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I. PERSONAL

Date of Birth November 20, 1969

Family Married to Patricia Erickson, Doctor of Veterinary Medicine
Lecturer, Department of Animal Sciences, University of Vermont
Father to Louis and Jon

Hometown Saratoga Springs, New York

II. ACADEMIC APPOINTMENTS

Managing Director Gund Institute for Ecological Economics
2009 – current University of Vermont, Burlington, Vermont

Associate Professor Rubenstein School of Environment and Natural Resources
2002 – current University of Vermont, Burlington, Vermont

- Secondary Appointment: Environmental Studies
- Program Faculty: Recreation Management (BS); Environment, Society & Public Affairs (MS); Natural Resources (Ph.D.)
- Fellow: Gund Institute for Ecological Economics

Visiting Professor Faculty of Social Sciences and Business Administration
2006 – 2007 Pontificia Universidad Católica Madre y Maestra, Santiago, Dominican Republic

Assistant Professor Department of Economics
1997 – 2002 Rensselaer Polytechnic Institute (RPI), Troy, New York

- Joint Appointment: Faculty of Information Technology

Lecturer Department of Applied Economics and Business Management
1994, 1995, 1997 Cornell University, Ithaca, New York

Visiting Lecturer Institute of Economic Studies
Fall 1995 University of Agriculture, Nitra, Slovakia

III. EDUCATION

Ph.D. Cornell University
1997 Natural Resource & Environmental Economics

- Minors: Forest Ecology, Quantitative Methods

M.S. Cornell University
1993 Natural Resource & Environmental Economics

- Minor: International Relations

B.S. Cornell University
1991 Applied Economics and Business Management

A.S. North Country Community College, Saranac Lake, NY
1989 Business Administration

IV. TEACHING**A. University of Vermont (2002 – current)****Undergraduate***Core Curriculum*

NR 104	Social Processes and the Environment (year 2 core class for all Natural Resource majors)	2002-2009 (9 semesters)
ENVS 151	Intermediate Environmental Studies (year 2 core class for all Environmental Studies majors)	S09, F05

Problem-Based Courses

ENVS 195	Introduction to Ecological Economics (cross-listed with Economics, Business, Comm. Dev., and NR)	S10, S08, S05, F03, S03
FOR 152	Forest Resource Values (cross-listed with Recreation Management)	S04
NR 285	Seminar in EcoVillage Design (cross-listed with Plant & Soil Science, and Community Dev.)	F03

Travel Study Courses

ASCI 298	Conservation Medicine in the Developing World: a One World, One Health Approach	S10
ENVS 295	HIV/AIDS Prevention Education in Migrant Communities: Travel Study to the Dominican Republic (cross-listed with Community Development & Applied Economics)	F08, F07, F05, S05
ENVS 295	The Adirondacks: a Travel Study in Regional Sustainable Development (cross-listed with Recreation Management)	S08, F05, Sm04
ENVS 295	Winter Sports Culture, Community, and Economy	S04

Honors Courses

HCOL 196	Consilience: the Quest for Unity of Knowledge	S08
NR 199	Honors Seminar: Ecological Economics	S03

Graduate Courses

NR 385	Ecological Economics	F10, F08, F07, F04, F03
NR 385	Measuring Genuine Economic Progress: a Travel-Study to Iceland	S10
BSAD 295	Sustainable Business (cross-listed with Natural Resources)	Sum 08-10, 05
NR 385	Vermont Field Studies	F08-09, F03-05
NR 378/385	Adirondack Park: the Great Experiment in Conservation (co-taught with SUNY College of Environmental Science & Forestry)	F09, S09, S04
NR 378	Integrating Analyses of Natural Resource Issues (grad) (cross-listed with undergraduate Ecological Economics)	S03

Guest Lectures

ENVS 1	Introduction to Environmental Studies	Every fall
ENVS 2	International Environmental Studies	Every spring
ENVS 201	Research Methods	Every semester
ACSI 171	Zoos, Exotics, and Endangered Species	Every fall
ACSI 281	Animal Science Career Seminar	S10, S09, S08
ANTH 230	Ethnology (Western State College)	S10
ENVS 410	Environmental Ethics (Western State College)	S10

NR 002	Nature and Culture	S09
NR 085	Earth 101	S10, S09
EDSS 200	Caribbean Food, Culture and Music	F09, S09,08,06
CDAE 195	Introduction to Central America and the Caribbean	F09, S09, S08
BSAD 295	Advanced Operations Strategy	S08
NR 285	Promoting Ecological Literacy in Local Communities	S09, S06, S05
High School	High School for Environmental Studies (UVM Visit)	S06, S05
High School	Sustainable Development (South Burlington)	F05
NR 199	Honors Seminar: Does Science Really Matter?	S05
NR 385	Professional Research Skills (grad.)	S05
WFB 174	Principles of Wildlife Management	F04
High School	Public Interest and World Affairs (South Burlington)	F04
SUNY ESF	Hudson River Watershed (Newcomb, NY)	Summer 09, 04
CDAE 61	Principles of Agric., Resource, & Comm. Develop. Economics	F03
NR 378	Integrating Analyses of Natural Resource Issues	F03

B. Rensselaer Polytechnic Institute (1997 – 2002)

Graduate Courses

Ecological Economics
 Natural Resource Economics
 Regional Economics
 Quantitative Methods

Undergraduate Courses

Freshman Studies: Global Economy in the
 Information Age
 Introductory Economics

Independent Studies

Environmental Auditing
 Energy Economics
 Spatial Economics and GIS
 Urban Economic Issues

Dynamic Systems Simulation
 Neuro-Networks and Forecasting
 Environmental Risk Assessment

Guest Lectures

One Mile on the Hudson
 Environmental Politics and Policy

Ecological Economics, Values, & Policy (grad.)
 Environmental Economics (grad.)

C. Cornell University (1991 – 1997)

Lecturer

Statistics

- Junior-level required introduction to statistics, Spring 1997, Summer 1995, Spring 1994
- Graduate-level applied statistics, Nitra, Slovakia, Fall 1995

Teaching Assistant

Mathematical Programming, Fall 1994
 Economics of the Public Sector, Spring 1992
 Statistics, Fall 1991

- Awarded “College of Agriculture & Life Sciences Outstanding Teaching Assistant”

Guest Lectures

Critical Issues in Conservation and Sustainable Development
 Environmental Economics (grad.)
 Natural Resource Economics
 Systems of Native American Land Management

D. EnviroVet Summer Institute (2005 – current)

Program Faculty, teaching:

- “Economics of Ecosystem Health,” White Oak Conservation Ctr., Yulee, FL, June 2005-08, 10
- “Economics of Marine Fisheries,” Developing Country Session, Tanzania, July 2009.

E. University of Iceland (2008 – current)

Visiting Instructor, Environment and Natural Resources Masters Programme, teaching:

- “Ecological Economics,” 1 week course, each September, 2008-09.
- “Measuring Genuine Economic Progress,” held jointly with UVM course, May 2010.

V. RESEARCH

A. Books

- Porter, W.F., Erickson, J.D. and R.S. Whaley (Eds.), *The Great Experiment in Conservation: Voices from the Adirondack Park*, 39 chs., Syracuse University Press, Syracuse, NY, 2009.
- Erickson, J.D., Messner, F. and I. Ring (Eds.), *Ecological Economics of Sustainable Watershed Management*, 16 chs., Series on Advances in the Economics of Environmental Resources, Elsevier, Amsterdam, The Netherlands, 2007.
- Erickson, J.D. and J. Gowdy (Eds.), *Frontiers in Ecological Economic Theory and Application*, 17 chs., Edward Elgar, Cheltenham, UK, 2007.
- Farley, J., Erickson, J.D. and H. Daly, *Ecological Economics: a Workbook for Problem-Based Learning*, 10 chs., Island Press, Washington, DC, 2005.

B. Journal Articles

- Cox, G., Woods, A., Holmes, T., Porter, W. and J.D. Erickson, “Survey of Public Priorities as a Guide for Future Sustainable Investment Strategies in the Northern Forest,” *Adirondack Journal of Environmental Studies*, forthcoming.
- Mazet, J.M., Clifford, D., Coppolillo, P.B., Deolalikar, A.B., Erickson, J.D. and R.R. Kazwala, “A ‘One Health’ Approach to Address Emerging Zoonoses: The HALI Project in Tanzania,” *PLoS Medicine* 6(12): e1000190, 2009.
- Hong, B., Limburg, K.E., Erickson, J.D., Gowdy, J.M., Nowosielski, A., Polimeni, J. and K. Stainbrook, “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, 2009.
- Hermans, C., Erickson, J., Sheldon, A., Noordewier, T. and M. Kline, “Collaborative Environmental Planning in River Management: an Application of Multicriteria Decision Analysis in the White River Watershed of Vermont, USA,” *Journal of Environmental Management* 84: 534-546, 2007.
- Mulder, K., Costanza, R. and J. Erickson, “Alternative Approaches to Achieving a Sustainable Quality of Life: an Analysis of Life within Intentional Communities,” *Ecological Economics* 59(1): 13-23, 2006.
- Kobos, P., Erickson, J.D. and T.E. Drennen, “Technological Learning and Renewable Energy Costs: Implications for U.S. Energy Policy,” *Energy Policy* 34(13): 1645-1658, 2006.
- Farber, S., Costanza, R., Childers, D.L., Erickson, J., Gross, K., Grove, M., Hopkinson, C.S., Kahn, J., Pincetl, S., Troy, A., Warren, P. and M. Wilson, “Linking Ecology and Economics for Ecosystem Management,” *Bioscience* 56(2): 121-133, 2006.
- Gowdy, J. and J. Erickson, “Ecological Economics at a Crossroads,” *Ecological Economics* 53(1): 17-20, 2005.

- Gowdy, J. and J.D. Erickson, "The Approach of Ecological Economics," *Cambridge Journal of Economics* 29(2): 207-222, 2005.
- Costanza, R., Erickson, J.D., Fligger, K., Adams, A., Adams, C., Altschuler, B., Balter, S., Fisher, B., Hike, J., Kelly, J., Kerr, T., McCauley, M., Montone, K., Rauch, M., Schmiedeskamp, K., Saxton, D., Sparacino, L., Tusinski, W. and L. Williams, "Estimates of the Genuine Progress Indicator (GPI) for Vermont, Chittenden County, and Burlington, from 1950 to 2000," *Ecological Economics* 51: 139-155, 2004.
- Wright, E. and J.D. Erickson, "Climate Variability, Economic Adaptation, and Investment Timing," *International Journal of Global Environmental Issues* 3(4): 357-368, 2003.
- Wright, E. and J.D. Erickson, "Incorporating Catastrophes into Integrated Assessment: Science, Impacts, and Adaptation," *Climatic Change* 57(3): 265-286, 2003.
- Kobos, P., Erickson, J.D. and T.E. Drennen, "Scenario Analysis of Chinese Passenger Vehicle Growth," *Contemporary Economic Policy* 21(2): 208-225, 2003.
- Hubacek, K., Erickson, J.D. and F. Duchin, "Input-Output Modeling of Protected Landscapes: the Adirondack Park," *Review of Regional Studies* 32(2): 207-222, 2002.
- Erickson, J.D., "The Future of Economics in the Century of the Environment," *International Journal of Applied Economics and Econometrics* 10(4), Oct.-Dec. 2002.
- Schläpfer, F. and J.D. Erickson, "A Biotic Control Perspective on Nitrate Contamination of Groundwater from Agricultural Production," *Agricultural and Resource Economics Review* 30(2): 113-126, 2001.
- Erickson, J.D. and J.M. Gowdy, "Resource Use, Institutions, and Sustainability: A Tale of Two Pacific Island Cultures," *Land Economics* 76(3): 345-354, 2000.
- Erickson, J.D., "Endangering the Economics of Extinction," *Wildlife Society Bulletin* 28(1): 34-41, 2000.
- Peterson, G., Cunningham, S., Deutsch, L., Erickson, J.D., Quinlan, A., Raez-Luna, E., Tinch, R., Troell, M., Woodbury, P. and S. Zens, "The Risks and Benefits of Genetically Modified Crops: a Multidisciplinary Perspective," *Ecology and Society* (formerly *Conservation Ecology*) 4(1): 13, 2000.
- Erickson, J.D., Chapman, D., Fahey, T.J. and M.J. Christ, "Nonrenewability in Forest Rotations: Implications for Economic and Ecological Sustainability," *Ecological Economics* 31(1): 91-106, 1999.
- Drennen, T.E. and J.D. Erickson, "Who Will Fuel China?," *Science* 279: 1483, 1998.
- Erickson, J.D., "Sustainable Development and the Adirondack Park Experience," *Adirondack Journal of Environmental Studies* 5(2): 24-32, 1998.
- Drennen, T.E., Erickson, J.D. and D. Chapman, "Solar Power and Climate Change Policy in Developing Countries," *Energy Policy* 24(1): 9-16, 1996.
- Erickson, J.D. and D. Chapman, "Photovoltaic Technology: Markets, Economics, and Development," *World Development* 23(7): 1129-1141, 1995.
- Chapman, D. and J.D. Erickson, "Residential Rural Solar Electricity in Developing Countries," *Contemporary Economic Policy* 13: 98-108, 1995.
- Erickson, J.D., Chapman, D. and R. Johnny, "Monitored Retrievable Storage of Spent Nuclear Fuel in Indian Country: Liability, Sovereignty, and Socioeconomics," *American Indian Law Review* 19(1): 73-103, 1994.
- Erickson, J.D., "From Ecology to Economics: The Case Against CO₂ Fertilization," *Ecological Economics* 8: 157-175, 1993.
- Erickson, J.D., "The Inefficiency and Unfairness of Tradable CO₂ Permits," *World Resource Review* 5(2): 228-245, 1993.
- Erickson, J.D. and D. Chapman, "Sovereignty for Sale: Nuclear Waste in Indian Country," *Native Americas Journal* (formerly *Akwe:kon Journal*) 10(3): 3-10, 1993.

C. Book Chapters (peer-reviewed)

- Whaley, R.S., Erickson, J.D. and W.F. Porter, "The Cornerstones of Conservation," pp. xxvii-xxxiii (book introduction) in W.F. Porter, J.D. Erickson, and R.S. Whaley (Eds.), *The Great Experiment in Conservation: Voices from the Adirondack Park*, Syracuse University Press, Syracuse, NY, 2009.
- Erickson, J.D., "The Park in Perspective," pp. 193-205 (part II introduction) in W.F. Porter, J.D. Erickson, and R.S. Whaley (Eds.), *The Great Experiment in Conservation: Voices from the Adirondack Park*, Syracuse University Press, Syracuse, NY, 2009.
- Erickson, J.D., Cox, G., Woods, A. and W.F. Porter, "Public Opinion and Public Representation: Strategies in Bio-Regional Development," pp. 393-403 (chapter 27) in W.F. Porter, J.D. Erickson, and R.S. Whaley (Eds.), *The Great Experiment in Conservation: Voices from the Adirondack Park*, Syracuse University Press, Syracuse, NY, 2009.
- Erickson, J.D., Porter, W.F. and R.S. Whaley, "The Adirondack Experiment in a Full World," pp. 517-535 (book conclusion) in W.F. Porter, J.D. Erickson, and R.S. Whaley (Eds.), *The Great Experiment in Conservation: Voices from the Adirondack Park*, Syracuse University Press, Syracuse, NY, 2009.
- Hermans, C., Howarth, R.B., Noordewier, T. and J.D. Erickson, "Constructing Preferences in Structured Group Deliberative Processes," pp. 50-79 in C. Zografos and R. Howarth (Eds.), *Deliberative Ecological Economics*, Oxford University Press, Oxford, UK, 2008.
- Fisher, B. and J.D. Erickson, "Growth and Equity: Dismantling the Kaldor-Kuznets-Solow Consensus," pp. 53-71 in J.D. Erickson and J. Gowdy (Eds.), *Frontiers in Ecological Economic Theory and Application*, Edward Elgar, Cheltenham, UK, 2007.
- Erickson, J.D., Messner, F. and I. Ring, "Ecological Economics at the Watershed Scale: Comparing and Contrasting the United States and German Experiences and Approaches," pp. 3-7 in Erickson et al. (Eds.), *Ecological Economics of Sustainable Watershed Management*, Elsevier, Amsterdam, The Netherlands, 2007.
- Hong, B., Limburg, K., Hall, M. and J.D. Erickson, "Scenario Analysis of Economy-Ecology Interactions in the Hudson River Basin," pp. 97-112 in Erickson et al. (Eds.), *Ecological Economics of Sustainable Watershed Management*, Elsevier, Amsterdam, The Netherlands, 2007.
- Nowosielski, A. and J.D. Erickson, "Regional Economic Modeling and Spatial Key Sector Analysis," pp. 167-182 in Erickson et al. (Eds.), *Ecological Economics of Sustainable Watershed Management*, Elsevier, Amsterdam, The Netherlands, 2007.
- Polimeni, J. and J.D. Erickson, "Residential Location Theory, Modeling, and Scenario Analysis of Urban Growth and Planning," pp. 183-210 in Erickson et al. (Eds.), *Ecological Economics of Sustainable Watershed Management*, Elsevier, Amsterdam, The Netherlands, 2007.
- Hermans, C. and J.D. Erickson, "Multicriteria Decision Analysis: Overview and Implications for Environmental Decision Making," pp. 213-228 in Erickson et al. (Eds.), *Ecological Economics of Sustainable Watershed Management*, Elsevier, Amsterdam, The Netherlands, 2007.
- Kane, M. and J.D. Erickson, "Urban Metabolism and Payment for Ecosystem Services: History and Policy Analysis of the New York City Water Supply," pp. 307-328 in Erickson et al. (Eds.), *Ecological Economics of Sustainable Watershed Management*, Elsevier, Amsterdam, The Netherlands, 2007.
- Limburg, K.E., Stainbrook, K.M., Erickson, J.D. and J.M. Gowdy, "Urbanization Consequences: Case Studies in the Hudson Valley," pp. 23-37 in L.R. Brown, R.H. Gray, R.M. Hughes and M. Meader (Eds.), *Effects of Urbanization on Stream Ecosystems*, American Fisheries Society Symposium 47, Books International, Herndon, VA, 2005.
- Erickson, J.D., Limburg, K., Gowdy, J., Stainbrook, K., Nowosielski, A., Hermans, C. and J. Polimeni, "An Ecological Economic Model for Integrated Scenario Analysis: Anticipating Change in the Hudson River Watershed," pp. 341-370 in R. Bruins and M. Heberling (Eds.), *Economics and Ecological Risk Assessment: Applications to Watershed Management*, CRC Press, Boca Raton, FL, 2004.

- Erickson, J.D., "Economics of Renewable Natural Resources," in J.D. Erickson (Ed.), "Economic Interactions with Other Disciplines: Natural Resource Economics," *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, Eolss Publishers, Oxford, UK, 2002 [www.eolss.net].
- Erickson, J.D., "Economics," pp. 299-300 in N. Eldredge (Ed.), *Life on Earth: An Encyclopedia of Biodiversity, Ecology, and Evolution*, ABC-CLIO, Santa Barbara, CA, 2002.
- Erickson, J.D., "In Search of Sustainable Development: Lessons in Application from the Adirondack Park," pp. 261-280 in J. Köhn, J. Gowdy, and J. van der Straaten (Eds.), *Sustainability in Action: Sectoral and Regional Case Studies*, Edward Elgar, Cheltenham, UK, 2001.
- Stagl, S., Hubacek, K., Erickson, J.D. and G. Cox, "A Multi-Criteria Analysis for Open Space Conservation in New York State," pp. 109-126 in M. Makowski and H. Nakayama (Eds.), *Natural Environmental Management and System Analysis*, International Institute for Applied Systems Analysis, Laxenburg, Austria, 2000.
- Erickson, J.D. and S. O'Hara, "From Top-Down to Participatory Planning: Conservation Lessons from the Adirondack Park, NY, USA," pp. 146-161 in L. Tacconi (Ed.), *Biodiversity and Ecological Economics: Participation, Values and Resource Management*, Earthscan Publications Ltd., London, 2000.
- Erickson, J.D., "Ecological Economics: an Emerging Alternative to Environmental Economics," pp. 351-372 in D. Chapman, *Environmental Economics: Theory, Application, and Policy*, Addison Wesley Longman HarperCollins, 1999.
- Wolfe, D.H. and J.D. Erickson, "Carbon Dioxide Effects on Plants: Uncertainties and Implications for Modeling Crop Response to Climate Change," pp. 153-178 in H. Kaiser and T. Drennen (Eds.), *Agricultural Dimensions of Global Climate Change*, St. Lucie Press, Delray Beach, FL, 1993.

D. Under Review

- Hermans, C., Noordewier, T., Howarth R. and J.D. Erickson, "Conjoint Analysis within an MCDA Framework: a Better Way to Measure Stakeholder Preferences?" under review.
- Masozera, M., Erickson, J.D., Clifford, D., Sadiki, H., Coppolillo, P., Mazet, J. and R. Kazwala, "Bioregulation of Disease at the Landscape Scale: Analysis of the Human-Livestock-Wildlife Interface in Semi-Arid Ecosystems of East Africa," under review.
- Masozera, M., Erickson, J.D., Clifford, D., Coppolillo, P., Mazet, J., Nguvava, M. and H. Sadiki, "Integrating the Management of Ruaha Landscape of Tanzania with Local Needs and Preferences," under review.

E. Grants

- Co-PI, "Sustainable Energy Economy," with X.S. Wang, H. Darby, M. Dunlop, B. Holmen, R. Jenkins, S. Lovell, G. Petrucci, D. Ross, M. Watzin and A. Wurthman, Experimental Program to Stimulate Competitive Research (EPSCoR), National Science Foundation, under review.
- PI, "Spatial Modeling and Decision Support for Integrated Multi-Use Ocean Management in Massachusetts," with J. Roman and R. Boumans, Moore Foundation (subcontract through Boston University), 2010 – 2011, \$106,315.
- Co-PI, "Long-Term Agroecological Changes in Shade Coffee Landscapes of Latin America: Lessons for Sustainable Livelihoods and Conservation," with V.E. Mendez (PI) and S.T. Lovell, Research Opportunities Grant Program, University of Vermont, 2008 – 2010, \$45,500.
- Collaborator, "Evaluation of the Environmental, Economic, and Social Effects of Organic Farming in Norway," Research Council of Norway, 2007 – 2010, 3,000,000 NOK (~\$500,000).
- Co-PI, "Health for Animals and Livelihood Improvement, Rungwa-Ruaha Ecosystem, Tanzania," with J. Mazet (PI, UC Davis), P. Coppolillo (Wildlife Conservation Society), and R. Kazwala (Sokoine Univ. of Ag., Tanzania), Global Livestock Collaborative Research Support Program, U.S. Agency for International Development, 2006 – 2009, \$728,523.

- Co-PI, "Northern New England Engaged Department Grant," with M. Shannon (PI), K. Wallin, M. Kolan, S. Libby and M. Watzin, Northern New England Campus Compact, Davis Educational Foundation, 2007 – 2010, \$4000.
- Co-PI, "Survey of Public Priorities as a Guide for Future Sustainable Investment Strategies," with W.F. Porter (PI, SUNY ESF), G. Cox (Audubon New York) and A. Woods (SUNY ESF), Northeast States Research Cooperative, 2007 – 2008, \$40,545.
- Co-PI, "Dynamic Transportation and Land Use Modeling," with A. Troy (PI, UVM), Federal Highway Administration, U.S. Department of Transportation, 2006 – 2008, \$250,500.
- PI, "Bottom-Up Strategies for Bio-Regional Policy: Designing Participatory Processes in Legislative Policy Formation," with G. Cox (Audubon New York) and W.F. Porter (SUNY ESF), Northeast States Research Cooperative, 2004 – 2006, \$82,046.
- PI, "Multi-Criteria Decision Aid for Northern Forest Lands: Participatory Tools for Balancing Ecological, Social, and Economic Considerations," with R. Howarth (Dartmouth), A. Sheldon (White River Partnership), and M. Wilson, Northeast States Research Cooperative, 2003 – 2006, \$100,000.
- PI, "Modeling and Measuring the Process and Consequences of Land Use Change: Case Studies in the Hudson River Watershed," with J. Gowdy (RPI) and K. Limburg (SUNY ESF), Hudson River Foundation, 2000 – 2004, \$296,750.
- Collaborator, "Economic and Ecological Impacts of Differentiated Wood Products," with M. Lorenzo (PI, National Wildlife Federation), Northeast States Research Cooperative, 2004, \$50,000.
- Co-PI, "Regional Sustainability: Bridging Resource Conservation and Economic Development," with J. Gowdy (PI, RPI) and UFZ Centre for Environmental Research (Leipzig, Germany), National Science Foundation, 2001 – 2002, \$21,000 and 36,000DM.
- PI, "A Market Diffusion Analysis for Renewable Energy Options using Learning Curves," Sandia National Laboratories, 2001 – 2002, \$66,035.
- Co-PI, "Land Use as a Driver of Ecological Change in the Wappingers and Fishkill Creeks, Hudson River Valley, New York," with D. Burns (PI, Dutchess County), K. Limburg (SUNY ESF) and Dutchess County Water Quality Strategy Committee, Hudson Valley Regional Council, 2002, \$4,500.
- PI, "Modeling the Lake George Watershed Economy: a pilot education and training project," Lake George Association, Summer 2001, \$6,825.
- Co-PI, "Hudson River Waterfront Development Project: Economic Impact Study," with J. Gowdy, Center for Economic Growth of the Rockefeller Institute and New York State Department of State, Spring 2001, \$36,000.
- Project Leader, MapInfo, Inc. / Rensselaer Strategic Partnership, Software, Data and Training Investment, 1998 – 2002, \$1,300,000 (in kind).
- Co-PI, "Information Technology and Economics for Sustainable Development," with J. Gowdy (RPI), Rensselaer Strategic Investment Grant, 1999 – 2000, \$32,500.
- PI, "China's Transportation System in Transition: A Simulation Model of Energy and Development," Sandia National Laboratories, 1999, \$13,875.
- PI, "China Energy and Greenhouse Gas Modeling," Sandia National Laboratories, 1998, \$4,500.
- PI, "Sustainable Development and the Adirondack Experience," Rensselaer School of Humanities and Social Sciences, Mini-Grant Program 1997 – 1998, \$5,000.
- Conference Planning Grant, "Fourth Annual Conference on the Adirondacks," Cornell Center for the Environment, May 1997, \$1,000.
- Conference Planning Grant, "Third Annual Conference on the Adirondacks," Cornell Center for the Environment, 1995 – 1996, \$2,500.
- PI, "Solar Technology, Feasibility, and Sustainability in the Dominican Republic," Cornell Institute for International Food and Agricultural Development, 1993, \$1,500.

F. Miscellaneous Publications

- Erickson, J.D. and M. Masozera, "Modeling Economic Impacts of Water Scarcity and Disease in Pastoralist Households of the Ruaha Landscape, Tanzania," Global Livestock Collaborative Research Program, Research Brief, in press.
- Masozera, M., Erickson, J.D., Clifford, D.L., Coppolillo, P., Kazwala, K., Sadiki, H. and J.A.K. Mazet, "Public Health and Rural Livelihoods under Water Scarcity in the Ruaha Landscape, Tanzania," Global Livestock Collaborative Research Program, Research Brief 10-04-HALI, January 2010.
- Masozera, M., Erickson, J.D., Clifford, D.L., Coppolillo, P., Nguvava, M., Sadiki, H. and J.A.K. Mazet, "Integrating the Management of the Ruaha Landscape of Tanzania with Local Needs and Preferences," Global Livestock Collaborative Research Program, Research Brief 10-02-HALI, January 2010.
- Mazet, J.A.K., Clifford, D.L., Coppolillo, P.B., Erickson, J.D. and R.R. Kazwala, "New Medicine for Emerging Zoonoses: Reducing Disease Risk at Human-Animal-Environment Interfaces in Tanzania Using a One-Health Approach," Global Livestock Collaborative Research Program, Research Brief 10-01-HALI, January 2010.
- Nguvava, M., Clifford, D., Masozera, M., Coppolillo, P., Sadiki, H., Mazet, J. and J. Erickson, "Capturing Women's Voices: Socioeconomics and Gender-Roles in Pastoralist Households in the Ruaha Landscape, Tanzania," Global Livestock Collaborative Research Program, Research Brief 09-03-HALI, May 2009.
- Coppolillo, P., Clifford, D., Dickman, A., Masozera, M., Nguvava, M., Kazwala, R., Erickson, J. and J. Mazet, "Landscape Factors Associated with Livestock Disease Deaths in Idodi and Pawaga Divisions, Tanzania," Global Livestock Collaborative Research Program, Research Brief 09-01-HALI, May 2009.
- Masozera, M., Erickson, J., Clifford, D., Coppolillo, P. and M. Nguvava, "Innovative Approaches to Evaluate Household Health and Livelihoods in Pastoral and Agropastoral Communities," Global Livestock Collaborative Research Program, Research Brief 08-03-HALI, November 2008.
- Erickson, J.D., "Public Knowledge, Open Access," Editorial, *Adirondack Journal of Environmental Studies* 15(1): 4, 2008.
- Erickson, J.D., "Big Shoes, Next Steps," Editorial, *Adirondack Journal of Environmental Studies* 14(2): 4, 2008.
- Erickson, J.D. and D. Batker, "Genuine Development in Ecuador," Earth Economics Discussion Paper, Earth Economics, Tacoma, WA, 2007 (also available in Spanish as "Desarrollo Auténtico en Ecuador").
- Erickson, J.D., "Property Rights," Policy Brief, U.S. Society for Ecological Economics, 2007.
- Cox, G.L., Erickson, J.D., Porter, W.F. and A.M. Woods, "How would you invest in a sustainable future for your community? North Country respondents make their choices clear in research conducted by SUNY ESF and UVM," *Adirondack Journal of Environmental Studies* 14(1), 2007.
- Gates, J.E., Dawe, N.K., Erickson, J.D., Farley, J., Geist, V., Hands, H., Magee, P. and D.L. Trauger, "Perspectives on the Wildlife Society's Economic Growth Policy Statement and the Development Process," *Wildlife Society Bulletin* 34(2): 507-511, 2006.
- Erickson, J.D. and K. Limburg, "Balanced Growth Vital: Uncoordinated Development Harms Watersheds," *Poughkeepsie Journal*, March 7, 2004.
- Czech, B., Allen, E., Batker, D., Beier, P., Daly, H., Erickson, J., Garrettson, P., Geist, V., Gowdy, J., Greenwalt, L., Hands, H., Krausman, P., Magee, P., Miller, C., Novak, K., Pullis, G., Robinson, C., Santa-Barbara, J., Teer, J., Trauger, D. and C. Willer, "The Irontriangle: why The Wildlife Society needs to take a position on economic growth," *Wildlife Society Bulletin* 31(2): 574-577, 2003.
- Malczynski, L.A., Paananen, O., Harris, D.L., Baker, A. and J.D. Erickson, "Dynamic Simulation Model of National Security Consequences from Energy Supply Disruptions," Sand Report, SAND2002-3738, Sandia National Laboratories, Albuquerque, NM, Nov. 2002.

- Trauger, D.L., Czech, B.M., Erickson, J.D., Garrettson, P.R., Kernohan, B.J. and C.A. Miller. "The Relationship of Economic Growth to Wildlife Conservation," *Wildlife Society Technical Review* 2002-2, 2002, 80 pp.
- Gowdy, J.M. and J.D. Erickson, "The Strange Economics of Sustainability," Letter to the Editor, *Bioscience*, 52(3): 212, 2002.
- Erickson, J.D. and J.M. Gowdy, "Global Warming Economics," *USSEE Newsletter* 3(1): 3-4, 2002.
- Erickson, J.D., Book Review: *Environment, Technology and Economic Growth: the Challenge to Sustainable Development* by A. Tylecote and J. van der Straaten (Eds.), *Environmental Values* 10(1): 137-138, 2001.
- Erickson, J.D., "President's Message," *Adirondack Journal of Environmental Studies*, 7(2), 2000.
- Erickson, J.D., "Looking at Development and Net Social Revenues," *The Saratogian*, p. 4A, Jan. 5, 1999.
- Erickson, J.D., "Local Officials Should Pursue Growth through Plugging Leaks," *The Saratogian*, p. 2B, April 20, 1999.
- Contributing research and writing to Conrad et al., *Modeling the Infrastructure Dynamics of China – Water, Agriculture, Energy, and Greenhouse Gases*, Sand Report SAND98-1715, Sandia National Laboratories, Albuquerque, NM, August 1998.
- Erickson, J.D. and D. Chapman, "Nuclear Waste in the Wild West," Letter to the Editor, *World-Watch*, 7(2), 1994.
- Erickson, J.D., "Radioactive Colonialism," *Community Ink*, May 1993.
- Erickson, J.D., "City of Hope: Curitiba's Innovative Solutions to Urban Problems," *Earthline*, No. 1, 1993.
- Erickson, J.D., "Gas Pains: Kicking Our Oil Addiction," *Ithaca Times*, Aug. 29, 1991.

G. Conference Papers, Abstracts, and Posters

- "Measuring Genuine Economic Progress in Iceland," with B. Davidsdottir, *11th Biennial Conference of the International Society for Ecological Economics*, Oldenburg and Bremen, Germany, Aug. 22-25, 2010 (forthcoming).
- "Integrated Strategies to Support Rural Livelihoods and Ecosystem Services Conservation: a case study of the Pico Duarte Coffee Region of the Dominican Republic," with L. Gross (presenter), V.E. Mendez, A. Karney and C. Franco, *11th Biennial Conference of the International Society for Ecological Economics*, Oldenburg and Bremen, Germany, Aug. 22-25, 2010 (forthcoming).
- "Alternative Networks to Support Livelihoods and Ecosystem Services Conservation in the Pico Duarte Coffee Region of the Dominican Republic," Poster, with L. Gross (presenter), V.E. Mendez and A. Karney, Water-Ecosystem Services, Drought, and Environmental Justice, Millennium Conference of the Ecological Society of America, Athens, GA, Nov. 9-12, 2009.
- "Using the One Health Approach to Solve Complex Problems at the Livestock-Wildlife Interface," with J. Mazet (presenter), D. Clifford, P. Coppolillo, T. Stephenson, V. Bleich, W. Boyce and R. Kazwala, *41st Annual Conference of the American Association of Zoo Veterinarians*, Tulsa, OK, Oct. 24-30, 2009.
- "Environmental and Social Factors Associated with Zoonotic Disease at the Wildlife-Livestock Interface in Tanzania," with D. Clifford (presenter), R. Kazwala, P. Coppolillo, J. John, H. Sadiki, M. Masozera and J. Mazet, *41st Annual Conference of the American Association of Zoo Veterinarians*, Tulsa, OK, Oct. 24-30, 2009.
- "The One Health Approach: Identifying Solutions to Complex Problems at the Human-Livestock-Wildlife Interface," with R. Kazwala, End of Program Conference, Global Livestock Collaborative Research Support Program, U.S. Agency for International Development, Lake Naivasha, Kenya, Jun. 16-19, 2009.
- "Bioregulation of Disease at the Landscape Scale: Analysis of the Human-Livestock-Wildlife Interface in Semi-Arid Ecosystems of East Africa," with M. Masozera (presenter), D. Clifford, H. Sadiki, P.

- Coppolillo, J. Mazet and R. Kazwala, *5th Biennial Meeting of the U.S. Society for Ecological Economics*, Washington, DC, May 31-June 3, 2009.
- “Survey of Public Priorities as a Guide for Future Sustainable Investment Strategies in the Northern Forest,” with G. Cox (presenter), A. Woods, T. Holmes and W. Porter, *5th Biennial Meeting of the U.S. Society for Ecological Economics*, Washington, DC, May 31-June 3, 2009.
- “Environmental and Social Determinants of Zoonotic Disease Transmission at the Wildlife-Livestock Interface in Tanzania,” with D. Clifford (presenter), R. Kazwala, P. Coppolillo, J. John, H. Sadiki, M. Masozera and J. Mazet, *EcoHealth Forum 2008*, Mérida, Mexico, Dec. 1-5, 2008.
- “Using the Ecosystem Approach to Solve Complex Health Problems at the Livestock-Wildlife Interface,” with J. Mazet (presenter), D. Clifford, P. Coppolillo, T. Stephensen, V. Bleich, W. Boyce and R. Kazwala, *EcoHealth Forum 2008*, Mérida, Mexico, Dec. 1-5, 2008.
- “Why Health Matters: Conservation at the Wildlife-Livestock-Human Interface in the Ruaha Ecosystem, Tanzania,” with H. Sadiki (presenter), D. Clifford, R. Kazwala, P. Coppolillo, J. John and J. Mazet, *Pathways to Success 2008: Integrating Human Dimensions into Fisheries and Wildlife Management*, Estes Park, CO, Sep. 28-Oct. 2, 2008.
- “Evaluating a Sports-based, Adolescent-Targeted HIV Prevention Program in Haitian Migrant Communities in the Dominican Republic,” with Z. Kaufman (presenter), R. Welsch and S. Craig, *17th International AIDS Conference*, Poster Session, Mexico City, Mexico, Aug. 3-8, 2008.
- “Assessing the Health and Economic Impacts of Zoonotic Disease and Water Scarcity at the Wildlife-Livestock-Human Interface in Tanzania,” with D. Clifford (presenter), R. Kazwala, P. Coppolillo and J. Mazet, *2nd International Conference on Health and Biodiversity*, Galway, Ireland, Feb. 25-28, 2008.
- “Health for Animals and Livelihood Improvement (HALI) in the Ruaha Ecosystem, Tanzania,” with D.L. Clifford (presenter), R. Kazwala, P. Coppolillo, D. Kambarage, T. Mlengeya and J. Mazet, *21st Annual Meeting of the Society for Conservation Biology*, Special Session: Examining the Links between Health and Biodiversity, Port Elizabeth, South Africa, July 1-5, 2007.
- “Bottom-Up Strategies for Bio-Regional Policy: Designing Participatory Processes in Legislative Policy Formation,” with G. Cox (presenter), *4th Biennial Meeting of the U.S. Society for Ecological Economics*, Pace University, New York, NY, June 23-27, 2007.
- “Interdisciplinary Modeling Framework Assessing How Human Socio-Economic Activities on the Landscape Affect Stream Ecosystem Condition,” with B. Hong (presenter), K. Limburg and J. Gowdy, *4th Biennial Meeting of the U.S. Society for Ecological Economics*, Pace University, New York, NY, June 23-27, 2007.
- “Rural Communities, Landscapes and Economies in Post-Industrialized Societies – Balancing the Urban,” with K. Refsgaard (presenter) and J. Bryden, *7th International Conference of the European Society for Ecological Economics*, Leipzig, Germany, June 5-8, 2007.
- “North Country Survey Tells How Respondents Would Invest for a Sustainable Future,” with G. Cox (presenter), W. Porter and A. Woods, *14th Annual Conference on the Adirondacks*, Natural History Museum of the Adirondacks, Tupper Lake, NY, May 22-24, 2007.
- “Grassroot Soccer: Using Sport for Health Education and Social Change,” *3rd Biennial Meeting of the U.S. Society for Ecological Economics*, Tacoma, WA, July 20-23, 2005.
- “An Ecological Economics Capital Stock Approach to Quality of Life Assessment in Burlington, Vermont, USA,” with J. Kelly and Fall 2003 Ecological Economics class, *Sustainable Communities 2004*, Burlington, VT, July 14-18, 2004.
- “Problem-Based Learning in Ecological Economics,” with J. Farley, *8th Biennial Conference of the International Society for Ecological Economics*, Montreal, Canada, July 11-14, 2004.
- “Private Owners, Public Values: Citizen Participation in Designing Sustainable Forest Management,” with C. Hermans, J. Bouton, R. Howarth, A. Sheldon and M. Wilson, *8th Biennial Conference of the International Society for Ecological Economics*, Montreal, Canada, July 11-14, 2004.

- “Breaking the Back of Cumulative Causation: Policies in Light of the Failures of Growth Theory,” with B. Fisher (presenter), *8th Biennial Conference of the International Society for Ecological Economics*, Montreal, Canada, July 11-14, 2004.
- “Multicriteria Decision-Making in Watershed-Level Environmental Management,” with C. Hermans (presenter), *8th Biennial Conference of the International Society for Ecological Economics*, Montreal, Canada, July 11-14, 2004.
- “An Application of Multi-Criteria Decision Analysis to a Complex Political Decision-Making Process in the Northern Forest, USA,” with G. Cox (presenter), *8th Biennial Conference of the International Society for Ecological Economics*, Montreal, Canada, July 11-14, 2004.
- “Economic Theory in Crisis: Implications for the Wildlife Profession,” Symposium on Sustainability Science and the Wildlife Profession, *The Wildlife Society 10th Annual Conference*, Burlington, VT, Sep. 2003.
- “Urbanization Causes and Consequences: Case Studies in the Hudson River Watershed,” with K. Limburg (presenter), K. Stainbrook, and J. Gowdy, *Annual Meeting of the American Fisheries Society*, Quebec City, Canada, Aug. 2003.
- “Evaluating Sustainable Forest Management Alternatives: an Application of Multi-Criteria Decision Analysis (MCDA),” with G. Cox (presenter), *2nd Biennial Conference of the U.S. Society for Ecological Economics*, Saratoga Springs, NY, May 22-24, 2003.
- “An Application of Outranking MCDM in Land-Use Planning,” with C. Hermans (presenter), *2nd Biennial Conference of the U.S. Society for Ecological Economics*, Saratoga Springs, NY, May 22-24, 2003.
- “Examining Urban-Rural Interdependence: A New Perspective on Questions of Urban Water Supply,” with M. Kane (presenter), *2nd Biennial Conference of the U.S. Society for Ecological Economics*, Saratoga Springs, NY, May 22-24, 2003.
- “Modeling and Measuring Economic Drivers and Ecosystem Health: Case Studies in the Hudson River Watershed,” with K. Limburg (presenter), *Healthy Ecosystems, Healthy People: Inaugural Meeting of the International Society for Ecosystem Health*, Washington, DC, June 7-10, 2002.
- “Participatory Scenario Analysis in the Hudson River Watershed, New York, USA,” with J. Gowdy (presenter), K. Limburg, A. Nowosielski, J. Polimeni and K. Stainbrook, *7th Biennial Conference of the International Society for Ecological Economics*, Sousse, Tunisia, Mar. 6-9, 2002.
- “Simulating Residential Development from Economic Trends in the Hudson River Valley, New York State, USA,” with J. Polimeni (presenter), *7th Biennial Conference of the International Society for Ecological Economics*, Sousse, Tunisia, Mar. 6-9, 2002.
- “Modeling and Measuring Economic Drivers and Ecosystem Health: Case Studies in the Hudson River Watershed,” with K. Limburg (presenter), J. Gowdy, A. Nowosielski, J. Polimeni and K. Stainbrook, *16th Biennial Conference of the Estuarine Research Federation*, St. Pete Beach, FL, Nov. 4-8, 2002.
- “Input-Output Modeling of Protected Landscapes: the Adirondack Park,” *8th Annual Conference on the Adirondacks*, Saranac Lake, NY, May 23-24, 2001.
- “Passenger Transport Development in China: Evaluating the Technology and Policy Options,” with P. Kobos (presenter) and T. Drennen, *21st Annual North American Conference of the International Association for Energy Economics*, Philadelphia, PA, Sep. 24-27, 2000.
- “A Multi-Criteria Analysis for Open Space Conservation in New York State,” with S. Stagl (presenter), G. Cox and K. Hubacek, *Natural Environmental Management and Applied System Analysis*, International Institute for Applied Systems Analysis, Laxenburg, Austria, Sep. 6-8, 2000.
- “Chinese Passenger Vehicle Use: A Dynamic Simulation Model,” with P. Kobos and T. Drennen, *Western Economics Association International 75th Annual Conference*, Vancouver, British Columbia, June 29-July 3, 2000.
- “Catastrophe, Uncertainty, and Climate Change Economics,” with E. Wright (presenter), *Western Economics Association International 75th Annual Conference*, Vancouver, British Columbia, June 29-July 3, 2000.

- “Information Technology and Economics for Sustainable Development,” *Strategic Investment Poster Session*, Rensselaer Polytechnic Institute, Troy, NY, Nov. 29-Dec. 3, 1999.
- “The Steady State Economy and Wildlife Conservation,” Symposium on Thinking Globally and Acting Locally for Wildlife Conservation, *The Wildlife Society 6th Annual Conference*, Austin, TX, Sep. 10, 1999.
- “Sustainable Land Use Design: An Input-Output Analysis of the Adirondacks of New York State, USA,” with K. Hubacek and F. Duchin, *5th Biennial Meeting of the International Society for Ecological Economics*, Santiago, Chile, Nov. 15-19, 1998.
- “International Trade and Carbon Embodiment: Loopholes in the Kyoto Protocol,” with M. Zhang (presenter) and T. Drennen, *19th Annual North American Conference of the International Association for Energy Economics*, Albuquerque, NM, Oct. 18-21, 1998.
- “Input-Output Modeling of Multiple Land Uses in the Adirondack Park,” with K. Hubacek (presenter) and F. Duchin, *1998 National IMPLAN Conference*, Wash., DC, Oct. 15-16, 1998.
- “Accounting for Wildlife and Habitat as Natural Capital,” Symposium on the Importance of Ecological Economics to Wildlife Conservation, *The Wildlife Society 5th Annual Conference*, Buffalo, N.Y., Sep. 1998.
- “Tax Incentives and the Forest Landscape,” *5th Annual Conference on the Adirondacks*, Saranac Lake, NY, May 20-22, 1998.
- “Simulating Land-Use Change in the Lake George Watershed: An Impact Assessment and GIS Development,” *5th Annual Conference on the Adirondacks*, Saranac Lake, NY, May 20-22, 1998.
- “An Application of a Multi-Criteria Decision Model to Open Space Conservation Choices,” with M. Kane (presenter) and G. Cox, *5th Annual Conference on the Adirondacks*, Saranac Lake, NY, May 20-22, 1998.
- “Sustaining Economic Growth and Ecological Integrity in the Adirondack Park: Mission Implausible?,” *4th Annual Conference on the Adirondacks*, State University of New York College of Environmental Science and Forestry, Syracuse, NY, May 19-20, 1997.
- “Market-Based Policies and Environmental Values: An Application of Forest Succession Modeling to Economic and Ecosystem Management in the Northern Hardwood Forest,” *4th Biennial Meeting of the International Society for Ecological Economics*, Boston University, Aug. 4-7, 1996.
- “The Adirondack Research Consortium World Wide Web Page,” Poster Session, *3rd Annual Conference on the Adirondacks*, Great Camp Sagamore, Raquette Lake, NY, May 13-14, 1996.
- “Solar Power: Technology, Economic Feasibility, and Development,” with D. Chapman, *68th Annual Conference of the Western Economics Association International*, Lake Tahoe, NV, June 20-24, 1993.
- “Solar Power and Climate Change Policy in Developing Countries,” with T. Drennen (presenter) and D. Chapman, *68th Annual Conference of the Western Economics Association International*, Lake Tahoe, NV, June 20-24, 1993.

H. Research Positions and Consulting

Consultant, Earth Economics, Seattle, WA, Aug. 2006 – current

Consultant, “U.S. Energy Security Project,” Sandia National Laboratories, Nov. 2001 – Oct. 2002

Consultant, “China Energy & Greenhouse Gas Emission Project,” Sandia National Labs, 1997 – 1998

Research Assistantship (non-dissertation/thesis)

Stochastic Control Applications to Climate Policy, Spring 1995

Renewable Energy Economics, Technology, and Policy, Fall 1993

Research Support Specialist, U.S. Agency for International Development, Environmental Policy and Training Project (Cornell), Nov. 1992 – Aug. 1993

Administrative Assistant, Energy, Industry, and the Urban Environment Group of U.S. Agency for International Development Project (Cornell), Part-time, Summer/Fall 1992

Research Assistant/Computer Programmer, Rockefeller Foundation Project (Cornell), "Economic Development and Climate Change," Summer 1991

VI. ADVISING

A. Post-Doctoral Associates

Carol Franco, "Genuine Development in the Dominican Republic: Macroeconomic Indicators and Policy Reform in a post-Washington Consensus Era," UVM, 2008 – 2009.

Graham Cox, "Bottom-Up Strategies for Bio-Regional Policy: Designing Participatory Processes in Legislative Policy Formation," UVM, 2004 – 2006.

B. Graduate Students

Doctoral Supervision

Nathan Hagens, "Neuroeconomics, Sustainability, and Energy Return on Investment," Natural Resources, UVM, in progress (co-supervised with R. Costanza).

Charles Kerchner, "Performance-Based Incentives for Provision of Ecosystem Services," Natural Resources, UVM, in progress.

Juan Alvez, "Livestock Management and Ecosystem Services in Agroecosystems of Vermont, US and Santa Catarina, Brazil," Ph.D., Natural Resources, UVM, in progress.

Michel Masozera, "Ecological Services and Protected Area Management in Africa: Case Studies in Tanzania, Rwanda, and Madagascar," Natural Resources, UVM, 2009 (co-supervised with R. Costanza).

Caroline Hermans, "Methods in Collaborative Decision-Making: Managing Group Deliberative Processes in Watershed Communities," Natural Resources, UVM, Feb. 2006.

Mindy Kane, "Shared Futures of City and Country: a Total Flows Analysis of Urban-Rural Ecological Economic Dependence in New York City's Catskill Delaware Watershed," Ecological Economics, RPI, Aug. 2003.

Graham Cox, "Applying Multicriteria Decision Analysis in Participatory Planning for Sustainable Management of the New York State Forest," Ecological Economics, RPI, May 2003.

Peter Kobos, "The Implications of Renewable Energy Research and Development: Policy Scenario Analysis with Experience and Learning Effects," Ecological Economics, RPI, Dec. 2002.

John Polimeni, "A Dynamic Spatial Simulation of Residential Development in the Hudson River Valley, New York State," Ecological Economics, RPI, Aug. 2002.

Audra Nowosielski, "Geo-Referenced Social Accounting with Application to Integrated Watershed Planning in the Hudson River Valley," Ecological Economics, RPI, Aug. 2002.

Evelyn Wright, "Catastrophe, Uncertainty, and the Costs of Climate Change Damage," Ecological Economics, RPI, Dec. 2000.

Masters Supervision

Lee Gross, "Sustainable Livelihoods through Shade Coffee Cooperatives in the Dominican Republic," Natural Resources, UVM, in progress (co-supervised with V.E. Mendez).

Marcela Pino, "Coffee Landscapes and Livelihoods in Nicaragua," Natural Resources, UVM, in progress (co-supervised with V.E. Mendez).

Keri Davis, "Evaluating Economic Renewal and Environmental Performance Opportunities for Vermont's Wood Products Industry," Natural Resources, UVM, May 2006.

- Maura Flight, "Applying the Analytic Hierarchy Process to Off-Road-Vehicle Management in Endangered Species Habitat: a Case Study of Duxbury Beach, Massachusetts," Economics, RPI, Dec. 2000.
- Peter Kobos, "China's Transportation System in Transition: A Simulation Model of Energy and Development," Economics, RPI, May 2000.
- Min Zhang, "International Trade and Climate Change Policy: Identifying and Closing the Carbon Loophole," Economics, RPI, May 1999.
- Graham Cox, "Protecting the Forest Lands as a Renewable Economic Base for the Adirondack Park," Economics, RPI, Aug. 1998.

Graduate Committee Member

- Marisa Riggi, "Regional Planning and Sustainability Indicators in the Adirondack Landscape," M.S., Natural Resources, UVM, in progress.
- Katlyn Stillings Morris, "Food Insecurity and Livelihoods in Organic Coffee Farming Communities of Western El Salvador," Ph.D., Plant & Soil Sciences, UVM, in progress.
- Matthew Sayre, "Education, Entrepreneurship, and Investing for an Ecological Economy," Ph.D., Natural Resources, UVM, in progress.
- Dan Erickson, "Food System Driven Alternative Landscape Futures," Ph.D., Plant & Soil Sciences, UVM, in progress.
- Rachael Beddoe, "Carbon Markets and Urban and Community Forestry: Market Approaches to Funding," M.S., Natural Resources, UVM, in progress.
- Jonathan Dowds, "Assessing the Impact of Carbon Pricing on Power Generation Investment and Electric Vehicle Emissions," M.S., Natural Resources, UVM, in progress.
- Jeff Frank, "The Elasticity of Happiness: Assessing Subjective Well-Being using Continuum Self-Assessment Surveys," M.S., Community Development and Applied Economics, UVM, in progress.
- Nathaly Augusto Filion, "Climate Vulnerability Analysis for Communities Surrounding Lake Enriquillo, Dominican Republic," M.S., Ecological Planning, UVM, in progress.
- Lydia Menendez, "College Sustainability Corps," M.S., Ecological Planning, UVM, in progress.
- Ida Kubiszewski, "Searching for the Sweet Spot: Managing Information as a Good that Improves with Use," Ph.D., Natural Resources, May 2010.
- Rob Rich, "Connecting Nature and Culture in the Adirondack Landscape: the Split Rock Story," M.S., Environmental Thought and Culture, UVM, May 2010.
- Stephen Possner, "Estimating the Genuine Progress Indicator for Baltimore, Maryland," M.S., Natural Resources, UVM, May 2010.
- Daniel Lopez Dias, "Accounting for and Communicating the Environmental Externalities of Companies: an Input-Output Approach," Ph.D., Natural Resources, UVM, Oct. 2009.
- Chris Wardell, "Effectiveness of a Grassroot Soccer Based HIV/AIDS Prevention Education Program in St. Lucia," M.S., Community Development and Applied Economics, UVM, May 2009.
- Kenneth Bagstad, "Ecological Economic Applications for Urban and Regional Sustainability," Ph.D., Natural Resources, UVM, May 2009.
- Kathleen Murphy, "The Resource Curse in Peru: How Efforts at Transparency Can Lead to Sustainable Development," M.S., Natural Resources, UVM, May 2009.
- Alexandra Reiss, "Participatory Land Use Scenario Modeling for Community Engagement in Chittenden County, Vermont," M.S., Natural Resources, UVM, Oct. 2008.
- Robin Kemkes, "Policy Tool Choice for Ecosystem Service Provision: Payments and Public Information," M.S., Community Development and Applied Economics, UVM, Oct. 2008.
- Ryan Salmon, "A Greenhouse Gas Accounting and Management Framework for Climate Action Programs," M.S., Field Naturalist, UVM, Oct. 2008.
- Carol Franco, "Development Institutions, Policies, Food, and Well-being in the Dominican Republic," Ph.D., State University of New York College of Environmental Science and Forestry, May 2008.

- Dan Baker, "Engaging Higher Education in International Ecological Development," Ph.D., Natural Resources, UVM, May 2007.
- Barton Kirk, "Ecological Economics of Suburban Stormwater Management: A Life Cycle Approach," M.S., Ecological Planning, UVM, Jan. 2007.
- Katrin Moffroid, "Developing and Applying Ecological Indicators of Suburban Sprawl: a Case Study for Chittenden County, Vermont," M.S., Natural Resources, UVM, Aug. 2006.
- Katrina van Dis, "The Role of Environmental and Demographic Factors in Dairy Farm Expansion in a Suburban Setting: the Case of Charlotte, Vermont," M.S., Community Development and Applied Economics, UVM, Aug. 2006.
- Brendan Fisher, "Development and Distribution: Analyses of Global Poverty, Policy and Sustainability," Ph.D., Natural Resources, UVM, May 2006.
- Kenneth Mulder, "Stoichiometry and the Efficiency of Resource Utilization in Ecological and Economic Systems," Ph.D., Natural Resources, UVM, May 2006.
- Sara Lovitz, "Scales of Responsible Gold Mining: Overcoming Barriers to Cleaner Artisanal Mining in Southern Ecuador," M.S., Natural Resources, UVM, May 2006.
- John D'Agostino, "The Functional Validation of Floodplain Valuation in Coastal New Jersey," M.S., Natural Resources, UVM, May 2006.
- Karen Fligger, "Priorities for the 'Working Forest'," M.S., Natural Resources, UVM, Dec. 2004.
- Ada Ferrer-i-Carbonell, "Consumption, Behavior and Environmental Policy: Theoretical and Empirical Dimensions," Ph.D., Ecological Economics, RPI, Aug. 2003.
- Surendra Devkota, "Strong Sustainability in Nepal: a Structural Economics Approach," Ph.D., Ecological Economics, RPI, May 2003.
- Mariko Hara, "Measuring Positive Externalities in Japanese Rice Production: a Hedonic Price Analysis," Ph.D., Ecological Economics, RPI, Dec., 2002.
- Kevin Jones, "Making Clean Air Markets Work: Lessons from the Regulation of Acid Rain in the United States and the European Union," Ph.D., Management, RPI, Dec. 2002.
- Robert Jones, "A Test for Marshallian Externalities Among New York State Industrial Complexes," Ph.D., Ecological Economics, RPI, Aug. 2002.
- Josh Frank, "Companion Animals as Economic Goods: Minimizing the Cost of Unwanted Animals," Ph.D., Ecological Economics, RPI, May 2001.
- Klaus Hubacek, "The Role of Land in Economic Development: a Structural Approach to Sustainability," Ph.D., Ecological Economics, RPI, Dec. 2000.
- Sandy de Bies, "Measuring Willingness to Pay for Wetlands Preservation in Saratoga Springs," M.S., Wageningen Agricultural University, The Netherlands, Feb. 2000.
- Jose Vazquez, "An Alternative Framework to Study Regional Tourism: a Structural Analysis of the Lake George Watershed in New York," Ph.D., Ecological Economics, RPI, Jan. 2000.
- Melinda Kane, "Pursuing Sustainability: Institutional Economics and Lessons from Local Efforts," M.S., Economics, RPI, Aug. 1999.
- Sigrid Stagl, "Global Food Markets and Their Local Alternatives – A Socio-Ecological Economic Perspective," Ph.D., Ecological Economics, RPI, May 1999.
- Richard Schuler, "Analyzing Behavior & Market Power in the Increasingly Deregulated & Competitive Telecommunications Industry," Ph.D., Managerial Economics, RPI, Dec. 1998.
- Ada Ferrer-i-Carbonell, "Economic Behavior and Environmental Policy: the Contributions of Ecological Economics," M.S., Economics, RPI, Aug. 1998.

C. Undergraduate Students

Thesis Advising

- Sarah Gruver, "Efficient Earth-Sheltered Greenhouse Design for the George D. Aiken Forestry Sciences Laboratory," Honors Thesis, B.S., Environmental Studies, UVM, May 2010.

- Michael Haring, "A Critical Analysis of the LEED Green Building Rating Scale," B.S., Environmental Studies, UVM, May 2010.
- Natasha Loeffler, "Sustainable Business Ethics and the Opportunity for Sustainable Development in Small to Medium Sized Enterprises: A Business Strategy for Theodora's Tea, Inc.," B.S., Environmental Studies, UVM, May 2010.
- Alex Robbins, "Environmental Policymaking – Turning Theory into Action: Internship with Restore America's Estuaries," B.S., Environmental Studies, UVM, May 2010.
- Casey Butler, "Inside the Blue Line: An Analytical Case Study of Wind Potential in the Adirondacks and Greater New York State Area," B.S., Environmental Studies, UVM, May 2010.
- Alena Warren, "Expanding Climate Change Programs: the Role of Landfill Emissions in the Regional Greenhouse Gas Initiative," Honors Thesis, B.S., Natural Resource Planning, May 2009.
- Hunter Houde, "Poverty Alleviation in the United States through Microfinance: Incorporating Social and Environmental Values Amidst a Changing Economy," B.S., Environmental Studies, UVM, May 2009.
- Conor Rice, "Uprooting Urban Decay: Ecological Design Applied to Urban Agriculture," B.S., Environmental Studies, UVM, May 2009.
- Brett Sykes, "Sustainable Community Planning: Implementing the Natural Step Framework," B.S., Environmental Studies, UVM, May 2009.
- Lena Forman, "HIV/AIDS Prevention Education in the Dominican Republic," Honors Thesis, B.S., Community Development and Applied Economics, UVM, May 2008.
- Aaron Smith, "The Determinants of Demand for Wind Energy," Honors Thesis, B.A. Economics, UVM, May 2008.
- Kyle Burkett, "El Mundo Verde Inn: an Operational Plan and Philosophy for an Ecolodge in Ecuador," B.S., Environmental Studies, UVM, May 2008.
- Ali Beddoe, "Environmental Refugees and Art Activism: Visualizing the Plight of Women in Haitian Migrant Communities," B.S., Environmental Studies, UVM, May 2008.
- Diana Butler, "New Venture Business Planning for Somali Bantu Refugees: Promoting Economic Self-Sufficiency and Community Integration Amongst Refugees in Burlington, Vermont," B.S., Environmental Studies, UVM, May 2008.
- Alex Feher, "VRAD: Vermont Recreation and Athletic Development Program," B.S., Environmental Studies, UVM, 2006.
- Byron Murray, "Energy Efficiency through Efficient Lighting Technologies: a Case Specific Look at Saint Lucia Energy Efficiency," B.S., Environmental Studies, UVM, 2006.
- Alexandra Carlson, "Sustainable Ski Resort Development and Management: A Handbook," B.S., Environmental Studies, UVM, 2006.
- Lauren Sparacino, "Feeding the Masses: an Ecological Economic Case for Localizing Food Production," B.S., Environmental Studies, UVM, 2006.
- Ben Vinal, "Aquaponics: A Study of the Environmental Impacts and the Economic Potential of Raising Lettuce and Tilapia in a Recirculating Aquaponic System," B.S., Environmental Studies, 2005.
- Meredith Hall, "Green Building in Vermont: the Opportunity for High Performance Schools throughout Vermont," B.S., Environmental Studies, UVM, 2005.
- Lowell Bailey, "Songs of Logging: a Composition of Original Historical Interpretive Music Based on the History of Adirondack Logging," B.S., Environmental Studies (with Program Honors), UVM, 2005.
- Ben Hodgman, "Social Capital and Organic Coffee Associations in Costa Rica: Tensions between Civic and Commercial Values," B.S., Environmental Studies, UVM, 2005.
- Joseph Kelly, Jr., "An Ecological Economics Capital Stock Approach to Quality of Life Assessment in Burlington, Vermont, USA," B.S., Integrated Natural Resources, UVM, 2004.
- Ashley Taylor, "The Implementation of Solar Cooking by the Free Methodist Solar Energy Program in Port-au-Prince, Haiti: Assessing the Costs Effectiveness and Success of Technology Transfer," B.S., Environmental Studies, UVM, May 2004.

Rachel Christensen, "SEEDS Program," B.S., Environmental Studies (with Program Honors), UVM, May 2004.

Alex Verinis, "Business Plan – Antumalal Beach Resort Market Evaluation, Costa Rica," B.S., Environmental Studies, UVM, May 2004.

Michael Rauch, "Temporary Economic Impacts and Regional Adjustment: a Case Study of the Hudson River PCB Cleanup," B.S., Environmental Studies, UVM, May 2003.

Todd Dombrowski, "Urban Waterfront Redevelopment: a Case Study of Albany and Rensselaer Counties," B.S., Economics/Biology, RPI, May 2001.

Curricular Advising

University of Vermont

- Recreation Management Program, 20-30 advisees per semester, 2002 – current
- Environmental Studies Program, 2003 – 2004

Rensselaer Polytechnic Institute

- Undergraduate advisor for economics majors, information technology majors, and dual majors with economics and other disciplines

VII. PROFESSIONAL ACTIVITIES AND HONORS

A. Officer and Editorship Positions

President-Elect, U.S. Society for Ecological Economics, 2009 – 2010 (President, 2010 – 2012)

Founder and Director, Fútbol para la Vida, HIV/AIDS Prevention Education in the Dominican Republic, 2006 – current

Executive Editor, *Adirondack Journal of Environmental Studies*, 2007 – current

Treasurer, International Society for Ecological Economics, 2004 – 2006

Topic Editor, "Economics Interactions with Other Disciplines: Natural Resource Economics,"

Encyclopedia of Life Support Systems (EOLSS), UNESCO, EOLSS Publishers, Oxford, UK, 2002

President, Adirondack Research Consortium, 2000 – 2002

Vice-President and Vice-President Elect, Adirondack Research Consortium, 1997 – 2000

B. Board Membership

Member, Scientific Advisory Team, CUNY Environmental Cross-Roads Initiative, National Science Foundation – Consortium of Universities for the Advancement of Hydrologic Science (NSF-CUAHSI) Synthesis Center, 2009 – current.

Member, Technical Advisory Committee, Lake Champlain Basin Program, 2007 – current

Trustee, Conservation and Research Foundation, 2004 – current

Board Member, Adirondack Research Consortium, 2006 – current

Editorial Board, *Ecological Economics Reviews*, New York Academy of Sciences, 2009 – current

Editorial Board, *Environmental Policy and Governance*, 2008 – current

Editorial Board, *International Journal of Environmental Technology and Management*, 2000 – current

Board Member, International Society for Ecological Economics, 2004 – 2006

Commissioner, Burlington Electric Commission, Burlington, VT, 2004

Board Member, United States Society for Ecological Economics, 2003 – 2005 (Founding Member, 2000 – current)

Advisory Board Member, Adirondack Research Consortium, 2002 – 2006 (Founding Member, 1994 – current)

Advisory Board Member, Saratoga Open Space Project, Saratoga Springs, NY, 1998 – 2001

C. Conference Organization

Conference Committee Member, *3rd Biennial Meeting of the United States Society for Ecological Economics*, Tacoma, WA, July 20-23, 2005.
Scientific Evaluation Committee Member, *8th Biennial Conference of the International Society for Ecological Economics*, Montreal, Canada, July 11-14, 2004.
Chairperson and Organizer, *2nd Biennial Meeting of the United States Society for Ecological Economics*, Saratoga Springs, NY, May 22-24, 2003.
Chairperson and Organizer, *8th Annual Conference on the Adirondacks*, Saranac Lake, NY, May 23-24, 2001.
Co-Chairperson and Organizer, *7th Annual Conference on the Adirondacks*, Saranac Lake, NY, May 24-26, 2000.
Co-Chairperson and Organizer, *3rd Annual Conference on the Adirondacks*, May 13-14, 1996.
Organizing Committee Member, "Symposium on Sustainability," National Science Foundation Grant, Clarkson University Center for Environmental Management, Potsdam, NY, June 16-19, 2001.

D. Honors and Fellowships

Finalist, Engaged Scholar Award, Vermont Campus Compact, 2010.
Marcia Caldwell Award, Rubenstein School, University of Vermont, 2005.
Awarded annually by the student body for "commitment and dedication to the students of the Rubenstein School of Environment and Natural Resources"
Outstanding Service Learning Faculty, University of Vermont, 2005.
Service Learning Award, University of Vermont, 2004.
Co-winner with Robert Costanza of the campus-wide inaugural award
Home Town Hero Award, Saratoga Convention and Tourism Bureau, 2003.
Award of Merit, National Environmental Coalition of Native Americans, 1996.
Hung Wo and Elizabeth Ching Fellowship, Cornell University, Summer 1995.
Kieckhefer Adirondack Research Fellowship, College of Agriculture & Life Sciences, Cornell University, 1994-1995.
Stephen B. and Janice G. Ashley Fellowship, Cornell University, Summers 1994 & 1996, Fall 1995.
Honorable Mention, G. F. Warren Publications Award, Cornell University, 1993, 1995.
College of Agriculture and Life Sciences Outstanding Teaching Assistant, Cornell University, 1992.
Peer Tutor Award, North Country Community College, 1989.
Business Administration Award, North Country Community College, 1989.
Feinburg Scholarship, North Country Community College, 1989.

E. Committees and Reviews

Proposal Review, Maryland Sea Grant, April 2008
Exhibit Design Review Panel, Albany Institute of History and Art, April 8, 2008
Review Panel, Northeastern States Research Cooperative, Pre-Proposal Stage, Spring 2006 & 2008
Burlington Legacy Project, Indicators Committee, 2003-2005
Education Committee, Association for the Protection of the Adirondacks, 2000-2002
Technical Review Committee on Economic Growth and Wildlife Conservation, The Wildlife Society, 2001-2002
Reviewer, *Shaping the Northern Forest Economy: Strategies for a Sustainable Future*, Northern Forest Alliance, Montpelier, VT, Feb. 2002
Proposal Review Committee, Hudson River Foundation, New York, NY, 2001 and 2002
Economics and Business Economics Program Review, Utica College, January 22, 2001
Reviewer, Working Group III, Intergovernmental Panel on Climate Change, 1993 – 1994, 1999 – 2000

Peer Review Panel, Environmental Monitoring for Public Access and Community Tracking (EMPACT),
Environmental Protection Agency, Washington, DC, July 22-24, 1998

Reviewer, Selected Papers, American Agricultural Economics Association, 1995 – 1997

Journal Referee for:

Adirondack Journal of Environmental Studies
Agricultural and Resource Economic Review
Contemporary Economic Policy
Environmental Policy and Governance
Environmental Science and Policy
Journal of Environment and Development
Natural Resources Modeling
World Development

Bioscience
Conservation Biology
Ecological Economics
Environmental Research Letters
ISEE Transactions in Engineering Management
Journal of Environmental Management
Wildlife Society Bulletin

Book, Manuscript, and Technical Reviews for:

Cambridge University Press
Island Press
Lake Champlain Research Consortium
Stanford University Press

Lake Champlain Basin Program
Routledge, Taylor & Francis
U.S. Department of Agricultural Hatch Program

F. Invited Presentations

Keynote Address, “Fisheries Management, Coastal Communities, and the Developing Country Context,”
*International Conference on Oceans, Climate Change and Sustainable Development: Challenges to
Oceans and Coastal Cities*, Pacem in Maribus XXXII, Beijing, China, Sep. 2-4, 2010 (forthcoming).

“Ecological Economics 101,” *Vermont Chamber of Commerce Webinar Series*, Mar. 31, 2010.

Keynote Address, “Human Nature, Thermodynamics, and an Economics for the Century of the
Environment,” *14th Annual Spring Symposium*, Center for Environmental Studies, Western State
College, Mar. 24, 2010.

“The Great Experiment in Conservation: Voices from the Adirondacks”

- *Love the Lake Series*, Lake Champlain Basin Program, Grand Isle, VT, Mar. 18, 2010 (with R. Whaley)
- University of Iceland, Reykjavik, Iceland, Sep. 21, 2009.
- The Wild Center – Natural History Museum of the Adirondacks, Tupper Lake, NY, Aug., 21, 2009 (with W. Porter and R. Whaley).

“One Health: Bioregulation of Zoonotic Disease at the Human-Livestock-Wildlife Interface,” College of
Medicine, University of Vermont, November 19, 2009.

“Capturing the Value of Ecosystem Services,” *Environmental Monitoring, Evaluation, and Protection in
New York: Linking Science and Policy*, New York State Energy Research and Development
Authority, October 14-15, 2009.

“Bioregulation of Disease at the Landscape Scale,” International Livestock Research Institute, Nairobi,
Kenya, June 15, 2009.

Panelist, “Ecological Economics – Staying the Course, or Course Correction?” Closing Panel, *5th
Biennial Meeting of the U.S. Society for Ecological Economics*, Washington, DC, Jun. 3, 2009.

Panelist, “Voices of the Adirondacks Symposium,” *16th Annual Conference on the Adirondacks*, Lake
Placid, NY, May 20-21, 2009.

“An Ecological Economics for a Sustainable Energy Future,” Energy Symposium, Champlain College,
Lennoxville, Canada, Mar. 31, 2009.

“It’s the Economics, Stupid,” Forestry Seminar, held jointly with the School of Forest Resources and
School of Economics, University of Maine, Orono, ME, Nov. 14, 2008.

“Toward Genuine Development: Issues and Options for the Post-Washington Consensus,” Ecological
Economics Seminar, Rensselaer Polytechnic Institute, Troy, NY, Mar. 3, 2008.

“Batey Libertad: Service-Learning in Haitian Migrant Communities,” Alternative Spring Break to
Dominican Republic, Dartmouth College, Hanover, NH, Feb. 14, 2008.

- Panelist, "Society and Culture Related to the Lake," Lake Champlain: Our Lake, Our Future, Burlington, VT, Jan. 9, 2008.
- "Poverty Reduction and Ecological Resilience through Genuine Development," Department of International Environment and Development Studies, Norwegian University of Life Sciences, Ås, Norway, Apr. 10, 2007.
- "The Nature of Resources, and the Resources of Nature: Framing an Ecological Economics Approach to Problem-Solving," Norwegian Agricultural Economics Research Institute, Oslo, Norway, Aug. 9, 2007.
- "An Ecological Economics Capital Stock Approach to Quality of Life Assessment in Burlington, Vermont, USA," Norwegian Agricultural Economics Research Institute, Oslo, Norway, Aug. 8, 2007.
- "Naturaleza Humana, Termodinámica, y una Economía para el Siglo del Ambiente," Pontificia Universidad Católica Madre y Maestra, Santiago, Dominican Republic, Apr. 9, 2007.
- "How to Fit a Square Peg into a Round Hole: Human Nature, Thermodynamics, and an Economics for the Century of the Environment," 2006-2007 Colloquium Series, State University of New York, New Paltz, NY, Oct. 26, 2006.
- "Modeling and Measuring the Process and Consequences of Land Use Change in Hudson River Tributaries," Hudson River Foundation Fall Seminar Series, New York, NY, Oct. 3, 2006.
- "Biodiversity – What is it and why is it important," Biodiversity Conservation in Agriculture Symposium, Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program, U.S. Agency of International Development, Punta Cana, Dominican Republic, May 31, 2006.
- Keynote Address, "The Nature of Resources, and the Resources of Nature: an Ecological Economics Framework for Managing the Sears Island Ecosystem," Sears Island Symposium: Are There Costs to Not Preserving Sears Island? Belfast, Maine, Nov. 5, 2005.
- "Grassroot Soccer: Sports in HIV/AIDS Education and Social Change," with P. Erickson, Batey Relief Alliance 3rd International Conference - HIV/AIDS in the Dominican Republic and Haiti - a Bilateral Challenge, Columbia University, New York, NY, April 30, 2005.
- "Participatory Decision-Making at Bioregional Scales: Thoughts on Decision Structure, Group Process, and Bottom-Up Politics," Leeds University, Leeds, UK, April 21, 2005.
- "An Ecological Economics for a Sustainable Earth," *Great Works Symposium: A Sustainable Earth*, Drexel University, Philadelphia, PA, Dec. 9, 2004
- "An Ecological Economist and a Conservation Biologist walk into a bar . . . have you heard this one?" *Conservation Biology Seminar*, Field Naturalist & Ecological Planning Programs, University of Vermont, Burlington, VT, Nov. 18, 2004.
- "I have seen the enemy, and he is an economist: economic lessons for the ecologically literate," *Conservation Biology Seminar Series*, University of Missouri, Columbus, MO, Apr. 15, 2004.
- "Measuring Quality of Life in Vermont," with R. Costanza, *Research-in-Progress Seminar Series*, Center for Research on Vermont, University of Vermont, Burlington, VT, Mar. 8, 2004.
- "Problem-Based Learning in Ecological Economics," *Seminar in Ecological Economics*, Department of Economics, Rensselaer Polytechnic Institute, Troy, NY, Feb. 9, 2004.
- "Economic Policy Instruments for Environmental Management and Sustainable Development," *Workshop on Economic Instruments in Environmental Management*, United Nations Development Program, Port of Spain, Trinidad, Oct. 23, 2003.
- "We Paved Paradise and Put Up a Parking Lot: Economic, Social, and Ecological Implications of Incremental Choice," *Research Experience for Undergraduates Program*, National Science Foundation, Clarkson University, Potsdam, NY, July 1, 2003.
- "We Paved Paradise and Put Up a Parking Lot: Economic, Social, and Ecological Implications of Incremental Choice," *UVM Reunion Speaker Series*, UVM, May 30, 2003.

- “Ecological Economics as the Guiding Paradigm for Creating a Sustainable and Desirable Future,” *School of Natural Resources Spring Seminar Series*, UVM, Apr. 24, 2003.
- “Participatory Scenario Analysis in a Spatial Social Accounting Framework: Applications in Watershed Planning,” *Environmental Research Group Seminar Series*, University of New Hampshire, Durham, NH, Oct. 3, 2002.
- “The Dominance of Economics in Environmental Decision-Making; or Why Principles of Ecology is an Elective, and Principles of Economics is Mandatory,” *Adaptive Peaks Seminar Series*, SUNY College of Environmental Science and Forestry, Syracuse, NY, Nov. 15, 2001.
- Plenary Speaker, “Connecting Land Use, Economics, and Water Quality,” *Annual Meeting of the New York Planning Federation*, Saratoga City Center, Saratoga Springs, NY, Oct. 9, 2001.
- Invited Panelist, “Preparation for Environmental Studies Students for Life Beyond their Bachelor’s Degree,” *Annual Meeting of the New England Environmental Studies Association*, Skidmore College, Saratoga Springs, NY, Nov. 3, 2001.
- “From Economy to Ecology: Modeling and Measuring the Socio-Ecological Dynamics of Land-Use Change,” UFZ Centre for Environmental Research, Leipzig, Germany, Apr. 25, 2001.
- “Resource Use, Institutions, and Sustainability,” *Applied Economics and Economic Policy Workshop*, Binghamton University, Sep. 20, 2000.
- “Climate Economics and the Policy Response: Rigor to Mortis,” *Contemporary Economic Issues Seminar Series*, Department of Economics, Rensselaer Polytechnic Institute, Mar. 8, 2000.
- “Decisions in the Greenhouse: the Science vs. Economics of Climate Change Policy,” *Department of Economics Seminar Series*, Skidmore College, Dec. 8, 1999.
- “The Economics of Poverty Elimination,” *From Extreme Poverty to Sustainable Livelihoods*, A Rockefeller Foundation Seminar, Bellagio, Italy, Sep. 20-24, 1999.
- “A Park Called Home: Perspectives on the Changing Structure of the Adirondack Economy,” *The Fate of the Adirondacks: An Environmental Workshop for Students and Educators*, Colgate University, Hamilton, NY, Mar. 27, 1999.
- “An Adirondack Story: Explorations of the Economy-Ecology Interface,” *Environmental Studies Seminar Series*, Skidmore College, Saratoga Springs, NY, Mar. 10, 1999.
- “The Changing Structure of the Adirondack Forest-Based Economy: An Exercise for Discussion at the Oswegatchie Roundtable,” *Oswegatchie Roundtable*, Paul Smith’s College, Paul Smiths, NY, Feb. 5, 1999.
- “Ecological Economics – Challenges for Sustainable Development,” *The Luncheon Seminar Series*, Rensselaer Polytechnic Institute, Mar. 27, 1998.
- “Why Assumptions Matter: The Rise and Fall (?) of Ecological Economics,” *Robinson Seminar Series in Resource and Environmental Economics*, Cornell University, Dec. 8, 1997.
- “Technology and Development: Dispatches from a Solar Tourist,” *Department of Economics Seminar Series*, Rensselaer Polytechnic Institute, Nov. 11, 1997.
- “Potential of Solar Energy to Offset Greenhouse Gas Emissions,” with T. Drennen, *Seminar on Global Climate Change*, Cornell University, May 10, 1993.
- “CO₂ Effects on Plants: Uncertainties and Implications for Modeling Crop Response to Climate Change,” with D. Wolfe, *Seminar on Global Climate Change*, Cornell University, Apr. 26, 1993.

G. Miscellaneous Professional Activities

- Panelist, “Nature and the Economy: What Should We Hope For?” *14th Annual Spring Symposium*, Center for Environmental Studies, Western State College, Mar. 25, 2010.
- Co-Organizer, “Green Accounting for the Green Economy: Improving GDP and the National Accounts of the United States,” *10th National Conference on Science, Policy, and the Environment*, Washington, DC, January 20-22, 2010.
- Panelist, “Building Undergraduate and Graduate Programs in Ecological Economics,” *10th National Conference on Science, Policy, and the Environment*, Washington, DC, January 20-22, 2010.

- Moderator, "Creating a Green Economy in Vermont: Avoiding 20th Century Responses to 21st Century Problems," Earth Week 2009 Kick-Off Panel, University of Vermont, Burlington, VT, Apr. 20, 2009.
- Panelist, Vermont Yankee Campaign Kick-Off, University of Vermont, Burlington, VT, Apr. 2, 2009.
- Panelist, "A New Paradigm for Markets and Values of Ecosystems and Biodiversity," ARIES (Artificial Intelligence for Ecosystem Services) Valuation Workshop, UVM, Burlington, VT, Mar. 27, 2009.
- Panelist, "Rubenstein School Town Hall Meeting," *Focus the Nation: Global Warming Solutions for America*, University of Vermont, Burlington, VT, Jan. 31, 2008.
- Symposium Organizer and Chair, "Ecological Economics Teach-In," *Focus the Nation: Global Warming Solutions for America*, University of Vermont, Burlington, VT, Jan. 29, 2008.
- Session Chair and Student Paper Evaluator, *4th Biennial Meeting of the United States Society for Ecological Economics*, Pace University, New York, NY, June 23-27, 2007.
- Debate Participant, "Valuing the Planet: Free Market Environmentalism vs. Ecological Economics," Earth Week Events, University of Vermont, Burlington, VT, April 18, 2006.
- Workshop Convener, "Earth Economics: an alternative to the Washington Consensus," *Third Biennial Meeting of the U.S. Society for Ecological Economics*, Tacoma, WA, July 20-23, 2005.
- Panel Participant, "Ecosystem Services Valuation," *Social Economics Forum*, University of Vermont, March 31, 2005.
- Panel Participant, "Global Environmental Issues in 2004," *Social Science Colloquium*, Bennington College, VT, Oct. 18, 2004.
- Panel Participant, "Natural Resource Inventory of Forest Preserve Lands in the Adirondack Park: the Unit Management Plan GIS Project," Adirondack Ecological Center, Newcomb, NY, Aug. 4, 2004.
- Workshop Participant, "Understanding, Valuing, and Managing Dynamic Ecosystem Services Under Stress: Synthesizing Across the LTER Network," National Center for Ecological Analysis and Synthesis, Santa Barbara, CA, June 25-July 2, 2004.
- Workshop Organizer and Chair, "The Wappinger Creek Watershed Economy: Trends, Challenges, and Solutions," with the Wappinger Creek Watershed Intermunicipal Council, Marist College, May 15, 2004.
- Panel Participant, "Sustainable Communities: Planning and Sustainable Infrastructure," *Partnerships for the Northern Forest*, 2nd Annual Northern Forest Community Leadership Exchange and 1st Meeting of the Northeastern States Research Cooperative, Burlington, VT, Nov. 13-14, 2003.
- Panel Participant, "Artists and environmentalists discuss 'A Sense of Place' and 'The Call to Act'," Vermont Humanities Council, Amy E. Tarrant Gallery at the Flynn Center, Burlington, VT, Sep. 30, 2003.
- Small Group Facilitator, "Sharing Experience and Lessons Learned in Lake Basin Management," World Lake Basin Management Initiative, ILEC/LakeNet Regional Workshop for Europe, Central Asia and the Americas, St. Michael's College, June 18-21, 2003.
- Panel Participant, Panel discussion on development issues following screening of "Livable Landscapes: by Chance or by Choice?" University of Vermont and Vermont Forum on Sprawl, Burlington, VT, Mar. 5, 2003.
- Panel Participant, "The Implications of Suburbanization: a Case for Integrated Analysis," Advisory Board Meeting, UVM School of Natural Resources, Burlington, VT, Oct. 10, 2002.
- Panel Participant, "Going Beyond Tourism – Broadening Your Community's Economic Base," Annual Meeting of the New York Planning Federation, Saratoga City Center, Saratoga Springs, NY, Oct. 9, 2001.
- Session Organizer and Chair, "Ecological Economics in Application: Participatory Modeling in the Hudson River Watershed," *Inaugural Meeting of the U.S. Society for Ecological Economics*, Duluth, Minnesota, July 11 – 13, 2001.
- Workshop Organizer and Chair, "Modeling and Measuring the Process and Consequences of Land Use Change: an Advisory Workshop for Hudson River Tributaries of Dutchess County," Marist College, Mar. 23, 2001.

- Organizer and Moderator for Adirondack Research Consortium, "Unit Management Planning: a Scoping Session on GIS Needs and Capacity," Adirondack Ecological Center, Huntington Wildlife Forest, Newcomb, NY, Jan. 8, 2001.
- Organizer for Adirondack Research Consortium, "Eurasian Milfoil: a Scoping Session on Research and Management Needs," Darrin Freshwater Institute, Bolton Landing, NY, Nov. 4, 2000.
- Organizer for Adirondack Research Consortium, "Workshop on Unit Management Planning," *Annual Conference of the Association for the Protection of the Adirondacks*, Silver Bay, NY, Oct. 20-21, 2000.
- Session Organizer, "Ecological Economics Graduate Education through Sustainable Community Development Research," *Sixth Biennial Conference of the International Society for Ecological Economics*, Canberra, Australia, July 5-8, 2000.
- Testimony on behalf of Adirondack Research Consortium, Quality Communities Taskforce, Chaired by New York Lieutenant Governor, Plattsburgh, NY, June 13, 2000.
- Session Chair, "Multi-Criteria Evaluation: Methodology, Quality Assessment, Applications," *Third Biennial Conference of the European Society for Ecological Economics*, Vienna, Austria, May 3-6, 2000.
- Paper Discussant, "A Quantitative Assessment of the EU Proposal for Concrete Ceilings on the Use of the Flexibility Mechanism under the Kyoto Protocol," *Third Biennial Conference of the European Society for Ecological Economics*, Vienna, Austria, May 3-6, 2000.
- Session Chair, "Valuing the Wild," *Seventh Annual Conference on the Adirondacks*, Saranac Lake, NY, May 24-25, 2000.
- Session Chair, "Water Quality, Education, and Management Implications," *Seventh Annual Conference on the Adirondacks*, Saranac Lake, NY, May 24-25, 2000.
- Workshop Participant, "First-Year Studies Program," RPI, Troy, NY, May 23, 2000.
- Workshop Participant, "Humanities and Social Science Core Requirements," RPI, Troy, NY, May 22, 2000.
- Workshop Participant, "Roundtable Meetings – Center for Ethics and Complex Systems," RPI, Troy, NY, Apr. 7 and 14, 2000.
- Workshop Participant, "Wildlands and Society," Adirondack Ecological Center, Newcomb, NY, Dec. 10, 1999.
- Workshop Participant, "Organizational Meeting of the U.S. Society for Ecological Economics," University of Maryland, College Park, MD, June 20-21, 1999.
- Session Chair, "Economic Change and Land Use," *Sixth Annual Conference on the Adirondacks*, Saranac Lake, NY, May 26-27, 1999.
- Workshop Participant, "Laptop's in the Classroom," RPI, Troy, NY, May 10-11, 1999.
- Session Chair, "Modeling Spatial and Temporal Dynamics of Terrestrial Ecosystems," *Fourth Biennial Meeting of the International Society for Ecological Economics*, Boston University, Aug. 4-7, 1996.
- Session Chair, "On the Utility of Utility: Farm Exits, Rural Migration, and Food Stamps," *83rd Annual Meeting of the American Agric. Econ. Assoc.*, Indianapolis, IN, Aug. 6-9, 1995.
- Conference Discussant, *Limits to Markets: Conference Workshop on Equity and the Global Environment*, Cornell University, Apr. 29 - May 1, 1994.

H. Press

- "Ecological Economics," *Emerging Science*, Vermont Public TV, Feb. 9, 2010 (first air date).
- "Disease Origins & Transmission," *Emerging Science*, Vermont Public TV, Feb. 23, 2010 (first air date).
- "When Rivers Run Dry," *Vermont Quarterly*, Spring 2010.
- "UVM Scientists Featured on Upcoming Public Television Series," *UVM Today*, Jan. 27, 2010.
- "Vermont's Book Details New York's Great Adirondack Experiment," *Seven Days*, Dec. 29, 2009.
- "The Adirondacks: a Model of Conservation?" *Vermont Edition*, Vermont Public Radio, Nov. 2, 2009.
- "When Rivers Run Dry," *UVM Today*, Oct. 14, 2009.

- Radio Interview, *The Reality Report*, Global Public Media, Apr. 8, 2009.
- “Rich Enough to Offset: Do Voluntary Carbon Markets Promote Luxury Emissions,” *E-Magazine*, Nov./Dec., 2008.
- “Grad’s Film a Feature Pick on YouTube,” *The View*, Mar. 5, 2008.
- “Offensive Against AIDS,” *Seed Magazine*, Third Culture, June/July 2006.
- “After Class Connections,” *The View*, Apr. 19, 2006.
- “Strengthening Community with Soccer,” *The Vermont Cynic*, pp. 1, 10-11, March 15, 2005.
- “A Forest Threatened,” *Vermont Quarterly*, pp. 26-33, Fall 2004.
- “W.R. Partnership Discussions Continue,” *Rutland Herald*, June 10, 2004.
- “Watershed Planning is Forum Focus: researchers emphasize smart growth,” *Poughkeepsie Journal*, May 16, 2004.
- “Watershed Mtg. was Learning Experience,” *Rutland Herald*, p. A-4, Apr. 15, 2004.
- “Nader Urges Students to Action, Activism,” *The View*, Dec. 10, 2003.
- “Vermont’s Economic Well-Being Double the National Average,” *UVM News* <online>, Sep. 25, 2003.
- Radio Interview, “Cities,” *Food for Thought*, University of Vermont Extension & Vermont Agricultural Experiment Station, Mar. 17, 2003.
- Radio Interview, “Tyranny,” *Food for Thought*, University of Vermont Extension & Vermont Agricultural Experiment Station, Feb. 24, 2003.
- Radio Interview, “Linkage,” *Food for Thought*, University of Vermont Extension & Vermont Agricultural Experiment Station, Feb. 24, 2003.
- “Cashing in on state land: Towns reap tax benefits from Forest Preserve,” *Adirondack Explorer* 4(7), pp. 5, 44-45, May/June 2002.
- “Water smart communities,” *Lake Placid News*, Nov. 9, 2001.
- Radio Interview, *On the Barricades* with host Steve Breyman, with J. Gowdy, WRPI, Troy, live broadcast, Oct. 11, 2000.
- “RPI team will study development impacts on Hudson River ecosystem,” *Capital District Business Review*, June 5-11, 2000.
- “RPI Profs win grant to study Hudson River ecosystem,” *Capital District Business Review*, May 4, 2000.
- “Mapping Economic Impact,” *RPI Review*, p. 2, Apr. 24, 2000.
- “Economics and IT: mapping the future of cities, one lifestyle at a time,” *RPI Review*, p. 2, Jan. 31, 2000.
- “H&SS growing, innovating,” *Polytechnic*, pp. 1, 8, Feb. 2, 2000.
- Radio Interview, *The Environment Show* with host Peter Berle, with S. Percy (former CEO BP-America), WAMC, Albany, recorded Nov. 1, 1999.
- “Some Local Shops Depend on Track,” *The Saratogian*, p. 6A, Jul. 18, 1999.
- “\$1.3 Million Gift from MapInfo Boosts Teaching and Research,” *RPI Review*, p.1, May 7, 1999.
- “Master Plan Committee Holding Second Workshop Tonight,” *Saratogian*, p. 3A, Jan. 26, 1999.
- “Specialists Aim to Quantify Resources,” *Times Union*, p. C1, Sep. 20, 1998.
- “Greenhouse Gas Policy Reviewed in *Science*,” *RPI Review*, p.1, Mar. 27, 1998.
- “Where the Glow Goes,” with D. Chapman, *Cornell Magazine*, Mar. 1996.
- Radio Interview, “Nuclear Waste Storage in Indian Country,” National Public Radio Interview with Anthony Brooks, with D. Chapman, WBUR, Boston, July 18, 1994.
- Television Interview, “Sovereignty for Sale: Nuclear Waste in Indian Country,” Round About Tompkins County, Public Access Channel, Spring 1994.
- Radio Interview, “Nuclear Waste Storage,” w/ D. Chapman, Cornell Media Serv., Jan. 21, 1994.
- Radio Interview, “Developing Solar Energy,” with T. Drennen, Cornell Media Services, May 13, 1993.
- “Can Farming Flourish in Warmer World?,” *Cornell Chronicle*, Nov. 19, 1992.
- “Global Warming: Winners and Losers,” *Cornell Countryman*, Nov. 1992.

VIII. UNIVERSITY SERVICE

A. University of Vermont

Appointed Member, Public Health Working Group, Transdisciplinary Research Initiative, 2009 – 2010.
Elected Member, Faculty Standards Committee, Rubenstein School, 2007 – 2010 (Chair 2009 – 2010)
Member, Search Committee, Aquatic Ecology / Lake Studies position, Rubenstein School, 2009 – 2010.
Member, Marsh Professor-at-Large Selection Committee, 2009 – 2010
Elected Member, Dean's Search Committee, Rubenstein School, 2008 – 2009
Faculty Sponsor, "Lose the Shoes" Barefoot Soccer Tournament and Fundraiser for HIV/AIDS
Prevention Education, Fall 2007, Spring 2008, Fall 2008, Spring 2009, Fall 2010
Honors College Council Member, 2005 – 2006
Elected Member, Curriculum Committee, Rubenstein School, 2003-2006 (Chair 2005 – 06)
Appointed Member, Search Committee, Agricultural Systems Position with Environmental Studies and
Plant & Soil Science, Spring 2006
Appointed Member, Ad Hoc Committee on Faculty Work Load, 2003 – 2004
Oversight Committee, Graduate Certificate in Ecological Economics, 2004 – current
Member, School of Natural Resources Core Curriculum Committee, 2002 – current
Program Representative, University Accepted Students Days, 2002 – current
Planning Committee, Environmental Business Leadership Initiative, 2003 – 2005
Member, Working Group on Integrated Land Use Modeling, 2002 – 2004
Member, Ad Hoc Committee on Policy and Planning Curriculum Development, 2002 – 2004
Member, Ad Hoc Committee on Revising NR 378, 2002 – 2003
Participant, Economist's Luncheon hosted by President Fogel, UVM, Oct. 9 and Dec. 3, 2003

B. Rensselaer Polytechnic Institute

Appointed Member, Strategic Planning Committee on Environmental Science & Engineering, 2001 –
2002
Senator, Rensselaer Faculty Senate, 2000 – 2001
Co-Author, Ecological Economics Strategic Plan, Fall 2001
Presentation, "Ecological Economics @ RPI," Humanities and Social Sciences Advisory Board Meeting,
March 30, 2001
Recruitment Coordinator, Department of Economics, 1997 – 2000
Department Representative, Dean's Executive Committee, Spring 1999
Presentations, Undecided Majors Seminar, Fall 1998, Fall 1999
Co-Author, Department of Economics Strategic Plan 1997, 1998, 1999
Department Representative, Accepted Students Day, 1998
Department Representative, Rensselaer Discovery Days, 1997
Department Representative, Working Group on Quantitative Methods, School of Humanities and Social
Sciences, 1997 – 1998

C. Cornell University

Department Admissions Committee, 1996 – 1997
Department Seminar Committee, 1995 – 1996
Department Awards Committee, Spring 1996
Department Undergraduate Program Committee, 1991 – 1992

IX. PERSONAL ACTIVITIES

Volunteer, Vermont Haiti Relief Team, Vermont Federation of Nurses and Health Professionals, January 2010 – current.

Participant, UVM Intramural Broom-Ball, Rubenstein School Team, Fall 2008

Participant, UVM Intramural Soccer, Rubenstein School Team, Spring 2005, Spring 2006

Lacrosse Coach, Edmunds Middle School, Burlington, VT, Spring 2004

National Certified Alpine Ski Coach, United States Ski Coaches Association

Level II Referee, New York State Ski Racing Association

Alpine Ski Coach, New York Ski Education Foundation (NYSEF), Gore Mtn., 1998 – 2002

Junior Development Committee, New York State Ski Racing Association, 1998 – 2001

Alpine Ski Coach, NYSEF Summer Alpine Racing Camp, Mt. Hood, OR, July 2000, July 2001

Alpine Ski Coach, West Mountain Racing Team, 1997 – 1998

Soccer Coach, Saratoga Springs Recreation Bureau, Division 2, Spring and Fall, 1998

Baseball Coach, Ithaca Youth Bureau, 1996 – 1997

Alpine Ski Coach, Greek Peak Ski Club, 1993 – 1997

Assistant Alpine Ski Coach, Cornell University, 1992 – 1993

NCAA Division I Alpine Ski Team, Cornell University, 1989 – 1991

Skiing & Academic All-American (NJCAA), National Slalom Champion (NJCAA), Athlete of the Year, Most Valuable Player, N.Y. State Ski Education Foundation Scholarship, Ski Team Captain, 1988 – 1989