 2001 (with Jörg Köhn and Jan van der Straaten).

Bioeconomics and Sustainability: Essays in Honor of Nicholas Georgescu-Roegen, Edward Elgar, London, 1999 (with Kozo Mayumi).

Sustainability in Question: The Search for a Conceptual Framework, Edward Elgar, London, 1999 (with Jörg Köhn, Fritz Hinterberger, and Jan van der Straaten).

Limited Wants, Unlimited Means: A Reader on Hunter-Gatherer Economics and the Environment, Island Press, 1998.

Sustainability and Firms: Technological Change and the Changing Regulatory Environment, Edward Elgar, London, 1998 (with Sylvie Faucheux and Isabelle Nicolai).

MONOGRAPH EDITED

Implications of Ecological Economics to Regional Economics, Contributions to Regional and Structural Research, Volume 3, Rostock, Germany, August 1997 (with Jörg Köhn).

SPECIAL ISSUES OF JOURNALS EDITED

Ecosystem Services Guest editor with Paulo Nunez for a special issue on ecosystem services in the Mediterranean region (2015).

Journal of Economic Behavior and Organization Guest editor with David Sloan Wilson and

Barkley Rosser, Jr. for a special issue on evolution and economic theory and policy (July 2013).

Ecological Economics 69, Managing Guest Editor (with editors Richard Norgaard and Giorgos Kallis) for a Special Issue on Coevolution. 2010.

Ecological Economics volume 63(4), Guest Editor (with Richard Howarth) for a Special Issue on Cost-Benefit Analysis and Sustainability, September 2007.

Structural Change and Economic Dynamics 8(4), Guest Editor for a Special Issue on Biology and Economics, October 1997.

JOURNAL ARTICLES

In Preparation

“Ecological Economics at a Crossroads - Ten Years Later”

“A Coevolutionary Approach to Environment and Development: The Case of the Sudd Wetland, South Sudan.”

“The Political Economy of Human Ultrasociality”

“Hunter-Gatherers, Human Nature and the Transition to Ultrasociality”

Published or in press

Waring, T., J. Brooks, M. Kline, S. Goff, J. Gowdy, J. Jacquet, M. Janssen, P. Smaldino. 2015. "A

Multi-level Evolutionary Framework for Sustainability Analysis" Ecology and Society (forthcoming)

Gowdy, J. and L. Krall. 2015. “The Economic Origins of Ultrasociality” Behavioral and Brain Sciences (forthcoming target article)

Ghermandi, A., Galil, B., J. Gowdy, P. Nunes. 2015. "Jellyfish Outbreak Impacts on Recreation in

the Mediterranean Sea: Welfare Estimates from a Socio-Economic Pilot Survey in Israel" Ecosystem Services 11, 140-147.

Nunes, P. and J. Gowdy. 2015. "Marine Economics and Policy related to Ecosystem Services: Lessons from the World’s Regional Seas" Ecosystem Services 11, 1-4.

Wilson, D.S. and J. Gowdy. 2015. “Human Ultrasociality and the Invisible Hand: Foundational Developments in Evolutionary Science alter a Foundational Concept in Economics”

Journal

of Bioeconomics 17, 37-52.

Lennox, E. and J. Gowdy. 2014. "Ecosystem Governance in a Highland Village in Peru: Facing the

Challenges of Globalization and Climate Change" Ecosystem Services 10, 155-163.

Gowdy, J. and L. Krall. 2014. “Agriculture and the Evolution of Human Ultrasociality.” Journal of

Bioeconomics 16(2), 179-202.

Gowdy, J. and L. Krall. 2013. "Ultrasociality and the Origin of the Anthropocene" Ecological

- Economics 95, 137-147.
- Baveye, P., J. Baveye, J. Gowdy. 2013. Monetary Evaluation of Ecosystem Services: Getting the Timeline Right. Ecological Economics 95, 231-235.
- Parks, S. and J. Gowdy. 2013. What Have Economists Learned about Valuing Nature? A Review Article”, Ecosystem Services 3, 3-12.
- Muradian, R., Gowdy, J. and 23 other authors, 2013. “Payments for Ecosystem Services and the Fatal Attraction of Win-Win Solutions.” Conservation Letters. In press.
- Gowdy, J., B. Rosser, Jr., L. Roy. 2013. “The Evolution of Hyperbolic Discounting: Implications for Truly Social Environmental Valuation” Journal of Economic Behavior and Organization 90S, S94-S104.
- Gowdy, J., D. Dollimore, D.S. Wilson, and U. Witt. 2013. “Economic Cosmology and the Evolutionary Challenge” Journal of Economic Behavior and Organization 90S, S11-S20.
- Wilson, D.S. and J. Gowdy. 2013. “Evolution as a General Theoretical Framework for Economics and Public Policy”, Journal of Economic Behavior and Organization 90S, S3-S10.
- Wilson, D.S., J. Gowdy, and B. Rosser, Jr. 2013. “Rethinking Economics from an Evolutionary Perspective”, Editorial. Journal of Economic Behavior and Organization 90S, S1-S2.
- Gowdy, J., L. Krall, and Y. Chan. 2013. “The Parable of the Bees: Beyond Proximate Causes in Ecosystem Service Valuation” Environmental Ethics 35(1), 41-55.
- Kumar, P., E. Brondizio, F. Gatzweiler, J. Gowdy, D. de Groot, U. Pascual, B. Reyers, P. Sukhdev. 2013. “The Economics of ecosystem services: from local analysis to national policies.” Current Opinion in Environmental Sustainability 5(1), 78-86.
- Gowdy, J., C. Hall, K. Klitgaard, L. Krall. 2010. “What Every Conservation Biologist should know about Economic Theory” Conservation Biology 24(6), 1440-1447.
- _____ and R. Juliá. 2010. “Global Warming Economics in the Long Run” Land Economics 86(1): 117-130.
- _____ C. Hall, K. Klitgaard, L. 2010. “The End of Faith-Based Economics.” The Corporate Examiner 37, 5-11.
- _____ K. Klitgaard, L. Krall. 2010. “Capital and Sustainability.” The Corporate Examiner 37, 27-30.
- Manner, M. and _____. 2010. “Group Selection and the Evolution of Moral Behavior: Toward a Coevolutionary Foundation for Public Policy” Ecological Economics 69: 753-69.
- van den Bergh, J. and _____. 2009. “A Group Selection Perspective on Economic Behavior, Institutions and Organizations” Journal of Economic Behavior and Organization 72: 1-20 (lead article). Reprinted in The New Evolutionary Economics, Kurt Dopfer and Jason Potts (Eds.), Edward Elgar 2013.
- Gowdy, J. and L. Krall. 2009. “The Fate of Nauru and the Global Financial Meltdown.” Conservation Biology 23(2): 257-258. Comment on an article by David Orr.
- Hong, B., K. Limburg, J. Erickson, _____, A. Nowosielski and K. Stainbrook. 2009. “Connecting the Ecological-economic Dots in Human-dominated Watersheds: Models to Link

- Socio-economic Activities on the Landscape to Stream Ecosystem Health” Landscape and Urban Planning **91(2)**: 78-87.
- Gowdy, J. 2008. “Behavioral Economics and Climate Change Policy” Journal of Economic Behavior and Organization **68**: 632-644.
- Botzen, W., J. van den Bergh, and _____. 2008. “Cumulative CO2 Emissions: Shifting International Responsibilities for Climate Debt” Climate Policy **8**: 569-576.
- Gowdy, J. and A. Salman. 2007. “Climate Change and Economic Development: A Pragmatic Approach” Pakistan Development Review **46(4)**: 337-350.
- _____. and R. Howarth. 2007. Sustainability and Benefit-Cost Analysis: Theoretical Assessments and Policy Options” Preface to Special Issue of Ecological Economics **63**: 637-638.
- _____. 2007. “Can Economic Theory stop being a Cheerleader for Corporate Capitalism?” Invited Commentary for Psychological Inquiry **18(1)**: 33-45.
- _____. 2007. “Toward an Experimental Foundation for Benefit-Cost Analysis” Ecological Economics **63**: 649-655. Reprinted in The Roots of Ecological Economics, Charles Perrings (ed.), Sage Economic Library 2009.
- _____. and R. Juliá. 2007. “Technology and Petroleum Exhaustion: Evidence from two Mega-Oilfields” Energy **32**: 1448-1458.
- _____. 2007. “Avoiding Self-Organized Extinction: Toward a Co-Evolutionary Economics of Sustainability” International Journal of Sustainable Development and World Ecology **14**: 27-36 (invited paper).
- Ferrer-i-Carbonell, A. and _____. 2007. “Environmental Awareness and Happiness” Ecological Economics **60**: 509-516.
- _____. 2006. “Production Theory and Peak Oil: Collapse or Sustainability?” International Journal of Transdisciplinary Research **1** (1): 23-33.
- _____. 2006. “Evolutionary Theory and Economic Policy with Reference to Sustainability” Journal of Bioeconomics **8**: 1-19 (lead article).
- _____. 2006. “Darwinian Selection and Cultural Incentives for Resource Use: Tikopia as a Case Study of Sustainability” International Journal of Global Environmental Issues **6**: 348-361.
- _____. 2005. “Corporate Responsibility and Economic Theory: An Anthropological Perspective” International Journal of Sustainable Development **8(4)**: 302-314.
- _____. and R. Iorgulescu. 2005. “The Death of *Homo economicus*: Is there Life after Welfare Economics?” International Journal of Social Economics **32(1)**: 924-938.
- _____. 2005. “Sustainability and Collapse: What Can Economics Bring to the Debate?” invited editorial in Global Environmental Change **15**: 181-183.
- _____. and J. Erickson. 2005. “Ecological Economics at a Crossroads” Ecological Economics **53**: 17-20. Reprinted in Recent Developments in Ecological Economics (Joan Martinez-Alier and Inge Røpke, editors) Edward Elgar, 2007.
- _____. and J. Erickson. 2005. “The Approach of Ecological Economics” Cambridge Journal of Economics **29(2)**: 207-222. Reprinted in Etopia: Revue d'Écologie Politique (French Translation, 2008).
- _____. 2005. “Toward a New Welfare Foundation for Sustainability” Ecological Economics **53**:

- 211-222.
- Limburg, K., K. Stainbrook, J. Erickson and _____. 2005. "Urbanization Consequences: Case Studies in the Hudson River Watershed" American Fisheries Society Symposium **47**: 23-37.
- _____. 2004. "The Revolution in Welfare Economics and its Implications for Environmental Valuation" Land Economics **80**: 239-257.
- _____ and I. Seidl. 2004. "Economic Man and Selfish Genes: The Relevance of Group Selection to Economic Policy" Journal of Socio-Economics **33**: 343-358.
- _____. 2004. "Altruism, Evolution, and Welfare Economics" The Journal of Economic Behavior and Organization **53**: 69-73.
- _____. 2003. "The Iron Triangle: Why the Wildlife Society needs to take a position on Economic Growth" Wildlife Society Bulletin **31**: 574-577 (with 21 other authors).
- Bahn, A. and _____. 2003. "Economics, Technology, and Human Survival" World Futures **59**: 253-262.
- _____, R. Iorgulescu and S. Onyeiwu. 2003. "Fairness and Retaliation in a Rural Nigerian Village" The Journal of Economic Behavior and Organization **52(4)**: 469-479.
- _____ and M. Walton. 2003. "Consumer Sovereignty, Economic Efficiency and the Trade Liberalization Debate" International Journal of Global Environmental Issues **3(1)**: 1-13 (lead article).
- van den Bergh, Jeroen J.C.M. and _____. 2003. "The Microfoundations of Macroeconomics: An Evolutionary Perspective" Cambridge Journal of Economics **27(1)**: 65-84.
- Erickson, J. and _____. 2002. "The Strange Economics of Sustainability" letter to BioScience **52(3)**: 212.
- _____ and K. Mayumi. 2001. "Reformulating the Foundations of Consumer Choice Theory and Environmental Valuation" Ecological Economics **39**: 223-237.
- _____ and K. Limburg. 2001. "Comment on 'Guide to Diplomatic Relations with Economists'" Bulletin of the Ecological Society of America, April.
- Ayres, R. U., J. van den Bergh and _____. 2001. "Weak versus Strong Sustainability: Economics, Natural Science and 'Consilience'" Environmental Ethics **23(2)**: 155-168.
- _____. 2000. "Terms and Concepts in Ecological Economics" Wildlife Society Bulletin, **28(1)**: 26-33.
- _____ and K. Hubacek. 2000. "Land, Labor and Economic Man: Toward a New Vision for Sustainability" International Journal of Agricultural Economics, Governance and Ecology **1 (1)**: 17-27.
- van den Bergh, J. and _____. 2000. "Evolutionary Theories in Environmental and Resource Economics: Approaches and Applications" Environmental and Resource Economics **17(1)**: 37-57. 2000. Reprinted in Recent Developments in Ecological Economics (Joan Martinez-Alier and Inge Røpke, editors) Edward Elgar, 2008.
- _____ and J. Erickson. 2000. "Resource Use, Institutions and Sustainability: A Tale of Two Pacific Island Cultures" Land Economics **76(3)**: 345-354.
- _____ and A. Ferrer Carbonell. 1999. "Toward Consilience between Biology and Economics: The Contribution of *Ecological Economics*," Ecological Economics **29 (3)**: 337-348.

- _____ and I. Seidl. 1999. "Monetäre Bewertung von Biodiversität: Grundannahmen, Schritte, Probleme und Folgerungen" GAIA **8(2)**: 102-112.
- _____ and C. McDaniel. 1999. "The Physical Destruction of Nauru: An Example of Weak Sustainability" Land Economics **75 (2)**: 333-338.
- Köhn, J. and _____. 1999. "Coping with Complex and Dynamic Systems: An Approach to a Transdisciplinary Understanding of Coastal Zone Development" Journal of Coastal Conservation **5**: 163-170.
- Miller, J. and _____. 1998. "Vertically Integrated Measures of the Rate of Profit in the United States 1950 - 1990," Review of Income and Wealth, 555-563.
- _____, K. Mayumi and M. Giampietro. 1998. "Georgescu-Roegen versus Solow-Stiglitz Revisited" Ecological Economics **27 (2)**: 115-118.
- McDaniel, C. and _____. 1998. "Markets and Biodiversity Loss: Some Case Studies and Policy Considerations" International Journal of Social Economics **25**: 1454-1465, (lead article).
- _____ and S. Mesner. 1998. "The Evolution of Georgescu-Roegen's Bioeconomics" Review of Social Economy **56(2)**: 136-156.
- _____. 1997. "Biology and Economics," Structural Change and Economic Dynamics **8(4)**: 377-384, Introduction to special issue on biology and economics.
- _____ and S. O'Hara. 1997. "Weak Sustainability and Viable Technologies" Ecological Economics **17**: 239-248.
- _____. 1997. "The Value of Biodiversity: Markets, Society, and Ecosystems" Land Economics **73(1)**: 25-41. Reprinted in Ecosystems and Nature, R. Kerry Turner, editor, Edward Elgar, London, 2000.
- _____. 1996. "Society and Ecosystems: Discounting and the Social Aspects of Biodiversity Protection" International Journal of Social Economics **23**: 49-63, Special issue in honor of Professor Clem Tisdell.
- _____. 1995. "Trade and Environmental Sustainability: An Evolutionary Perspective" Review of Social Economy **53**: 493-510.
- _____ and C. McDaniel. 1995. "One World, One Experiment: Addressing the Biology-Economics Conflict" Ecological Economics **15**: 181-192.
- _____ and Jack Miller. 1994. "The Impact of Capital Formation on Input-Output Multipliers" Socio-Economic Planning Sciences **28 (4)**: 211-217 (lead article).
- _____. 1994. "The Social Context of Natural Capital: The Social Limits to Sustainable Development" International Journal of Social Economics **21**: 43- 55.
- _____. 1994. "The Regional Economic Base and Environmental Sustainability in Traditional Societies" Eco-Justice Quarterly **14**: 10-13.
- _____. 1994. "Natural Capital and the Growth Economy" Sustainable Development **2**: 12-16.
- _____. 1994. "Progress and Environmental Sustainability" Environmental Ethics **16**, 41-55.
- _____ and Peg Olsen. 1994. "Further Problems with Neoclassical Environmental Economics" Environmental Ethics **16**: 161-171.
- _____. 1994. "Innovation and Productivity Growth in the German Economy 1980-86" Applied Economics **25**: 675-680.
- _____. 1993. "The Implications of Punctuated Equilibrium for Economic Theory and Policy" Methodus **5**: 111-113.
- _____. 1993. "Economic Selection and the Role of Government: Some Lessons from

- Evolutionary Biology" Forum for Social Economics **22**: 61-70.
- _____. 1993. "Economic and Biological Aspects of Genetic Diversity" Society and Natural Resources **6**: 1-16 (lead article).
- Miller, J. and _____. 1992. "Vertically Integrated Measures of Total Factor Productivity: A Test of Standard Assumptions" Review of Income and Wealth **38**: 445-453.
- _____ and P. Olsen. 1992. "Land Use Policy in Lake George, New York: An Ecological-Economic Approach" Ecological Economics **6**: 235-252.
- _____. 1992. "Higher Selection Processes in Evolutionary Economic Change" Journal of Evolutionary Economics **2 (1)**: 1-16 (lead article).
- _____. 1992. "The Bioethics of Hunting and Gathering Societies" Review of Social Economy **50**: 130-149 (lead article).
- _____. 1992. "Labour Productivity and Energy Intensity in Australia 1974-1987: An Input-Output Analysis" Energy Economics **14 (1)**: 43-49.
- _____. 1992. "Economic Growth versus the Environment" Guest Comment, Environmental Conservation **19 (2)**: 102-104.
- _____. 1991. "Structural Change in the United States and Japan: An Extended Input-Output Analysis" Economic Systems Research **3 (4)**: 413-423.
- _____. 1991. "New Controversies in Evolutionary Biology: Lessons for Economists?" Methodus, **3 (1)**: 86-90.
- _____ and J. Miller. 1991. "An Input-Output Approach to Energy Efficiency in the USA and Japan (1960-1980)" Energy-The International Journal **16**: 897-902.
- _____. 1991. "Bioeconomics and Post Keynesian Economics: A Search for Common Ground" Ecological Economics **3**: 77-87.
- _____. 1991. "Toward a Theory of Non-Marginal Evolutionary Economic Change" Journal of Interdisciplinary Economics **4**: 71-89 (lead article).
- Adamou, N. and _____. 1990. "Inner Structures, Final Structures, and Feedback Structures in an Input-Output System" Environment and Planning A **22**: 1621-1636.
- _____. 1990. "Economic Evolution and Selection: Old Controversies and New Approaches," International Journal of Social Economics **17**: 4-14 (lead article).
- _____ and J. Miller. 1990. "Harrod-Robinson-Read Measures of Primary Input Productivity: Theory and Evidence from U.S. Data" Journal of Post Keynesian Economics **12**: 591-604.
- _____. 1988. "The Entropy Law and Marxian Value Theory" Review of Radical Political Economics **20**: 34-40.
- _____. 1988. "Entropy and Bioeconomics: A Review Article," The International Journal of Social Economics **15 (7)**: 81-84.
- _____ and A. Yesilada. 1988. "Decision Making Under Conditions of Turbulence and Uncertainty: The Case of the Kinked Demand Curve" Eastern Economic Journal **14**: 399-408.

- Sveikauskus, L., _____, and M. Funk. 1988. "Urban Productivity: City Size or Industry Size?" Journal of Regional Science **28**: 185-202.
- _____ and J. Miller and H. Kherbachi. 1987. "Energy Use in U.S. Agriculture: Early Adjustment to the 1973-74 Energy Price Shock" Southern Journal of Agricultural Economics, 33-41.
- _____ and J. Miller. 1987. "Technological and Demand Change in Energy Use: An Input-Output Analysis" Environment and Planning A **19**: 1387-1398.
- _____ and J. Miller. 1987. "Energy Use in Manufacturing: Early Structural and Technological Adjustment to the 1973-74 Energy Price Shock" Energy Systems and Policy **11**: 143-154.
- _____ and J. Miller. 1987. "Energy Use in the U.S. Service Sector: An Input-Output Analysis" Energy- The International Journal **12 (7)**: 555-562.
- _____. 1987. "Bioeconomics: Social Economy Versus the Chicago School" International Journal of Social Economics **14 (1)**: 32-42. Reprinted in Economics and Biology, Geoffrey Hodgson ed., Edward Elgar, International Library of Critical Writings in Economics, 1995.
- _____. 1987. "Gaia and Technological Utopianism" Journal of Economic Issues **22 (1)**: 473-477.
- _____. 1985-86. "Rational Expectations and Predictability" Journal of Post Keynesian Economics **8 (2)**: 192-200.
- _____. 1986. "NeoMarxian and NeoMalthusian Views of Scarcity: There is a Free Lunch" Review of Radical Political Economics **18 (4)**: 102-105.
- _____. 1985. "Evolutionary Theory and Economic Theory: Some Methodological Issues," Review of Social Economy **44 (3)**: 316-324. Reprinted in Evolutionary Economics, edited by Ulrich Witt, Edward Elgar Publishers, Brookfield Vermont, 1993. Also reprinted in Evolution: Critical Concepts in Social Science, edited by William Dugger and Howard Sherman, Routledge, London, 2002.
- _____. 1985. "Utility Theory and Agrarian Societies" International Journal of Social Economics **12**: 104-117.
- _____ and J. Miller. 1985. "Some Evidence Concerning Energy Efficiency in Manufacturing" Energy-The International Journal **10**: 975-982
- _____. 1985. "Industrial Electricity Demand in New York State" Energy-The International Journal **10**: 613-619.
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- _____. 1983. "The Industrial Demand for Natural Gas - Interindustry Variation in New York State" Energy Economics **5 (3)**: 171-178.
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- Page, W. and _____. 1983. "Potential Regional Economic Losses Due to the Long-Range Transport of Airborne Residuals" Energy-The International Journal **8**: 351-367.
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- _____. 1980. "Bioeconomics: A Comment" Review of Social Economy **38(1)**: 95-96.
- _____. 1980. "Estimating Gross Manufacturing Product at the Sub-National Level: A Comment" Journal of Regional Science **20(4)**: 517-519.
- _____. 1979. "Economic Growth Models and Regional Steady State Planning" Growth and Change **10(3)**: 37-42. Reprinted in Reprint Series III, Regional Research Institute, West Virginia University.

BOOK CHAPTERS

- Gowdy, J., M. Mazzucato, S. Page, J. van den Bergh, S. Van der Leeuw, D.S. Wilson. 2016. Shaping the evolution of complex societies. IN: Complexity and Evolution: A New Synthesis for Economics. D.S. Wilson and A. Kirman (eds.), Strüngmann Forum Reports, Vol. 19. J. Lupp, Series editor. Cambridge, MA: MIT Press.
- Gowdy, J. 2014. Governance, sustainability, and evolution. In Governing for Sustainability, State of the World 2014. Worldwatch Institute, Washington, D.C. Island Press, pp. 31-40.
- Gowdy, J. and S. Parks. 2014. "The Behavioral Argument for an Expanded Valuation Framework for Biodiversity and Ecosystem Services" In Handbook on the Economics of Ecosystems and Biodiversity (Paulo Nunes, Pushpam Kumar and Tom Dedeurwaerdere (eds.) Cheltenham, UK: Edward Elgar. pp. 113-129.
- Gowdy, J. and P. Baveye, P. 2013. Monetary valuation of ecosystem services: Unresolvable problems with the standard economic model. Commentary in Ecosystem Services—Global Issues—Local Practices, Sander Jacobs, Nicolas Dendoncker, Hans Keune (Eds.) Elsevier, Amsterdam.
- Gowdy, J. 2013. "Valuing Nature for Climate Change Policy: From Discounting the Future to Truly Social Deliberation" In Handbook on Energy and Climate Change, Edward Elgar, Roger Fouquet (ed.), pp. 547-560.
- _____. 2013. "Toward a Science-based Theory of Behavior: Building on Georgescu-Roegen" In Beyond Uneconomic Growth: Essays in Honor of Herman Daly. J. Farley, R. Goodland, and D. Malghan (eds.), Cheltenham, UK, Edward Elgar.
- Krall, L. and _____. 2012. "An Institutional and Evolutionary Critique of Natural Capital" In Toward an Integrated Paradigm in Heterodox Economics – Alternative Approaches to the Current Eco-Social Crises. Rolf Steppacher and Julien-François Gerber (Eds.) London, Palgrave-Macmillan, 127-146.
- Gowdy, J. 2011. "Economy, Ecology and Sustainability" In Ecology Revised: Reflecting on Concepts, Advancing Science A. Schwartz, K. Jax (eds.), Springer, Dordrecht and New

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- _____. (with 10 other authors) 2010. "Lessons Learned and Linkages with National Policies". (lead author) Chapter Seven. In The Economics of Ecosystems and Biodiversity: Ecological and Economic Foundations. Pushpam Kumar (ed.). An output of TEEB: The Economics of Ecosystems and Biodiversity. London: Earthscan pp. 285-306.
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- _____. 2009. "The *Stern Review* and New Directions in Environmental Valuation" in Nature Conservation Economics, Ralf Döring (editor), Metropolis-Verlag, Berlin, 167-182.
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- Deep Ecology and Buddhist Economics, Laszlo Zsolnai and Knut Johannessen Ims (eds.), Peter Lang, Oxford, pp. 83-102.
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- Erickson, J., C. Hermans, _____, J. Polimeni, K. Stainbrook, A. Nowosielski, and K. Limburg. 2005. "Anticipating Change in the Hudson River Watershed: An Ecological Economic Model for Integrated Scenario Analysis" In Economics and Ecological Risk Assessment: Applications to Watershed Management, 341-370, Randall Bruins and M. Heberling (editors) CRC Press, Boca Raton, FL.
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- _____. 2001. "Institutions, Macroevolution, and Economic Selection," in Frontiers of Evolutionary Economics: Competition, Self-Organization and Innovation Policy, John Foster and Stan Metcalfe (eds.) Edward Elgar, pp. 31-40.
- _____. 2001. "Teaching the Social Dimensions of Environmental Economics," in Teaching the Social Economics Way of Thinking, John O'Boyle editor, Edwin Mellon Press.
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- _____. 2001. "Markets and Ecosystems: The Limits of Self-Organization," in Cybernetics, Ecology and Bioeconomics, I.C. Dragan, E.K. Seifert, G Strassert, M. C. Demetrescu and C. Bob (editors), Nagard Publishers, Milan, pp. 32-45.
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BOOK REVIEWS

- "Darwinian Economics", 2013, Review of G. Hodgson and T. Knudsen, *Darwin's Conjecture* and
 G. Hodgson *From Pleasure Machines to Moral Communities*, Bioscience 63(10), 824-827.
 Review of Beyond Developmentality by Debal Deb, In Ecological Economics 69, 2011, 1884
 (with Aneel Salman).
 Review of Frontier Issues in Ecological Economics by Phillip Lawn, in Ecological Economics
 66,
 2008, 211-212.
 Review of The Origins of Ecological Economics: The Bioeconomics of Nicholas Georgescu-Roegen by Kozo Mayumi, In Economica 74, 2007, 180-181.
 Review of The Evolution of Institutional Economics: Agency, Structure and Darwinism in American Institutionalism by Geoffrey Hodgson, In the Journal of Economic Issues,
 December 2006, 1169-1174.
 Review of Nature's Magic, by Peter Corning, In Journal of Bioeconomics 8, 2006, 189-191.
 Review of Greenhouse Economics, by Clive Spash, In Ecological Economics 46, September
 2003,
 307-308.
 Review of Economics, Entropy and the Environment, by T. Randolph Beard and Gabriel Lozada,
 in Journal of Bioeconomics 5, 2003, 75-78 (with Raluca Iorgulescu).
 Review of Biodiversity, Conservation and Sustainable Development, by Clem Tisdell, in
International Journal of Sustainable Development 3(2), Spring 2000.
 Review of Sustainable Development: Science, Ethics, and Public Policy, edited by John Lemons

and Donald Brown, in Environmental Values, 8, August 1999, 403-404.
Review of The Environmental Consequences of Growth, by Douglas E. Booth in Review of Social Economy, LVII (March 1999), 124-127.
Review of The Future of the Environment, by Faye Duchin and Glen-Marie Lange, in Ecological Economics 19, 1996, 219-222.
Review of Economics and Thermodynamics: New Perspectives on Economic Analysis, Edited by Peter Burley and John Foster, Kluwer Academic Press, 1994, published in Evolutionary Economics, 1995.
Review of The Return of Scarcity by H.C. Coombs (Cambridge University Press, 1990), in Review of Radical Political Economics, 1992
Review of Socio-Economic Accounting by Ahmed Belkaoui (Greenwood Press 1983) in Review of Social Economy. April 1986.
Review of The Illusions of Conventional Economics by William Miernyk (West Virginia University Press 1983) in West Virginia University Alumni Magazine, 1984.

MEMBER OF EDITORIAL BOARDS

Challenges in Sustainability (since September 2012)
Ecological Economics (since 1994)
Ecological Economics Reviews (reappointed August 2011)
Ecosystem Services (since October 2011)
Environmental Ethics (term for 1995-2005)
Environmental Innovations and Societal Transitions (since March 2010)
Environmental Values (since November 2013)
Environmental Science and Policy (reappointed August 2011)
Global Environmental Change: Human and Policy Dimensions (term for 2004-2006)
Government and Policy: Environment and Planning C (term for 2000-2010)
International Journal of Agricultural Resources, Governance and Ecology (since 1999)
International Journal of Global Environmental Issues (since 1998)
Journal of Bioeconomics (appointed August 2011)
NUST Journal of Business and Economics (National University of Sciences and Technology, Islamabad, Pakistan) (since 2008)
Review of Behavioral Economics (since April 2013)
Structural Change and Economic Dynamics (term for 1997-2007)

REFEREE FOR THE FOLLOWING JOURNALS

Recent - Conservation Biology, Ecological Economics, Environment and Planning C: Government and Policy, Environmental Science and Technology, Environmental Ethics, Evolutionary Economics, Global Environmental Change, Journal of Economic Behavior and Organization, Land Economics, Nature, Proceedings of the National Academy of Science, Proceedings of the Royal Society of London A, Science

Occasional – Ambio, Applied Economics, BioScience, Contingencies and Crisis Management,

Current Anthropology, Eastern Economic Journal, Ecological Modeling, Environmental and Resource Economics, Environmental Values, IEEE Transactions on Systems, Man, and Cybernetics, International Journal of Sustainable Development, Journal of Bioeconomics, Journal of Economic History, Journal of Economics and Psychology, Journal of Environmental Management, Journal of Human Development and Capabilities, Journal of Industrial Ecology, Journal of Post Keynesian Economics, Journal of Socio-Economics, Nature: Climate Change, Quarterly Review of Economics and Business, Review of Income and Wealth, Review of Social Economy, Review of Political Economy, Society and Natural Resources, Structural Change and Economic Dynamics, Wildlife Society Bulletin

OFFICES HELD AND OTHER APPOINTMENTS

Advisory Board, Swiss Federal Research Institute WSL. 2012 - present

President, International Society for Ecological Economics, 2010-2012.

Scientific Advisory Board, The Evolution Institute, Binghamton University 2010 - present

International Advisory Council member, Centre for Economics, Environment and Society (CEES), Bangalore, India.

Science Advisor, New York State Energy Research Development Authority, Environmental Monitoring, Evaluation and Protection program. 2010 - present

Board member, International Society for Ecological Economics, 2006 – 2013.

Expert Reviewer, World Bank, Integrated Assessment of Agricultural Science and Technology for Development (IAASTD) August/ September 2006.

FORMAS Panel – Served as Chair of an international panel to review grant proposals for the Swedish research agency FORMAS in the areas of biological science and sustainability, Stockholm, September 2005.

President, United States Society for Ecological Economics, 2002-2003.

Environmental Protection Agency, Science Advisory Board, Section on Environment and Engineering, 2001-2008

Expert Reviewer, Intergovernmental Panel on Climate Change (IPCC), Third Assessment Report. 2001, 2003

AWARDS

Herman Daly Award for outstanding contributions to Ecological Economics, U.S. Society for Ecological Economics, June 2009.

Outstanding Researcher Award 2009, School of Humanities, Arts, and Social Sciences, Rensselaer Polytechnic Institute, May 2009.

2004 Leverhulme Distinguished Professor award to visit the University of Leeds, UK, Fall 2004, £26,000.

GRANTS

Knowledge and Innovation Program (KIP) "Multiscale Modeling of Urban Environmental Energy Flows." (Assad Oberai PI with Anna Dyson, Onkar Sahni, and Alex Rempel)

2014 – PI for “The Economic, Social and Environmental Value of the Sudd Marsh, Southern Sudan. Funded by the United Nations Environment Program, Nairobi, Kenya. Through the Evolution Institute, \$70,000.

2010-2012 “Integrating Evolutionary Theory with Behavioral Economics” National Evolutionary Synthesis Center. PI with David Sloan Wilson for a two-year study group of biologists, economists and behavioral scientists addressing the question of integrating behavioral economics with evolutionary theory.

2008-2009 “The Challenge of Sustainable Well-Being: Development and Climate Change Adaptation in Vulnerable Areas (Coastal and Northern) in Pakistan.” South Asia Network of Economic research Institutes. Funded through Forman Christian University in Lahore, Pakistan. \$10,000 travel grant to fund, among other things, my travel to Pakistan and the villages of Ketibunder at the mouths of the Indus River.

2001 Research Grant from Rensselaer Polytechnic Institute, “A Pilot Project to Construct a SAM for a Small Village in Nigeria”, \$13,000 (with Stephen Onyeiwu).

2000 National Science Foundation / DAAD “Regional Sustainability: Bridging Resource Conservation and Economic Development,” \$13,000 plus 36,000DM over two years, awarded (with Jon Erickson and Irene Ring).

2000 United Ventures LLC “Hudson Waterfront Development Project - Economic Impact Study” (with Jon Erickson) \$36,000.

2000- 2003. Hudson River Foundation,” Modeling and Measuring the Process and Consequences of Land Use Change: Case Studies in the Hudson River Watershed” (with Jon Erickson and Karin Limburg) \$296,000.

RECENT PRESENTATIONS

New York University, Environmental Studies Program. “Toward an Evolutionary Approach to Economic Policy: The Cases of Climate Change and Biodiversity” April 2015.

United Nations Environment Program, Nairobi Kenya. "Valuing the Sudd Wetland, South Sudan"

Gund Institute, University of Vermont, "Evolutionary Environmental and Development Policies: The Case of the Sudd Wetland, South Sudan. April 2015

"Past Presidents Panel", "Ultrasociality and the Human Predicament" International Society for Ecological Economics, Reykjavik, Iceland August 2014

United Nations Environmental Program, Hanoi, Vietnam May 2014. Mainstreaming Ecosystem Services

United Nations Environmental Program, New York, New York February 2014. Ecosystem Services in Small Island Nations.

"Beyond Monetary Valuation of Ecosystems Services" UNEP, VALSA Nairobi, Kenya, December 3-4, 2013.

"Behavioral Economics, Energy and Climate" Behavior, Energy and Climate Change conference, Sacramento, California, November 2013.

"The Ultrasocial Origin of the Human Condition" Workshop: Can Norway's Cultural Ethos be Sustained? Sponsored by the Evolution Institute, Oslo, Norway October 10-12, 2013. With Lisi Krall.

"Evolution, Governance, and Sustainability" SUNY Binghamton, September 2013. (with Lisi Krall)

"Human Ultrasociality" U.S. Society for Ecological Economics, Biannual Meeting, University of Vermont, Burlington, June 2013. (with Lisi Krall)

"Ultrasociality and Sustainability" NSF conference "Evolution out of Bounds", on Evolutionary Approaches to Solving Problems of Science and Society, Snowbird, Utah, June 2013.

"Ultrasociality and the Origins of the Anthropocene" Workshop on Evolution and Sustainability, Bar Harbour, Maine, April 2013.

"Human Ultrasociality and the Anthropocene," Keynote Address, Twentieth Anniversary Celebration of the Environmental Economics Center, Economic University of Vienna, November 16, 2012.

"Agriculture and the Evolution of Human Ultrasociality," Symposium on "Biological Determinants & Contingencies of Economic Behavior" Sponsored by the Max Planck Institute, Ringberg Castle. Germany, August 2012.

"Discounting Biodiversity: An Evolutionary Perspective" Keynote Address, TEEB Conference on Biodiversity and Ecosystem Services, Leipzig, March 2012.

"The Evolution of Hyperbolic Discounting" National Evolutionary Synthesis Center, Durham, North Carolina, November 5, 2011.

"Georgescu-Roegen's Utility Theory" Indian Society for Ecological Economics, Hyderabad, October 2011.

"Valuation issues in environmental building design", Harvard Graduate School of Design, Harvard University, September 16, 2011.

"Beyond Microfoundations in the Economic Valuation of Natural Resources: The Case of Bee Pollination in Maoxian County, China" with Lisi Krall, U.S. Society for Ecological Economics, East Lansing Michigan, June 28, 2011.

- “Bringing Evolutionary Theory into Behavioral Economics” National Evolutionary Synthesis Center, Durham, North Carolina, May 5, 2011.
- “Economic Trends Affecting Global Land and Soil” United Nations Environment Program, Paris March 28, 2011.
- “Climate Policy and the Social Brain” Garrison Institute workshop on “Climate, Mind and Behavior” Garrison, New York, March 3, 2011.
- “Economics and Evolution” Keynote Address for Duquesne University’s annual Darwin Day celebration. Pittsburgh, February 17, 2011.
- “The Economic Valuation of Environmental Resources” University of Versailles Saint-Quentin-en-Yvelines, France, November 23, 2010.
- “Behavioral Economics and Neuroeconomics” University of Versailles Saint-Quentin-en-Yvelines, France, November 25, 2010
- “Valuing Biodiversity and Ecosystem Services” Summer Workshop, Belpasso, Italy September 12-14, 2010.
- “Discounting the Value of Ecosystems and Biodiversity” Conference of the International Society for Ecological Economics, Oldenburg, Germany, August 23, 2010.
- “Sustainable Development and Ecosystem Services” School of Humanities and Social Science, Khon Kaen University, Khon Kaen Thailand, August 6, 2010.
- “The Evolution of Climate Change Economics” Environmental Protection Agency, New England Regional Office, Boston, June 17, 2010.
- “Neuroeconomics and Public Acceptance of Energy Efficiency Policies,” Forschungszentrum Jülich, Germany, Center for Energy Research June 12, 2010.
- “Neuroeconomics and Climate Change Policies” Garrison Institute, New York City, April 28, 2010.
- “Welfare Economics and Sustainability” Gosnell Lecture series in Economics, Rochester Institute of Technology, March 22, 2010.
- “Behavioral Economics and Public Policy” Garrison Institute Conference on Behavior, Mind and Climate, March 12, 2010.
- “An Evolutionary Perspective on Economics and Public Policy” Binghamton University, The Evolution Institute, January 25, 2010.
- “Discounting Nature’s Services” Panel on the results of the TEEB review, Twelfth Conference of the Sustainable Development Policy Institute, Islamabad, Pakistan, December 22, 2009.
- “The Nature of Value and the Value of Nature” Torch Club, Schenectady, New York, December 10, 2009.
- “Environmental policy and Evolutionary Theory” National Evolutionary Synthesis Center (NESCent) workshop, November 13-16, Durham, North Carolina.
- “The Importance of Local Information to Attitudes about Climate Change Policy” presented at the workshop on Sustainable Consumption Research and Action Initiative” (SCORAI), Tellus Institute, Worcester, Massachusetts, October 15-17 (with Marsha Walton).
- “Beyond Weak and Strong Sustainability: An Evolutionary Approach” June 19, 2009 and “A Behavioral Approach to Climate Policy” June 20, 2009

- Summer workshop on “Integrated Analysis of Complex, Adaptive Systems” SPRU – Science and Technology Policy Research, Environment and Energy Programme, University of Sussex, Brighton, UK.
- “Ecosystem Services and the GDP of the Poor” Centre for Public Policy and Governance, Forman Christian University, Lahore, Pakistan, June 12, 2009
- “Ecosystem Functions, Institutions and Climate Change: The Case of Keti Bunder, Pakistan” SCAPES (Strengthening Capacity to Alleviate Poverty through Ecosystem Services) Bangalore, India, June 13, 2009
- “Climate Change Economics in the Long Run” U.S. Society for Ecological Economics biannual meeting, Washington D.C., June 2, 2009. With Roxana Juliá
- “The Effect of Local Climate Change Impact Information on Attitudes about Climate Change Policy” U.S. Society for Ecological Economics biannual meeting, Washington D.C., June 1, 2009. With Marsha Walton
- “The Nauruization of the Global Economy” Session on Macroeconomic Policy Goals – Growth in GDP, Sustainability & Well-being” Canadian Economic Association meeting, Toronto, May 29, 2009.
- “Valuation, Sustainability and Discounting” Symposium: Bringing the Human Economy in Line with Ecology, Quaker Institute for the Future, Montreal, Canada, May 15, 2009.
- “The Economics of Climate Change” New York State Research and Development Authority” April 16, 2009.
- “Discounting Biodiversity” Workshop on the TEEB (The Economics of Ecosystems and Biodiversity) initiative, Imperial College London, Centre for Population Biology, April 8, 2009.
- “New Approaches to Valuing Biodiversity and Ecosystem Services” ARIES Economic Valuation Workshop, University of Vermont, March 27, 2009
- “The Financial Meltdown and the Economics of Sustainability” New York State Museum, Public Lecture, March 25, 2009
- “What is Sustainability? Economics, Science, and Ethics” Hera sustainability group, SUNY-Stony Brook, March 18, 2009
- “Climate Change Policy and Behavioral Economics” Center for Public Policy & Administration, University of Massachusetts, November 19, 2008.
- “Discounting Climate Change” Invited participant in roundtable discussion, International Society for Ecological Economics, Nairobi, Kenya, August 9, 2008.
- “Climate Change and Economic Development: A Pragmatic Approach” Keynote Address, Pakistan Society for Development Economics, Islamabad, Pakistan, March 11-13, 2008.
- “Behavioral Economics and Climate Change Policy” SPRU, Sussex, U.K. March 4, 2008.
- “The *Stern Review* and Climate Change Policy: A New Direction for Environmental Valuation?” Autonomous University, Barcelona, Spain, February 24, 2008.
- “The Economic Analysis of Climate Change” University of New Hampshire, January 11, 2008.
- “Behavioral Research and Economic Policy” Opening Keynote Address, Conference on Linking Behavioral Research to Energy-Related Decision-Making, Albany New York, December 5-6, 2007, sponsored by the New York State Energy Research Development Authority.

- “Economic Valuation of the Environment: Discounting What?” Workshop on Nature Conservation Economics, Vilm, Germany, October 10-13, 2007.
- “Real Human Behavior and Climate Change Policy” Keynote address, Australia/New Zealand Ecological Economics Society, Noosa Heads Resort, Queensland, Australia, July 2007.
- “The Economics and Politics of Global Warming” Keynote Earth Day address, Wells College, Aurora, New York April 2007.
- “Behavioral Economics and Sustainability”, Keynote Address, Association for Social Economics, Chicago, January 2007.
- “Georgescu-Roegen and the Future of Ecological Economics” Invited panel member, International Society for Ecological Economics, New Delhi, India, December 2006.
- “The Utility Theory of Nicholas Georgescu-Roegen” Max Planck Institute, Jena, Germany March 2006.
- “Cost-Benefit Analysis and Sustainability” EPA Panel on sustainability and cost-benefit analysis, Washington, D.C. December 4, 2005
- “Input-Output Analysis as an Alternative to Neoclassical Production Theory” 9th International Input-Output Conference, Beijing, China, June 2005.
- “Economic Theory and Biodiversity Valuation”, SUNY Albany, Graduate Program in Biodiversity Policy, February 2005.
- “Environmental Policy and the Changing Face of Welfare Economics” December 13, 2004 – U.K. Environmental Protection Agency, London.
- “Actors and Institutions – New Directions in Evolutionary Economics” December 7, 2004 – Research Seminar Series, School of Earth and Environment, University of Leeds.
- “Evolutionary Theory and Economic Policy” December 4, 2004—Max Planck Institute, Jena, Germany, Workshop on Evolutionary Concepts in Economics and Biology.
- “The Revolution in Welfare Economics and its Implications for Environmental Valuation” October 26, 2004 – Leverhulme Lecture II, University of Leeds.
- “Experimental Economics and the Theory of the Firm” October 22, 2004 – University of Nottingham, Interdisciplinary Conference on Corporate Social Responsibility.
- “Experimental Economics and Environmental Policy” October 20, 2004 – University of Hertfordshire.
- “Towards Sustainable Consumption: The Role of Endogenous Preferences” October 5, 2004 – Leverhulme Lecture I, University of Leeds.
- “Welfare Economics and Environmental Valuation,” Canadian Society for Ecological Economics, Jasper, Alberta, October 2003.
- “Valuing Biodiversity: Recent Breakthroughs in Economic Theory” SUNY - Albany Graduate Program in Biodiversity Policy, March 2003
- “An Integrated Assessment of Economy-Environment-Land Use in the Hudson River Valley” Department of Economics Seminar, Sienna College, March 2003
- “After the New Welfare Economics: Can Ecological Economics fill the Void?” Lecture Series in Ecological Economics, University of Vermont, February 2003.
- “The Revolution in Welfare Economics and its Implications for Environmental Valuation,” Plenary Lecture, Frontiers 2, European Society for Ecological Economics, Tenerife,

Spain, February 2003.
“Welfare Economics and Environmental Valuation” University of Vermont, September 2002.
“The Value of Biodiversity Valuation,” Workshop on the Ecology and Economics of Nature Protection (Ökonomie des Naturschutzes), International House, Sonnenberg, Harz, Germany, May 2002
“The Approach of Ecological Economics,” UmweltForschungsZentrum (UFZ), Leipzig, Germany, May 2002
“Fairness and Retaliation in a Rural Nigerian Village,” Meeting of the International Society for Ecological Economics, Sousse, Tunisia, March 2002.
“Socio- Economic Factors Impeding Sustainability: The Case of Nauru,” Research Center for Worldwide Business, Doshisha University, Kyoto, Japan, February 2001.
“Ecological Economics and Environmental Education: Regional Case Studies,” International Society for Ecological Economics, Canberra, Australia July 2000.
“Economic Man, Game Theory and Environmental Policy,” Vienna, Wirtschaftsuniversität Wien,
June 2000.
“Evolutionary Economics” Zürich, Faculty of Life Sciences and Artificial Intelligence, University of Zürich, May 2000.
“Economic Man and Weak Sustainability,” Regional Research Institute, West Virginia University, Morgantown, West Virginia, January 2000.

TEACHING

Economics Courses taught - Advanced Microeconomic Theory, Intermediate Microeconomics, Intermediate Macroeconomics, Natural Resource Economics, Environmental Economics, Ecological Economics, Introduction to Economics, Evolutionary Economics, Topics in Macroeconomic Policy.

First Year Studies Courses Taught – Nature and Society; Economy, Ecology and Ethics; Growing up in America; Technology at the Crossroads

Other courses taught - Structure of American Industry, Intermediate Microeconomic Theory, Mathematical Economics, Managerial Economics, Input-Output Analysis (in Vienna, Austria), Cost-Benefit Analysis (in Zürich, Switzerland, and Vienna, Austria)

THESIS SUPERVISION

Masters Theses

Nicholas Adamou, “A Keynesian Model of Trade for an Open Economy,” 1983.
Rodrigo Navia, “Energy Demand Analysis for the Industrial Sector in Columbia,” 1984.

Klaus Hubacek, "Social Discourse Processes and Economic Incentive Measures used for the Establishment of the National Park Neusidler See-Seewinkel," August 1998.
Sigrid Stagl, "On the Importance of Cooperation for Ecological Economics," August 1998.
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