

## **Barry D. Solomon**

Professor of Geography and Environmental Policy  
Department of Social Sciences  
Michigan Technological University  
1400 Townsend Drive  
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phone: (906) 487-1791; email: bdsolomo@mtu.edu

### **Education**

University of California, Irvine, B.A. Social Ecology, 1977  
Indiana University, M.P.A. Environmental Policy, 1979  
Indiana University, Ph.D. Regional Analysis & Planning, 1983

### **Experience**

2003 - date Professor of Geography & Environmental Policy, Michigan Technological University, Dept. of Social Sciences. Associate, Sustainable Futures Institute.  
2008, fall Visiting Scholar, Center for Public Sector Research, University of Gothenburg, Sweden.  
2002 - 2003 Visiting Associate Professor, Bren School of Environmental Science & Management, University of California at Santa Barbara, and Department of Environmental Studies, University of California at Santa Cruz.  
1995 – 2002 Associate Professor of Geography and Environmental Policy, Michigan Technological University, Department of Social Sciences.  
1989 - 1995 U.S. Environmental Protection Agency, Acid Rain and Climate Change Divisions, Washington, D.C., Senior Economist. Helped develop and implement first national (SO<sub>2</sub>) emissions trading program in the United States.  
1986 - 1989 Energy Information Administration, U.S. Department of Energy, Office of Energy Markets & End Use, Washington, D.C., Senior Economist.  
1984 - 1986 Federal Energy Regulatory Commission, Office of Electric Power Regulation, Washington, D.C., Industry Economist.  
1984, fall Consumer Energy Council of America, Washington, DC, Research Associate.  
1982 - 1984 West Virginia University, Visiting Assistant Professor of Geography & Energy Economics, and Research Associate, Regional Research Institute.

### **Selected Publications (over 160 total)**

Solomon, B.D. Biofuels and sustainability. *The Year in Ecological Economics*, forthcoming 2010.  
Solomon, B.D. High-level radioactive waste management in the U.S. *Journal of Risk Research*, forthcoming December 2009.  
Halvorsen, K.E., Barnes, J.R. and Solomon, B.D. Upper Midwestern USA ethanol potential from cellulosic materials. *Society and Natural Resources*, forthcoming 2009.  
Solomon, B.D. and V. Luzadis, eds., *Renewable Energy From Forest Resources in the United States* (Oxfordshire: Routledge, 2009).  
Solomon, B.D. and N.H. Johnson. Introduction. In B.D. Solomon and V.A. Luzadis, eds. *Renewable Energy From Forest Resources in the United States* (Oxfordshire: Routledge, 2009).  
Solomon, B.D. Regional economic impacts of cellulosic ethanol development in the North Central states. In B.D. Solomon and V.A. Luzadis, eds. *Renewable Energy From Forest Resources in the United*

- States* (Oxfordshire: Routledge, 2009).
- Solomon, B.D. and Johnson, N.H. Valuing climate protection through willingness to pay for biomass ethanol. *Ecological Economics*, Vol. 68, No. 7 (May 15, 2009), pp. 2137-2144.
- Ilija Ojeda, M. A.S. Mayer and B.D. Solomon. Economic valuation of environmental services sustained by water flows in the Yaqui River delta. *Ecological Economics*, Vol. 65, No. 1 (March 15, 2008), pp. 155-66.
- Solomon, B.D. Barnes, J. and Halvorsen, K.E. Grain and cellulosic ethanol: History, economics, and energy policy. *Biomass & Bioenergy*, Vol. 31, No. 6 (June 2007), pp. 416-25.
- Heiman, M.K. and B.D. Solomon. Fueling U.S. transportation: The hydrogen economy and its alternatives. *Environment*, Vol. 49, No. 8 (October 2007), pp. 10-25.
- Solomon, B.D. and Banerjee, A. A global survey of hydrogen energy research, development & policy. *Energy Policy*, Vol. 34 (May 2006), pp. 781-92.
- Solomon, B.D., ed. *Readings in American Socioeconomic Institutions* (Boston: Pearson Custom Publishing, 2006), 3rd edition, 388 pages.
- Solomon, B.D., C.M. Corey-Luse and K.E. Halvorsen. The Florida manatee and eco-tourism: Toward a safe minimum standard. *Ecological Economics*, Vol. 50 (September 2004), pp. 101-15.
- Heiman, M.K. and B.D. Solomon. Power to the people: Electric utility restructuring and the commitment to renewable energy. *Annals of the Association of American Geographers*, Vol. 94, No. 1 (March 2004), pp. 94-116.
- Solomon, B.D. and R. Lee. Emissions trading systems and environmental justice. *Environment*, Vol. 42, No. 8 (October 2000), 32-45.
- Solomon, B.D. New directions in emissions trading: the potential contribution of new institutional economics. *Ecological Economics*, Vol. 30 (September 1999), 371-87.
- Solomon, B.D. Global CO<sub>2</sub> emissions trading: early lessons from the U.S. Acid Rain Program. *Climatic Change*, Vol. 30 (May 1995), 75-96.
- Solomon, B.D. and D.R. Ahujua. International reductions of greenhouse-gas emissions: an equitable and efficient approach. *Global Environmental Change*, Vol. 1 (December 1991), 343-50.

### **Synergistic Activities**

Dr. Solomon is the founder and past president of the United States Society for Ecological Economics. At Michigan Tech, environmental and energy policy research by Dr. Solomon has been conducted since 2003 under the auspices of the Sustainable Futures Institute (SFI) at Michigan Technological University (MTU), which he helped to establish, and he has been working with several collaborators since the late 1990s. The SFI has been an especially effective way to collaborate across disciplines on complex problems in the environmental, natural resources, economics, and energy fields. In addition, he previously worked on several interdisciplinary, sponsored research projects at MTU's Institute of Materials Processing, Power and Energy Research Center, and the former U.S. EPA supported Center for Clean and Industrial Treatment Technologies.

### **Current Professional Organizations**

U.S. Society for Ecological Economics (founder and past president)  
 International Society for Ecological Economics  
 Association of American Geographers  
 International Association for Society and Natural Resources  
 American Association for the Advancement of Science

**Kathleen E. Halvorsen**

Associate Professor of Natural Resources Policy  
Joint Appointment Department of Social Sciences/  
School Forest Resources and Environmental Sciences  
Michigan Technological University  
1400 Townsend Drive  
Houghton, MI 49931-1295

**Education**

- 1992-1996 University of Washington, College of Forest Resources, PhD February 1996. Dissertation: Employee Responses to the Incorporation of Environmental Complexity into the USDA Forest Service.
- 1990-1992 SUNY College of Environmental Science and Forestry, Department of Environmental Science. M.S. August 1992.
- 1987-1989 University of California at Berkeley, Department of Resource and Agricultural Economics. B.S. December 1989.

**Experience**

- 2002 – date Associate Professor, Michigan Technological University.  
1995- 2001 Assistant Professor, Michigan Technological University.

**Selected Relevant Peer-Reviewed Publications**

- Halvorsen, K.E., J.R. Barnes\*, and B.D. Solomon. 2009. Upper Midwestern USA Ethanol Potential from Cellulosic Materials. *Society and Natural Resources*. 22(10).
- Shonnard, D.R., J. Jensen\*, J. Naber, Q. Zhang, A. Maclean, K.E. Halvorsen, J.W. Sutherland, and T.L. Jenkins\*. 2008. Wood to Wheels: A Multidisciplinary Research Initiative in Sustainable Transportation Utilizing Fuels and Co-Products from Forest Resources. *SAE (Society of Automotive Engineers) Converge*. In press.
- Solomon, Barry D., J.R. Barnes\*, and K.E. Halvorsen. 2007. Grain and Cellulosic Ethanol: History, Economics, and Energy Policy. *Biomass and Bioenergy*. 31(6):216-25.
- Halvorsen, K.E. 2006. Critical Next Steps in Research on Public Meetings and Environmental Decision Making. Invited Submission for Special Issue of *Human Ecology Review* on Public Participation. 13(2):150-160.
- Halvorsen, K.E. 2003. Assessing the Effects of Public Participation. *Public Administration Review*. 63(5):535-543.
- Halvorsen K.E., and M.E. Jarvie\*. 2002. Working and Lower Middle Class Women and Obstacles to Environmentally Related Public Meeting Participation. *Environmental Practice* 4(1):18-26.
- Carr, D.S., and K.E. Halvorsen. 2001. An Evaluation of Three Democratic, Community-Based Approaches to Citizen Participation: Surveys, Conversations with Community Groups, and Community Dinners. *Society and Natural Resources* 14:107-126.
- Halvorsen, K.E. 2001. Assessing Public Participation Techniques for Comfort, Convenience, Satisfaction, and Deliberation. *Environmental Management* 28(2):179-186.

Halvorsen, K.E., D.S. Becker, C. Hinrichs, and T.A. Selfa (eds). 2009. Special Issue of *Biomass and Bioenergy: Socioeconomic Dimensions of U.S. Bioenergy* Planned for publication 2010. **Under revision.**

Jensen\*, J.E., K.E. Halvorsen, D.R. Shonnard. 2009. Cellulosic Ethanol, U.S. Federal Energy and Agricultural Policy, and the Diffusion of Innovation. Submitted for Special Issue of *Biomass and Bioenergy: Socioeconomic Dimensions of U.S. Bioenergy* **Under revision.**

Johnson, D., K.E. Halvorsen, B.D. Solomon. 2009. U.S. Upper Midwestern Consumers and Ethanol: Knowledge, Beliefs and Consumption. Submitted for Special Issue of *Biomass and Bioenergy: Socioeconomic Dimensions of U.S. Bioenergy* **Under revision.**

- **Supervised student**

### **Synergistic Activities**

Invited Keynote Speaker, Sustainability and Biofuels: State of the Science and Future Directions. “Social Dimensions of Cellulosic Ethanol.” Bethesda, MD. November 2008. Sponsored by the U.S. Department of Energy/Office of Science and the U.S. Department of Agriculture.

Lead organizer (with Dennis R. Becker and Clare Hinrichs) of Sessions 1-5 on the Social Dimensions of Biomass Energy at International Symposium on Society and Resource Management (ISSRM) at Burlington VT. June 2008.

Graduate Director, Environmental Policy Masters Program; Sustainability Faculty Hiring Initiative Committee Member; Advisory Board Member Center for Water and Society, Affiliated Faculty Member with the Sustainable Futures Institute and the Center for Water and Society at Michigan Technological University.

Associate Editor, *Society and Natural Resources*; Editorial Board, *Environmental Management*; 2<sup>nd</sup> Vice President, *Society for Human Ecology*; Council Member, *International Association on Society and Natural Resources*.

**Collaborators:** Clare Hinrichs, Pennsylvania State University; Theresa Selfa, Kansas State; Dennis Becker, University of Minnesota; Cass Moseley, University of Oregon; Sarah McCaffrey and Pamela Jakes, USFS. PhD Advisor: Margaret Shannon, University of Vermont.

**Graduate advisees currently (6):** PhD in Forest Science, Andrew Kozich; MS in Environmental Policy: Susan Balint, Karl Makinen, Chris Hohnholt, Brian Pattullo. Co-advising Doctoral Student in Environmental Engineering with Alex S. Mayer: Agustin Robles Morua. **Graduated within past three years (5):** Smriti Dahal (MS in Environmental Policy), Gerald K Greer (MS Environmental Policy), Matthew Zumstein (MS Forestry), Joy Wang (MS Environmental Policy), Melanie Barbier (MS Environmental Policy).

## **Hugh S. Gorman**

Associate Professor of Environmental History and Policy

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(906) 487-2468 (fax)

### **Education**

Ph.D., History and Policy, Carnegie Mellon University, August 1996.  
M.A., Professional Writing, Carnegie Mellon University, May 1985.  
B.S., Electric Power Engineering, Rensselaer Polytechnic Institute, May 1979.

### **Academic Positions**

Associate Professor of Environmental History and Policy, Michigan Technological University 2002 - present  
Haas Fellow, Beckman Center for the History of Chemistry, Chemical Heritage Foundation, 2003 - 2004  
Assistant Professor of Environmental History and Policy, Michigan Technological University 1996 - 2002

### **Research Interests**

I study the historical interactions between policy choices, technological innovation, and environment change, with the main goal being to inform efforts to construct policies that are environmental sustainable, economically viable, and socially just.

### **Publications**

#### ***Books***

Hugh S. Gorman, *Redefining Efficiency: Pollution Control, Regulatory Mechanisms, and Technological Change in the U.S. Petroleum Industry*. Akron: University of Akron Press, 2001.

#### ***Edited Volumes***

Hugh S. Gorman and Alex Farrell, eds., *Monitoring the Environment: Taking a Historical Perspective*, special issue of *Environmental Monitoring and Assessment* 106 (July 2005).

#### ***Journal Articles and Book Chapters***

Hugh Gorman and Betsy Mendelsohn, "Where Does Nature End and Culture Begin? Converging Themes in the History of Technology and Environmental History" in *The Illusionary Boundary: Historical Research at the Intersection of Technology and the Environment*, ed. Stephen Cutcliffe and Martin Reuss, (University of Virginia Press, forthcoming 2010).

Samir Qadir and Hugh S. Gorman, "The Use of ISO 14001 in India: More Than a Certificate on the Wall?" *Environmental Practice* 10 (2008): 53-65.

Hugh S. Gorman, "The Houston Ship Channel and the Changing Landscape of Industrial Pollution" in *An Environmental History Of Houston and the Gulf Coast*, ed. Martin V. Melosi and Joseph Pratt (University of Pittsburgh Press, 2007): 52-68.

Hugh S. Gorman and Kathleen E. Halvorsen, "The Regulation of Alternative Onsite Wastewater Technologies in the Great Lakes Region," *Small Flows Quarterly* 7 (2006): 23-37.

Kathleen E. Halvorsen and Hugh S. Gorman, "Onsite Wastewater Treatment along the Great Lakes and the USEPA 'Homeowner Awareness' Model," *Environmental Management* 37 (2006): 395-409.

Hugh S. Gorman, "Laying the Foundation for the Control of Industrial Pollution, 1930-1970: Two Canals, a Refinery, and Clarence W. Klassen," *Journal of Illinois History* 8 (2005): 182-208.

- Hugh S. Gorman and Erik Conway, "Monitoring the Environment: Taking a Historical Perspective," *Environmental Management and Assessment* 106 (2005): 1-10.
- Hugh S. Gorman, "Urban Areas, Environmental Decision Making, and Uses of History to Inform Public Choices" in *Public History and the Environment*, Martin V. Melosi and Philip V. Scarpino (Krieger, 2004).
- Hugh S. Gorman, "Brownfields in Historical Context," *Environmental Practice* 5 (2003): 21-24.
- Hugh S. Gorman and Barry D. Solomon, "The Origins and Practice of Emissions Trading," *Journal of Policy History* 14 no. 3 (2002): 293-320.
- Hugh S. Gorman, "Conflicting Goals: Superfund, Risk Assessment, and Community Participation in Decision Making," *Environmental Practice* 3 (March 2001): 27-37.
- Hugh S. Gorman, "Efficiency, Environmental Quality, and Oil Field Brines: The Success and Failure of Pollution Control by Self Regulation," *Business History Review* 73 (Winter 1999): 601-640.
- Barry D. Solomon and Hugh S. Gorman, "State-Level Air Emissions Trading: The Michigan and Illinois Models," *Journal of the Air and Waste Management Association* 48 (December 1998): 1156-1165.
- Hugh S. Gorman, "Manufacturing Brownfields: The Case of Neville Township, Pennsylvania, 1899-1989," *Technology and Culture* 38 (July 1997): 539-574.

### **Courses Taught**

- Environmental Decision Making* (1997 to 2006): Graduate-level group practicum in which students study and contribute to an environmental decision-making process.
- Global Environmental Systems (2006-present)*. Graduate-level course that examines different approaches to understanding links between economies and ecologies.
- U.S. Environmental History* (1997 to present): Examines how environments, uses of the environment, and perceptions of nature have changed since colonization.
- Science, Technology, and Society: Interactions and Interrelationships* (1996 to present): Examines how scientific advances and technological innovations have influenced and been influenced by ethical and political choices.
- Institutions: Capitalism, Democracy, and Globalization* (2000 to 2006): Introductory course that examines how key institutional systems have changed over time.
- Environmental Policy* (1996 to 2000): Examined the construction of U.S. environmental policy.
- Western Civilization* (1996 to 2000): A one semester course in Western Civilization.

### **Current Professional Organizations**

- American Society for Environmental History  
 Society for the History of Technology  
 Treasurer, 2008 – present  
 Envirotech special interest group, co-chair 2006 - present

**Carol A. MacLennan**  
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## **Education**

University of California, San Diego. History. B.A. 1970  
University of California, Berkeley. Anthropology. M.A. 1971  
University of California, Berkeley. Anthropology. Ph.D. 1979

## **Experience**

Associate Professor of Anthropology. Social Sciences Department. Michigan Technological University. 1985- present.  
Scholar in Residence. Amerind Foundation. Dragoon, AZ. Winter 1995.  
Social Science Analyst, National Highway Traffic Safety Administration, U.S. Department of Transportation (Washington, D.C.). 1979-1985. (GS12; GS13)]  
Anthropology Consultant. Federal Trade Commission. Bureau of Consumer Protection; Policy Planning Bureau. 1979.  
Lecturer, Department of Anthropology. Sonoma State University. 1978  
Community Development Specialist, Hopi Tribal Council, Oraibi, AZ. 1973-74.

## **Professional Societies**

American Anthropological Association. Society for Industrial Archeology. Society for Applied Anthropology. Political Ecology Society. American Society for Environmental History. European Society for Environmental History.

## **Honors, Awards, Professional Service**

2009- 2011: Elected Member, Commission on Labor Relations, American Anthropological Association.  
2007- : Appointed Fellow, Society for Applied Anthropology. 2004-07: Board Member, Keweenaw Land Trust. 2004-05: Coordinating Committee, Conference on Sulfide Mining in Michigan, Wisconsin, and Minnesota. Western Mining Activists Network. 1996-97: Conference on Public Interest Science. University of Oregon. National Coordinating Committee. 1988-9: American Anthropological Association National Panel on Disorders of Industrial Societies. 1980, 1982: Award for Outstanding Performance, U.S. Department of Transportation.

## **Research Fields**

Political ecology, industrial communities (mining, sugar cane), environmental policy (toxics; mining), democracy and public policy

## Publications

- "Plantation Payday: A Research Note" *The Hawaiian Journal of History*. 42:277-284 (2008).
- "Wai: Indigenous Water, Industrial Water in Hawai'i" *Organization and Environment*. 20(4):497- 505 (2007)
- "Kilauea Sugar Plantation in 1912: A Snapshot" *The Hawaiian Journal of History*. 41: 1-13. (2007)
- "How Mining, Ranching, and the State Changed the Landscape of Southwestern New Mexico, 1850-2005" (with C. Walck) in L Cliggett and C. Pool, eds. *Economies and the Transformation of Landscape*. Alta Mira Press. (2007)
- "Corruption in Corporate America: Enron—Before and After" in D. Haller and C. Shore (eds.), *Corruption: Anthropological Perspectives*. 2005. London:Pluto Press.
- "The Mark of Sugar: Eco-Industrial Heritage of Hawaii" *Historical Social Research. Special Issue: Frontiers of Environmental History*. 2004. 29:3. pp. 37-62.
- "Hawaii's Early Plantation Heritage" *CRM: Cultural Resources Management*. U.S. National Park Service. 1998. 21:8. pp. 41-42.
- "Hawaii Turns to Sugar: The Rise of Plantation Centers, 1860-80." *Hawaiian Journal of History*. 1997. 31:97-25
- "Democracy Under the Influence: Cost-Benefit Analysis in the U.S." 1997. *Meanings of the Market: The Free Market in Western Culture*. James Carrier, ed. Oxford: Berg Publishers. pp. 195-224.
- "Foundations of Sugar's Power: Early Maui Plantations, 1840-1860." *Hawaiian Journal of History*. 1995. 29:33-56.
- "Working in Industrial Agriculture: Book Review Essay." *American Anthropologist*. 1995. 97(4) pp. 797-799.
- "Democratic Participation: A View from Anthropology" 1994. in *Diagnosing America: Anthropology and Public Engagement*. S. Forman (ed.) University of Michigan Press.
- "Public Sector Unions and the Possibilities for Democratic Administration in the U.S." 1993. in Greg Albo, David Langille, and Leo Panitch (ed.), *A Different Kind of State?: Popular Power and Democratic Administration*. Toronto: Oxford University Press. pp. 144-154.
- The State and Democracy: Revitalizing America's Government*. Co-author with Mark Levine, Charles Noble, and John Kushma. 1988. New York: Routledge, Kegan, and Paul.
- "From Accident to Crash: the Auto Industry and the Politics of Injury." 1988. *Medical Anthropology Quarterly* 2(3):233-250.
- "Unmeasured Costs of Injury." 1987. *Public Health Reports*. 102(6):636-637.
- "Political Response to Economic Loss: The Automotive Crisis of 1979-82" in *Urban Anthropology*. 1985. 14(1-3):21-57.
- "Crisis and Change in U.S. Agriculture: Overview" (with R. Walker) in R. Burbach and P. Flynn (eds.) 1980. *Agribusiness in the Americas*, New York: Monthly Review Press.

**Audrey L. Mayer**  
Assistant Professor in Ecology and Environmental Policy  
Michigan Technological University  
Department of Social Sciences &  
School of Forest Resources and Environmental Sciences  
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**Education:**

Ph.D. (2000) University of Tennessee, Knoxville.  
Major: Ecology and Evolutionary Biology (minor in Environmental Policy)  
*Dissertation:* Cape Sable seaside sparrow (*Ammodramus maritimus mirabilis*) habitat and the Everglades: Ecology and conservation.

B.A. (1994) Pomona College, Claremont, California.  
Major: Biology/Public Policy Analysis  
*Theses:* Habitat selection of the California gnatcatcher (*Polioptila californica*); The Natural Communities Conservation Plan: A problematic solution to species conservation.

**Positions Held:**

Assistant professor, Ecology and Environmental Policy, Michigan Technological University (01/2009 to present)  
Docent (adjunct professor) in Environmental Policy, University of Helsinki (02/2007 to date)  
Researcher, University of Helsinki, Faculty of Biosciences (01/2007 to 12/2008)  
Researcher, University of Tampere, School of Economics and Business Administration (01/2006 to 12/2006)  
Ecologist, US Environmental Protection Agency, Office of Research and Development, National Risk Management  
Research Laboratory, Sustainable Technologies Division, Sustainable Environments Branch (06/2002 to 01/2006)  
Adjunct assistant professor, University of Cincinnati, Department of Biological Sciences (04/2002 to 01/2006)  
Post-doctoral research associate, USEPA, ORD, NRMRL, STD, SEB (09/2001 to 06/2002)  
Post-doctoral research associate, University of Cincinnati, Department of Biological Sciences (02/2000 to 09/2001)

**Courses Taught:**

*Michigan Technological University*  
SS 3300 “Environmental Problems” (Spring 2009, 2010)  
SS 3930 “Environmental Issues” (Fall 2009)  
UN 1001 “Developing a Sustainability Mindset” (Fall 2009)  
FW 4380 “Landscape Ecology” (Spring 2010)

*University of Helsinki*  
“Natural scientific literature on environmental protection”, University of Helsinki (Spring 2007)

*University of Cincinnati*

BS 604 “Ornithology”, University of Cincinnati (Fall 2003)

“Foundations of Ecology” graduate seminar, University of Cincinnati (Fall 2002)

“All about birds”, University of Cincinnati – Communiiversity (Fall 2001 and 2002)

*University of Tennessee, Knoxville* (Graduate Teaching Assistant, Fall 1995 through Fall 1999)

“General Ecology”, “Conservation Biology”, “Field Ornithology”, “Biodiversity”, “General Biology”

Tutor, biology, ecology, genetics and animal sciences, Women’s Athletic Department (Fall 1996 through Spring 1998)

*Pomona College*

General Biology instructor (Spring 1995)

**Selected Recent Peer-Reviewed Publications:**

Mayer AL, L Vihermaa, N Nieminen, A Luomi, M Posch. 2009. Epiphytic macrolichen community correlates with modeled air pollutants and forest conditions. *Ecological Indicators* 9:992-1000.

Mayer AL. 2008. Ecologically-based approaches to evaluate the sustainability of industrial systems. *International Journal of Sustainable Society* 1(2):117-133.

Mayer AL. 2008. Strengths and weaknesses of common sustainability indices for multidimensional systems. *Environment International* 34:277-291.

Cabezas H, CW Pawlowski, HW Whitmore, and AL Mayer. 2007. On the sustainability of an integrated model system with industrial, ecological, and macroeconomic components. *Resources, Conservation and Recycling* 50:122-129.

Hopton ME and AL Mayer. 2006. Using Self-Organizing Maps to explore patterns in species richness and protection. *Biodiversity and Conservation* 15:4477-4494.

Mayer AL and PM Tikka. 2006. Biodiversity conservation incentive programs for privately owned forests. *Environmental Science and Policy* 9:614-625.

Mayer AL, CW Pawlowski and H Cabezas. 2006. Fisher information and dynamic regime changes in ecological systems. *Ecological Modelling* 195(1-2):72-82.

Mayer AL, PE Kauppi, PM Tikka, and PK Angelstam. 2006. Conservation implications of exporting domestic wood harvest to neighboring countries. *Environmental Science and Policy* 9:228-236.

Mayer AL, PE Kauppi, PK Angelstam, Y Zhang and PM Tikka. 2005. Importing timber, exporting ecological impact. *Science* 308(5720):359-360.

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## Diana Mincyte

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University of Illinois, Urbana-Champaign  
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### Education

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PhD           University of Illinois at Urbana-Champaign, IL; Sociology, October 2006  
Dual MA       Bowling Green State University, OH; American Culture Studies and Popular Culture,  
                  August 1999  
MA            Vytautas Magnus University, Lithuania; English, June 1997  
BA            Vytautas Magnus University, Lithuania ; English, June 1995

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### Experience

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October 2009 – Present           Research Fellow, Rachel Carson Center for Environmental Studies,  
  Ludvig Maximilians University-Munich, Germany  
August 2006 – August 2009       Visiting Assistant Professor, Advertising; University of Illinois, Urbana-  
  Champaign

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### Research Areas

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- Environmental Justice, Land-Use, Global Inequalities
- Food Systems, Alternative Agro-Food Economies
- Consumer Societies and Gender
- East Europe, Post-Socialism, Globalization, Westernization
- Historical and Qualitative Research Methods, Video Ethnography

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### Selected Publications

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Edited Volumes:

Mincyte, Diana (lead co-editor with Monica J. Casper and C.L. Cole) (2009) Special Issue “Sports, Environmentalism, Land Use, and Urban Development.” *Journal of Sport and Social Issues*. 32:2.

\_\_\_\_\_ (lead co-editor with Monica J. Casper and C.L. Cole) (forthcoming, August 2009) Special Issue “The Politics of Nature, Recreation, and Technologies of the Body.” *Journal of Sport and Social Issues*. 32:3.

\_\_\_\_\_ (guest co-editor with Chris Perkins and C.L. Cole) (forthcoming, February 2010) Special Issue “The Politics of Golf and Development.” *Journal of Sport and Social Issues*. 33:1.

\_\_\_\_\_ (guest co-editor with Ezekiel Flannery) (forthcoming, May 2010) Special Issue “Food and Power,” *Cultural Studies* <-> *Critical Methodologies*.

## Articles:

- Mincyte, Diana (forthcoming, 2010), "Environmentalism and the Body: Labor, Nature, and the Politics of Gender" in Monica J. Casper and Paisley Currah (eds.), *Bodies of Knowledge: Interdisciplinary Studies of Embodiment*. Minneapolis: University of Minnesota Press.
- \_\_\_\_\_ (forthcoming, November 2009), "Self-Made Women: Raw Milk Consumption and Gender Politics in Post-Socialist Lithuania" in Melissa Caldwell (ed.) *Food in Post-Soviet Societies*. Bloomington: Indiana University Press.
- \_\_\_\_\_ (forthcoming, 2009), "From Traditional to Modern Rural Societies" in Ingrid Karlsson, Kalev Sepp, and Jozef Mosiej, *Module 2: Rural Development and Land Use in the Baltic Watershed*. Uppsala: Baltic University.
- \_\_\_\_\_ (2009), "Everyday Environmentalism: The Practice, Politics, and Nature of Subsidiary Farming in Stalin's Lithuania," *Slavic Review*. 68: 1. 31-49.
- \_\_\_\_\_ (2003) "The Chemistry of Sovietization: Industrial Solvents and Nationalist Reactions in the 1960s Lithuania" in Monica J. Casper (ed.), *Synthetic Planet: Chemicals, Politics, and the Hazards of Modern Life*. London: Routledge. 237-254.
- \_\_\_\_\_ (2002), "On the Chemistry of Liberty," *Cultural Studies<->Critical Methodologies*. 2:1, 40-47.
- Mincyte, Diana, Monica J. Casper, C.L. Cole (August 2009), "The Politics of Nature, Recreation, and Technologies of the Body." *Journal of Sport and Social Issues*. 32:3.
- \_\_\_\_\_ (May 2009), "Sports, Environmentalism, Land Use, and Urban Development," *Journal of Sport and Social Issues*. 33:2. 103-110.

## Teaching Experience

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List of Excellent Teachers as Ranked by Their Students 2005-Present, Eight Courses

*Undergraduate Courses (University of Illinois, Urbana-Champaign unless noted otherwise)*

Environmental Communications; Sustainability and Consumption; Body Image in Consumer Culture; Global Studies in Consumer Culture; Post-Socialism: Economy; Culture and Power in East Europe; Africa in World Perspective; Introduction to Popular Culture (Bowling Green State University)

*Graduate Courses (University of Illinois, Urbana-Champaign)*

Green Consumerism and Environmental Advocacy; Globalization and Anti-Globalization; Advertising in Communications; Consumer Behavior and Decisions

**Bradley H. Baltensperger**  
Professor of Geography  
Chair, Department of Cognitive & Learning Sciences  
Michigan Technological University  
Ph: 906-487-2425; Email: brad@mtu.edu

## Education

Ph.D., 1974, Clark University, Geography  
B.A., 1969, University of Nebraska, History

## Employment

1974-present Michigan Technological University  
2001-present Chair, Department of Cognitive & Learning Sciences  
1995-2001 Director, Environmental Policy Program  
1994-present Professor of Geography  
1987-1990 Head, Department of Social Sciences  
1990-1991 Gastprofessor and Fulbright Fellow, Philipps-Universität, Marburg, Germany

## Selected Publications

### Book

*Nebraska: A Geography* (Boulder, Colorado: Westview Press, 1985).

### Articles

- "Labels, Regions, and Reality," *Nebraska History* 80 (1999): 26-28.
- "Larger and Fewer Farms: Patterns and Causes of Farm Enlargement on the Central Great Plains, 1930-1978," *Journal of Historical Geography* 19 (1993): 299-313.
- "Plains Boomers and the Creation of the Great American Desert Myth," *Journal of Historical Geography* 18 (1992): 59-73.
- "A County That Has Gone Downhill," *Geographical Review* 81 (1991): 433-442.
- "Community Risk Perception: A Pilot Study," in *Risk Assessment and Management*, edited by Lester Lave (New York: Plenum, 1987), pp. 337-344. With Branden B. Johnson.
- "Hedgerow Distribution and Removal in the Non-Forested Areas of the Midwest," *Journal of Soil and Water Conservation* 42 (1987): 60-64.
- "Farm Consolidation in the Northern and Central States of the Great Plains," *Great Plains Quarterly* 7 (1987): 256-265.
- "Agricultural Change Among Great Plains Russian Germans," *Annals of the Association of American Geographers* 73 (1983): 75-88.
- "Energy Education in the Secondary School System: Technical Knowledge and Social Attitudes of the Secondary Educator," *ASEE Annual Conference Proceedings* (1982): 1-11. With Duane L. Abata and Mary M. Buser.
- "Agricultural Change among Nebraska Immigrants, 1880-1900," *Ethnicity on the Great Plains*, edited by Frederick C. Luebke (Lincoln: University of Nebraska Press, 1980), pp. 170-189. Reprinted in *Journal of the American Society of Germans from Russia* 5, no. 4 (1982): 40-48.

"Agricultural Adjustments to Great Plains Drought: The Republican River Valley, 1870-1900," in *The Great Plains: Environment and Culture*, edited by Brian W. Blouet and Frederick C. Luebke (Lincoln: University of Nebraska Press, 1979), pp. 43-59.

### Reviews

Approximately 25 reviews published in *Journal of Historical Geography*, *Great Plains Quarterly*, *Western Historical Quarterly*, *Nebraska History*, *International Migration Review*, *Plains Anthropologist*, and *IA: The Journal of the Society for Industrial Archaeology*.

### Papers Presented

Approximately 30 papers presented in Germany, Czech Republic, Canada, Barbados, and the U.S., including to the Association of American Geographers, the International Geographical Union, Western History Association, American Society for Engineering Education, Society for Risk Analysis, and the Eastern Historical Geography Association.

### **Public Service**

Michigan Association of School Boards, Board of Directors, 1992-present; President, 1999-2000  
Convener and Chair, Michigan Education Accountability Task Force, 1999-2001  
Houghton-Portage Township School Board, 1988-present; President, 1997-2000; 2006-present  
Copper Country Association of School Boards; President, 1999-2000

### **Selected Professional Activities**

Association of American Geographers  
International Research and Scholarly Exchange Committee, 1994-2000  
Chair, Rural Development Specialty Group, 1994-98

Manuscript Referee for:

<i>Great Plains Research</i>	<i>Great Plains Quarterly</i>
<i>Journal of Geography</i>	<i>Agricultural History</i>
<i>Professional Geographer</i>	<i>Journal of Soil and Water Conservation</i>
Johns Hopkins University Press	Prentice-Hall
Oxford University Press	University of Nebraska Press
John Wiley & Sons	Harper Collins
McGraw-Hill	W. H. Freeman & Co.

Proposal Referee for:

National Science Foundation

Smithsonian Institution

**MARK ROULEAU**  
Department of Social Sciences  
Michigan Technological University  
Houghton, MI USA 49931  
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mdroulea@mtu.edu

## **EDUCATION**

- Present **George Mason University**  
PhD Computational Social Science
- 5/2006 **University of Delaware**  
MA Political Science and International Relations
- 5/2004 **Michigan Technological University**  
BS Computer Science (Minor in Social Sciences)

## **EXPERIENCE**

- 8/2007 – 8/2009 **George Mason University**  
***Funded by the Office of Naval Research (MURI)***  
(Partners: Yale University and the U.S. Dept. of State)  
**Research Assistant**  
Developed a computer simulation that explored the interplay between environmental constraints and civil unrest/war using Agent-Based Modeling.
- 5/2007 – 8/2007 **U.S. Department of Agriculture**  
**Assistant Economist**  
Led a pilot study investigating the application of Agent-Based Modeling in the development of water quality trading markets. Also involved in efforts to assess the economic impact of ethanol transportation to fueling facilities.
- 7/2006 – 7/2007 **George Mason University**  
***Funded by The Joyce Foundation***  
(Partner: Harvard University)  
**Research Assistant**  
Developed an automated voter-redistricting program utilizing computational optimization techniques (i.e. Simulated Annealing).
- 8/2004 – 5/2006 **University of Delaware**  
***Funded by The National Science Foundation***  
**Research Assistant**  
Developed an Agent-Based Model to investigate the emergence of international environmental norms and to assess their impact upon international climate change and global warming negotiations.

## AWARDS

- Nominated Outstanding Teaching Assistant (*Fall 2005*)
- Recognition of Outstanding Research at George Mason (*Fall 2008*)
- Selected as George Mason's representative to Virginia's Outstanding Research forum (*February 2009*)

## PUBLICATIONS

- 2010 (In Press) Cioffi-Revilla, Claudio and Mark Rouleau. "MASON RebeLand: An Agent-Based Model of Politics, Environment, and Insurgency," *International Studies Review (Special Issue) Vol. 12, No. 1*.
- 2009 (July) Rouleau, Mark et al. "Conflict in Complex Social-Natural Systems: Using Agent-Based Models to Understand the Behavioral Roots of Social Unrest within the Mandera Triangle," *Proceedings of the 2009 Human Behavior-Computational Intelligence Modeling Conference*.
- 2009 (July) Cioffi-Revilla, Claudio and Mark Rouleau. "MASON AfriLand: A Regional Multi-Country Agent-Based Model of Eastern Africa with Cultural and Environmental Dynamics," *Proceedings of the 2009 Human Behavior-Computational Intelligence Modeling Conference*.

## PAPERS & POSTERS PRESENTED

- 2009 (Oct.) Rouleau, Mark. "Institutional Complexity and Change: Using Agent-Based Modeling to Explore Foreign-Policy Development in the European Union," *presented at the October meeting of The Dynamics of Institutions and Markets in Europe (DIME) in Maastricht, Netherlands*.
- 2009 (April) Kennedy, W., Mark Rouleau, et al. "Multiple Levels of Cognition within Agent-Based Modeling," *presented at the Eighteenth Conference on Behavior Representation in Modeling and Simulation (BRIMS) in Sundance, UT*.
- 2009 (Feb.) Cioffi-Revilla, Claudio and Mark Rouleau. "MASON RebeLand: An Agent-Based Model of Politics, Environment, and Insurgency," *presented at the February meeting of the International Studies Association (ISA) in New York, NY*.
- 2009 (Feb.) Rouleau, Mark. "Agent-Based Modeling in the Social Sciences," *presented at the Virginia Outstanding Research Forum in Richmond, VA*.
- 2006 (July) Rouleau, Mark, et al. "Better Automated Re-Districting (BARD)," *presented at the summer meeting of the Society for Political Methodology in University Park, PA*.
- 2005 (Nov.) Rouleau, Mark. "Norm Complexity: Foreign Policy Conflict in the European Union," *presented at the November meeting of the International Studies Association Northeast in Philadelphia, PA*.

**Deb Ranjan Sinha**  
Department of Social Sciences  
Michigan Technological University  
Phone: 906-487-1843  
**Email:** debsinha@mtu.edu  
**Internet:** www.singho.net/deb

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### EDUCATION

- |      |   |
|------|---|
| 2009 | <i>Ph.D. Geography</i> , Graduate School of Geography, Clark University, Worcester, USA.                                  |
| 2003 | <i>M.A. Geography</i> , Department of Geography, University of Illinois, Urbana-Champaign, USA.                           |
| 1998 | <i>M.S. Ecology</i> , Salim Ali School of Ecology and Environmental Sciences, Pondicherry University, Pondicherry, India. |
| 1996 | <i>B.Sc. (Honors) Zoology</i> , Hindu College, University of Delhi, New Delhi, India.                                     |

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### AREAS OF SPECIALIZATION

- Political Ecology (Third World, First World, Urban)
- Geography of Development
- Environmental History
- Spatial Analysis & Modeling using GIS

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### ACADEMIC ACHIEVEMENTS

#### Publications

##### Peer-reviewed Publications

- Schweik, Charlie, Harini Nagendra and Deb Ranjan Sinha (2003) *Using Satellite Imagery to Locate Innovative Forest Management Practices in Nepal*. *Ambio*, Vol. 32 (4), 312-319.

##### Thesis and Dissertation

- Ph.D. dissertation (2009) *Contaminated Futures: Economic Development through Industrialization*.
- M.A. thesis (2003) *The Socio-Spatial Limits to Community-based Forestry in the Nepal Terai: The Case of Chitwan*.
- M.S. thesis (1998) Landscape Level Correlates of Anthropogenic Disturbance in the Linganamakki Region of the Western Ghats, India.

##### Fellowship/Scholarship/Financial Aid Received

- *Pruser Holzhauer Graduate Enhancement Funds* (\$500) from Clark University.
- *Human Dimensions of Environmental Systems Scholars Fellowship* (\$5,000) from the University of Illinois, Urbana-Champaign.
- *Travel grant* (\$1,000) from the Department of Geography, from the University of Illinois, Urbana-Champaign.
- *Graduate College Fellowship* (\$1,000) from the University of Illinois, Urbana-Champaign.

- **Fred W. and Demetra Foster Fellowship** (\$1,000) from the Department of Geography at the University of Illinois, Urbana-Champaign.
- **Fellowship** (INDRs.10,000) from the French Institute of Pondicherry for Master's Thesis research.
- Recipient of **Teaching Assistantships** and **Full Tuition Waivers** from the University of Illinois and Clark University.

**Professional Membership** – Association of American Geographers.

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## PROFESSIONAL EXPERIENCE

### Research Experience

**May 2005 – July 2007**

*Research Assistant*, Strengthening Vulnerable Communities in the Worcester Built Environment Project, George Perkins Marsh Institute, Clark University

**May 2004 – April 2005**

*Brownfield Assistant*, City of Worcester, Worcester, USA.

**November 2000 – August 2001**

*GIS Consultant and Researcher*, for Center for the Study of Institutions, Populations and Environmental Change (CIPEC), Indiana University, Bloomington, USA.

**October 1999 – June 2000**

*Research Associate*, “Linking Ecology, Economics and Institutions of Forest Use in the Western Ghats of India” project, Institute for Social and Economic Change (ISEC), Bangalore, India.

### Teaching Experience

**August 2009 – ongoing**

*Assistant Professor*, Department of Social Sciences, Michigan Technological University, Houghton, USA.

**August 2008 – May 2009**

*Instructor*, Department of Geography and Urban Studies, Temple University, Philadelphia, USA.

**August 2002 – May 2004**

*Teaching Assistant*, Graduate School of Geography, Clark University, Worcester, USA.

**August 2000 – May 2002**

*Teaching Assistant*, University of Illinois, Urbana-Champaign, USA.

### Non-Profit Work Experience

**August 1998 – September 1999**

*Program Officer*, World Wide Fund for Nature – India (WWF-India), New Delhi, India. Coordinated and monitored conservation projects funded by the organization; liaised with various funding agencies regarding ongoing and future projects.

**June 1998 – July 1998**

*Research Associate*, Centre for Women's Development Studies (CWDS), New Delhi, India. Conducted literature review on the role of women in the Joint Forest Management program in the state of West Bengal, India.

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## COMPUTER SKILLS

- **GIS and Remote Sensing Softwares:** ArcGIS 9.x, ArcView 3.x, ArcInfo, ERDAS 9.x, IDRISI Taiga, SADA (Spatial Analysis and Decision Assistance).
  - **Statistical Softwares:** SPSS, S-Plus, STATISTICA.
  - **Other Softwares:** MS Office Suite, Endnote.
  - **GPS:** Garmin, Magellan and Trimble.



**Mary H. Durfee**  
Associate Professor of Government  
Department of Social Sciences  
Michigan Technological University  
Houghton, MI 49931-1295  
906-487-2112, mhdurfee@mtu.edu.

### **Education**

Ph.D. Cornell, Government, 1990.  
M.A. Cornell, 1983  
B.A. Colorado-Boulder, 1973.

### **Professional Service and Consulting**

Member, E.P.A. Science Advisory Board's Homeland Security Advisory Committee. 2005-  
Panel Reviewer, NSF: IGERT; Proposal reviewer: NSF Career Award.  
Consultant, WestED, for an NSF IGERT program review 2001-2002. Also, consulted at the ABT  
Associates IGERT Analytical Review of all three-year old grantees, June 2002.

Consultant /member of Environmental Protection Agency, Science Advisory Board, Committee on  
Environmental Engineering, Subcommittee on the Diffusion and Adoption of Innovations in Environmental  
Protection. 2000.

Visiting Professor/consultant, University of Malta, 2008-Present

### **Selected Recent Publications**

Robles, A., Mayer, A.S., and M.H. Durfee, "Community Partnered Projects: A Case Study of a  
Collaborative Effort to Improve Sanitation in a Marginalized Community in Northwest Mexico,"  
*International Journal of Sustainable Development and World Ecology*, April 2007.  
Haapala, K. R., M. J. Hutchins, J. L. Rivera, V. Kumar, A. R. Clarke, T.D. Eatmon, R. A. Harris, M. H.  
Durfee, J. R. Mihelcic, D. R. Shonnard, and J. W. Sutherland, 2007, "Education, Research, and  
Training Aspects of the Sustainable Futures NSF IGERT Project," *Proceedings of the 2007 ASEE  
North Midwest Sectional Conference*, September 20-22, Houghton, MI  
Shamir, M., Shamir, L., and M.H. Durfee, "The Application of Fuzzy Logic to the Precautionary  
Principle." *Artificial Intelligence and Law*, April 2007.  
Shamir, M. and M.H. Durfee. "Can the Great Lakes of North America Survive Globalization?" *Bilateral  
Ecopolitics*, Philippe LePrestre and Peter Stoett, editors. Ashgate: 2006.

### **Teaching**

In the past I taught Environmental Decision making, International Environmental Technology Policy, and  
co-taught with David Shonnard (Chemical Engineering) Sustainable Futures I. In spring 2010 I'll teach a  
new course, International Environmental Law and Diplomacy.

### **MS Environmental Policy Student Theses Directed**

- \*ISO 14000, by Tammy Adamec, 1997.
- \*Protecting the Public Water Supply System in City of Houghton by Managing Land Use in a Comprehensive and Coordinated Way, by Feilin Wang, 2003.
- \*The Prevention of Zebra Mussel Introduction at Isle Royale National Park: Geophysical Bases for Choice, by Lin Zhu. 2003.
- \*Public Participation and the Creation of a Sewage Lagoon in Tesopaco, Mexico by Agustin Robles Morua, 2005.
- \*The Status of the Precautionary Principle in International Law, by Mirit Shamir, J.D., 2006.
- \*Matthew Drewek, Civil Engineering, Agent-based Modeling of Human-induced Extreme Events and Civil Infrastructure. May 2007.
- \*Brian Beachy, Forestry (SFRES), Ecosystem Effects of the Beach Borer. December 2008.
- \*Helen Muga, Environmental Engineering, “An Integrated Framework for Assessing the Sustainability of Components that Make Up the Built Environment. “ 2008.
- \*Joshua Cowden, Environmental Engineering, The Impacts of Global Change on West Africa and Potential Planning and Adaptation Measures for Urban Slum Communities. 2008.
- Rodwick Barton, Chemical Engineering, Development and Modeling of Electrically Conductive Resins for Fuel Cell Bipolar Plate Applications. 2008.
  
- \* chaired.

**Louise Nelson Dyble**  
Department of Social Sciences  
Michigan Technological University  
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ldyble@mtu.edu

## **EDUCATION**

Ph. D., History, University of California, Berkeley, 2003. Dissertation: "Paying the Toll: A Political History of the Golden Gate Bridge and Highway District, 1923-1971." Urban History Association Award for Best Dissertation. Areas of Expertise: United States Political History, History of Technology, Urban/Suburban History, Environmental History, California and the West.  
M.A., History, University of California, Berkeley 1999.  
B.A., University of California, Berkeley, 1995. Magna Cum Laude. Major: History.

## **EXPERIENCE**

2009- Assistant Professor of History, Department of Social Sciences, Michigan Technological University, Houghton MI

2007-2009 Associate Director for Research, Keston Institute for Public Finance and Infrastructure Policy, School of Planning, Policy and Development, University of Southern California, Los Angeles, CA

2006-2007 Weisman Fellow, Division of the Humanities and Social Sciences, California Institute of Technology, Pasadena CA

2005-2006 Visiting Assistant Professor, St. Martin's University, Lacey WA

2003-2005 Postdoctoral Fellow, Department of Environmental Science, Policy, and Management, University of California, Berkeley.  
Henry J. Vaux Fellow (2003-2004)  
Kevin Starr Fellow in California Studies (2004-2005)

## **SELECTED PUBLICATIONS**

*Paying the Toll: Local Power, Regional Politics, and the Golden Gate Bridge.* Inaugural volume of the Series on American Business, Politics, and Society. University of Pennsylvania Press, 2009.

"Reconstructing Transportation: Linking Tolls and Transit for Place-Based Mobility," *Technology and Culture* 50 (July 2009).

"Revolt Against Sprawl: Transportation and the Origins of the Marin County Growth Control Regime." *Journal of Urban History* 34 (Nov. 2007). Michael C. Robinson Award for best essay or article in public works history.

"The Defeat of the Golden Gate Authority: the Beginning of the End of Regional Planning in the San Francisco Bay Area." *Journal of Urban History* 34 (Jan. 2008).

*The California Environmental Quality Act and Prospects for a Special State-Level Environmental*

*Court. Report*, Keston Institute for Public Financing and Infrastructure Policy, July, 2008.

*The Proposed California Transportation Finance Authority: An Analysis*. Report, Keston Institute for Public Financing and Infrastructure Policy, May, 2008.

*North of the Golden Gate: A Historical Perspective on Land Use Policy in Marin and Sonoma Counties*. Report prepared for the UC Berkeley NRI Research Group on Land Use Policy and Natural Resources in Northern California, University of California, Berkeley, 2001.

### **CURRENT RESEARCH**

*Paying for Pavement: Turnpikes, Toll Roads and Economic Ideology* - A book project exploring the changing political economy of transportation infrastructure in global context from the 1970s to the present. With funding from the Keston Institute and the Smith Richardson Domestic Public Policy Fellowship, 2008-2009.

*Indulgence or Innovation? Alternative Foods in the San Francisco Bay Area*, a collaborative book co-authored with Michael De Alessi, Sally K. Fairfax, Matthew Gerhart, Greig Tor Guthey, Lauren Gwin, and Jennifer Sokolove. Sponsored by the Department of Environmental Science, Policy and Management, UC Berkeley.

*Controlled Cornucopia: California Agriculture the Industrialization of Fruit and Vegetables in America* - A book project exploring post-1945 agricultural policy with a focus on state-level government and politics and the consolidation and standardization of production, distribution, and marketing.

### **TEACHING**

***The History of Planning and Development*. University of Southern California School of Planning, Policy and Development upper-division lecture course, Fall 2008.**

*Transportation Revolutions in American History*. California Institute of Technology freshman seminar, Winter 2007.

*U. S. Urban Politics and the Local State from the Progressive Era to the Present*. California Institute of Technology upper-division seminar, Fall 2006.

*American Environmental History*. St. Martin's University upper-division seminar, Spring 2006.

*Nineteenth Century America: Politics and Society*. St. Martin's University upper-division seminar, Spring 2006.

*United States History, 1877-present*. St. Martin's University lower-division survey, Spring 2006.

*From Railroads to Automobiles: Politics, Development, and Transportation in United States History*. UC Berkeley upper-division seminar, Fall 2000.

*San Francisco Politics, 1850-1950*. UC Berkeley senior research seminar, Spring 1999.

*United States History Survey*. Co-taught with Charles Postel. San Quentin State Prison Associate of Arts Program, Patten College, Spring 1999.

*American Government and Politics*. San Quentin State Prison Associate of Arts Program, Patten College, Spring 1998.

### **PROFESSIONAL ACTIVITIES AND SERVICE**

Board of Trustees, Public Works Historical Society, July 2009-present.

Board of Directors, Urban History Association, January 2008-present.

Society for American City and Regional Planning, Conference Arrangements Committee, 2009.

California Studies Association Steering Committee, September 2007-2009, Chair 2008-2009.

Organizing Committee for 2008 Conference, "Changing Climates: Class, Culture and Politics in an Era of Global Warming," Berkeley, CA, March 12-13, 2008.  
Kenneth Jackson Award Committee (best book), Urban History Association, 2008.  
Emerging Scholars Committee, Business History Conference, Sacramento CA, March 11, 2008.

**Fredric L. Quivik**  
Department of Social Sciences  
Michigan Technological University  
flquivik@mtu.edu

### **Education**

University of Pennsylvania, PhD, History and Sociology of Science, 1998

Columbia University, M.S. in Historic Preservation, 1977

University of Minnesota, Bach. of Environmental Design, School of Architecture, 1975

St. Olaf College, B.A. in Art, 1971

### **Recent Employment History**

Associate Professor of History, Michigan Technological University, beginning in January 2010.

Consulting Historian of Technology, expert witness work for U.S. Dept. of Justice in Superfund litigation, including the Clark Fork case (*U.S. v. ARCO*) in Montana, the Bunker Hill case (*U.S. v. ASARCO, et al*) in Idaho, the Libby case (*U.S. v. W.R. Grace*) in Montana, and the Midnite Mine case (*U.S. v. Newmont Mining Corporation*) in Washington; contract work for Defense Logistics Agency in *U.S. v. Sunoco*, the Philadelphia ground-water contamination case; contract work for the Historic American Engineering Record (HAER), including a histories of the Ford Motor Company's assembly plant and the Kaiser shipyards in Richmond, CA; 1994 to present.

Lecturer, History and Sociology of Science, University of Pennsylvania, Philadelphia, January 2006 through May 2009.

Lecturer, Interdisciplinary Studies, College of Engineering, University of California at Berkeley, January 1999 through May 2001.

Historian, Historic American Engineering Record, National Park Service, on America's Industrial Heritage Project, Jeannette, PA, June to August 1991, June to September 1992.

Architectural Historian (and founder), Renewable Technologies, Inc., Butte, MT, May 1982 to August 1990.

### **Select Scholarly Publications**

“Engineering Nature: The Souris River and the Production of Migratory Waterfowl,” forthcoming in *History and Technology*.

“Authenticity and the Preservation of Technological Systems,” *CRM Journal* (Summer 2008): 26-36.

"The Tragic Montana Career of Dr. D.E. Salmon," in *Montana: The Magazine of Western History* 57 (Spring 2007): 32-47, 92-94.

"Of Tailings, Superfund Litigation, and Historians As Experts: *U.S. v. Asarco, et al*, the Bunker Hill Superfund Case in Idaho," in *The Public Historian* 26 (Winter 2004): 81-104.

"Integrating the Preservation of Cultural Resources with the Remediation of Hazardous Materials: An Assessment of Superfund's Record," in *The Public Historian* 23 (Spring 2001): 47-61.

"Landscapes as Industrial Artifacts: Lessons from Environmental History," in *IA: The Journal of the Society for Industrial Archeology*, vol. 22, no. 2 (2000): 55-64.

"The Historic Industrial Landscape of Butte and Anaconda," in *Images of an American Land: Vernacular Architecture Studies in the Western United States*, Thomas Carter, ed. (Albuquerque: University of New Mexico Press, 1997).

### **Recent Scholarly Presentations**

"A Case for the Preservation of Industrial Waste from the Historic Copper Industry of Southwest Montana," presented at The International Conference for the Conservation of Industrial Heritage, Freiberg, Germany, September 2009.

"Addressing Global Warming by Means of History: Thinking in the Material World," presented at the Nobel Peace Prize Forum, St. Olaf College, Northfield, MN, March 2009.

"The Industrial Heritage of Energy," paper presented at "Industrial Heritage: Premises & Practices for the 21<sup>st</sup> Century," a conference at Michigan Tech, Houghton, MI, September 2009.

### **Courses Taught**

"Energy in American History" University of Pennsylvania  
"Law, Environment, and Technology in America"  
"Introduction to Environmental History"  
"History of American Technology"

"Technology and the American Experience" University of California at Berkeley  
"Technology and Society"  
"History of American Science and Technology"

"History of American Architecture" Montana State University  
"History of Gothic and Renaissance Architecture"

**Gary A. Campbell**  
School of Business and Economics  
Michigan Technological University  
1400 Townsend Drive  
Houghton, Michigan 49931-1295  
Telephone: (906) 487-2808  
e-mail: gacampbe@mtu.edu

## **EDUCATION**

Ph.D., Mineral Economics, 1982, The Pennsylvania State University.  
M.S., Economics (natural resources economics), 1980, Iowa State University.  
B.S., Economics, 1977, University of Missouri-Rolla.

## **EXPERIENCE**

1982-2008: Professor of Natural Resource Economics, Adjunct Professor of Geological Mining & Engineering & Sciences (1994-present), Michigan Technological University.

March-May 2001: Visiting Lecturer, Department of Management and Economics, China University of Mining and Technology-Beijing

May-June 1998: Visiting Lecturer, Department of Mining Engineering, University of Witwatersrand (South Africa)

1990-91: Fulbright Visiting Professor of Economics, Addis Ababa University (Ethiopia).

1981-82: Instructor of Mineral Economics, The Pennsylvania State University.

## **ADMINISTRATIVE DUTIES**

Developed and established Michigan Technological University's M.S. program in Mineral Economics (name changed to Applied Natural Resource Economics). Currently, Program Coordinator.

## **RECENT COURSES TAUGHT**

Economics of Natural Resources (undergraduate & graduate), Principles of Economics, International Economics, and Global Competition.

## SELECTED JOURNAL ARTICLES

“Corporate Social Responsibility-A Unifying Discourse for the Mining Industry.” With M. Hutchins, C. Walck, and D. Sterk, *Greener Management International: The Journal of Corporate Environmental Management and Strategy*. Issue 52, pp. 17-30, November 2007.

“Conflict over flying fish: The dispute between Trinidad & Tobago and Barbados.” with Andon Blake, *Marine Policy*, Vol. 31, pp. 327-335, May 2007.

“Transforming China’s Coal Mines: A Case History of the Shuangliu Mine.” with Creedy, Wang, Zhou, & Liu, *Natural Resources Forum*, Vol. 30, pp. 15-26, Feb. 2006.

“Urbanization and Mining: A Case Study of Michigan.” with Mark Roberts, *Resources Policy*, Vol. 29, No. 1-2, pp. 49-60, 2004.

“Economic Trends in the Platinum-Group Metals Market.” with Richard Minnitt, *Minerals & Energy*, Vol. 16, No. 4, pp. 3-12, 2001.

## SELECTED PAPER PRESENTATIONS

“Reclamation of the Flambeau Mine.” Special Session on the “Alternative Ecological Restoration Designs for Mined Landscapes: Strategies that Integrate Natural and Social Communities to Remediate Their Ecosystems at the 94<sup>th</sup> Ecological Society of America Annual Meeting, August 3, 2009. Co-authored and presented by Mark Roberts.

“Copper in the Global Economy.” Invited Opening Presentation at the ALTA 2009 Copper Conference, May 28-29, 2009, Perth, Australia with Mark Roberts. Published in the *ALTA 2009 Copper Conference Proceedings*.

“Fighting Resistance with Community Engagement: The Case of Kennecott.” Second Annual International Conference on Business & Sustainability, October 15-17, 2008, Portland State University, Portland, Oregon with Anne Hartingh.

“The Debate over the Impact of Mining on the Environment and Sustainability in the Local Community,” with Christa Walck, Presented at the Annual Society for Mining, Metallurgy and Exploration Meeting, February 27, 2008, Salt Lake City, Utah.

“Macro Trends in Copper Consumption.” Presented at Copper 2007, August 28, 2007, Toronto, Canada. Published in the *Proceedings of the Sixth International Copper-Cobre Conference*, Vol. I, pp. 487-500, 2007.

“Copper Trade Patterns of Asia.” Presented at the ALTA 2005 Conference, May 18-20, 2005, Perth, Australia. Published in the *ALTA 2005 Copper Conference Proceedings*

**William S. Breffle**

Associate Professor of Environmental Economics  
School of Business & Economics, Economics  
Michigan Technological University  
(906) 487-1959  
Email: [wsbreffl@mtu.edu](mailto:wsbreffl@mtu.edu)

**Education**

Ph D, University of Colorado at Boulder, 1999.

Major: Economics

Supporting Areas of Emphasis: Environmental and natural resource economics,  
econometrics

Dissertation Title: Issues in Recreation Demand

MA, University of Colorado at Boulder, 1992.

Major: Economics

Supporting Areas of Emphasis: International finance and trade, quantitative  
economics, econometrics

BA, University of Colorado at Boulder, 1990.

Major: Economics

**Experience**

Associate Professor – School of Business & Economics (2007-2009).

Instructor, Red Rocks Community College. (2006).

Instructor, University of Colorado at Boulder. (2006).

Managing Economist, Stratus Consulting, Inc.. (1999 - 2006).

**TEACHING**

**Michigan Tech**

EC 3001, Principles of Economics, 2 courses, Total SCH: 351.

EC 3100, International Economics, 4 courses, Total SCH: 552.

EC 4650, Environmental Economics, 1 course, Total SCH: 39.

EC 5650, Environmental Economics, 1 course, Total SCH: 15.

EC 5999, Graduate Research, 2 courses, Total SCH: 12.

**Graduate Student Advising**

Master's Thesis Committee Chair, Kristen Maroney, School of Business & Economics -  
Economics. (September 5, 2006 - May 2, 2008).

## **Selected Publications**

### **Book Chapters**

Morey, E. R., Breffle, W. S., Greene, P. A. (2008). Herriges, J., Kling, C. (Ed.), "Two Nested Constant-Elasticity-of-Substitution Models of Recreational Participation and Site Choice: An "Alternatives" Model and an "Expenditures" Model" in *Revealed Preference Approaches to Environmental Valuation* (vol. 1), Ashgate Publishing Limited.

Breffle, W. S., Morey, E. R., Lodder, T. S. (2007). Carson, R., Tietenberg, T. (Ed.), "Using Contingent Valuation to Estimate a Neighborhood's Willingness to Pay to Preserve Undeveloped Urban Land" (vol. 3), *The Stated Preference Approach to Environmental Valuation: Applications: Benefit-Cost Analysis and Natural Resource Damage Assessment*.

### **Refereed Journal Articles**

Breffle, W. S. (2009). "In pursuit of the optimal design: a guide for choice experiment practitioners", *International Journal of Ecological Economics and Statistics*, vol. 14, pp. 3-14).

Breffle, W. S., Maroney, K. K. (2009). "The restoration of fishing services and the conveyance of risk information in the southern California bight", *Marine Policy*, Vol. 33, pp. 561-570.

Thacher, J., Morey, E. R., Breffle, W. S. (2006). "Using angler characteristics and attitudinal data to identify environmental preference classes: a latent-class model", *Environmental and Resource Economics*, vol. 34, pp. 91-115.

Morey, E. R., Breffle, W. S. (2006). "Valuing a change in a fishing site without collecting characteristics data on all fishing sites: a complete but minimal approach", *The American Journal of Agricultural Economics*, Vol. 88.

### **Conference Proceedings**

Breffle, W. S. (2008). Cullen, K. (Ed.), "In Pursuit of the Optimal Design: A Guide for Choice Experiment Practitioners", W-2133 Conference Proceedings, 2008.

**Mark C. Roberts**

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Michigan Technological University  
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**EDUCATION**

- 1985.** Ph.D. (Mineral Economics). University of Arizona.  
**1978.** M.S. (Mineral Economics). University of Arizona.  
**1974.** B.S. (Mining Engineering). New Mexico Institute of Mining and Technology.

**ACADEMIC EXPERIENCE**

**School of Business and Economics, Michigan Technological University**

- 8/99 to present.** Professor of Mineral Economics  
**8/90 to 8/99.** Associate Professor of Mineral Economics.  
**8/85-8/90.** Assistant Professor of Mineral Economics.

**BUSINESS and PROFESSIONAL EMPLOYMENT**

- 4/78 - 1/80.** Mining Engineer, US. Forest Service, Tonto National Forest, Arizona.  
**6/74 – 11/75.** Mining Engineer, Duval Corporation, Sierrita and Esperanza Mines,  
Tucson, Arizona.

**SELECTED PUBLICATIONS**

- **2009.** “Synchronization and Co-Movement of Metal Prices” *Minerals and Energy: Raw Materials Reports*, Vol. 23, N. 3, pp. 105 to 118, May 2009.
- **2009.** “Duration and Characteristics of Metal Price Cycles” *Resources Policy*, Vol. 34, pp. 87 to 102, April 2009.
- **2006.** “Comparing Petroleum Fiscal Regimes Under Oil Price Uncertainty” with Andon Blake, *Resources Policy*, Vol. 31, No. 2, pp. 95 to 105, June 2006.
- **2003.** “Urbanization and Mining: A Case Study of Michigan” with Gary Campbell, *Resources Policy*, Vol. 29, No. 2, pp. 49 to 60, March 2003.
- **2002.** “Cycles in Mineral Prices.” *Mining Engineering*, Vol. 54, No. 2. 2002.
- **2001.** With Tom Merz. “Decision Making Involving Shared Costs: The Case of Sewage Treatment.” *Journal of Water Resources Planning and Management*, Vol. 127, No. 5, pp. 333 to 336, Sept./Oct. 2001.
- **1999.** “Past and Future Trends in Phosphate Use.” *Mining Engineering*, Vol. 50, No. 8. 1999.
- **1999.** With Swapan Sen and Miwaka Yamashita. “The Rewards for Environmental Conscientiousness in the US Capital Markets.” *Journal of Financial and Strategic Decisions*, Vol. 12, No. 1. 1999.
- **1996.** "Metal Use and the World Economy." *Resources Policy*, Vol. 22, No. 3. 1996.
- **1994.** "Business Cycles and Forecasts of Industrial Minerals Use." *Nonrenewable Resources*, Vol. 3, No. 4, Winter.
- **1994.** With Nurhan Davutyan. "Cyclicality in Metal Prices." *Resources Policy*, Vol. 20, No. 1, March.

- 1992. "The Material Composition of Product and New Materials." *Resources Policy*, Vol. 18, No. 2, June.
- 1990. "Predicting Metal Consumption: The Case of US Steel." *Resources Policy*, Vol. 16, No. 1, March.
- 1988. "What Caused the Slack Demand for Metals After 1974?" *Resources Policy*, Vol. 14, No. 4, Dec.
- 1988. "Assessing the Impact of the Slack Demand for Metals." *Resources Policy*, Vol. 14, No. 2, June.
- 1987. "The Consumption of Metals and International trade." *Materials and Society*, Vol. 11, No. 3, 1987.
- 1986. "An Aggregate Model of Long Term Mineral Requirements." *Materials and Society*, Vol. 10, No. 3.

#### • **SELECTED RESEARCH GRANTS**

- **2008.** MTU Faculty Development Grant Award, "Travel for Energy Economics book Research" Funded for \$3000.
- **2008.** SBE Faculty Development Grant Award, "Travel for Energy Economics book Research" Funded for \$3021.
- **1993.** with Blair Orr (Principle), John Diebel, and Jim Pickens: "Symposium on Economic Instruments for the Implementation of Zero Discharge of Persistent Toxic Chemicals in the Lake Superior Basin." Submitted to the US Environmental Protection Agency, February, 1993. Funded for \$51,088.
- **1989.** "Materials Substitutions and Trends in the Material Composition of Product." Submitted to the US Bureau of Mines, Distinguished Young Scholar Award, May, 1989. Funded for 2 years for \$30,000.

#### • **SELECTED CONSULTING**

- 2001: with Gary Campbell, "Economic Impacts of Projected Land Use Patterns for the Mineral Industry in Michigan", Michigan land Resource Project, Public Sector Consultants, Inc., Lansing, Michigan.
- 1990-93: Expert witness for Richard D. Reed, Attorney representing the Township of Republic, Michigan in litigation concerning the specific iron ore tax for the Republic Mine, Michigan.
- Winter, 1987-88: Provide an independent review of the impact of proposed mining operations on the Town of Ladysmith and Rusk County, Wisconsin (with Dr. Gary Campbell).

#### • **CURRENT INSTRUCTIONAL ACTIVITIES**

- Economic Decision Analysis (Engineering Economy)
- Econometrics
- Advanced Engineering Economy (graduate)
- Energy Economics (undergraduate)
- Energy Economics (graduate)

## Alex S. Mayer

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### Education

Brown University, Sc.B. Civil/Environmental Engineering, 1981  
University of North Carolina at Chapel Hill, M.S. Environmental Engineering, 1987  
University of North Carolina at Chapel Hill, Ph.D. Environmental Engineering, 1992

### Experience

*September 2005-present*: Director, Michigan Technological University Center for Water &  
Society  
*September 2002-present*: Professor  
*September 1998-August 2002*: Associate Professor  
*March 1992-August 1998*: Assistant Professor  
Department of Geological Engineering and Sciences  
Michigan Technological University, Houghton, MI  
*September 2000-May 2001*: Visiting Professor  
Department of Civil Engineering and Geosciences  
Technological University of Delft, Netherlands  
*August 1995-November 1995*: Visiting Professor  
Department of Chemical Engineering  
University of Sonora  
*1981-1985*: Civil Engineer  
Water Resources Projects Section, Planning Division  
East Bay Municipal Utility District, Oakland, CA

### Selected Publications (66 refereed journal articles, proceedings articles and book chapters)

- Mayer, A.S. and S.M. Hassanizadeh, *Soil and Groundwater Contamination: Nonaqueous Phase Liquids*, American Geophysical Union, Washington, CD, 2005.
- Bau, D. and A.S. Mayer, "Stochastic Management of Pump-and-Treat Strategies Using Surrogate Functions," *Advances in Water Resources*, 29, 1901–1917, 2006.
- Mayer, A.S., May, W., Lukkarila, C. and J. Diehl. "Estimation of Fault Zone Conductance by Calibration of a Regional Groundwater Flow Model – Desert Hot Springs, California," *Hydrogeology Journal*, DOI 10.1007/s10040-007-0158-0, 2007.
- Mayer, A.S. and K.L. Endres, "Simultaneous Optimization of Contaminant Source and Plume Remediation," *Journal of Contaminant Hydrology*, 91, 288-311, DOI 10.1016/j.jconhyd.2006.11.009, 2007.
- Mayer, A.S., Endres, K.L. and D.W. Hand, "Groundwater Treatment Modeling in the Optimal Design of Pump-and-Treat Groundwater Remediation Systems," *Journal of Environmental Engineering*, 133, 809-818, 2007.

- Bau, D. and A.S. Mayer, "Data-worth Analysis for Multi-Objective Optimal Design of Pump-and-Treat Remediation Systems," *Advances in Water Resources*, 30, 1815-1830, DOI 10.1016/j.advwatres.2007.02.008, 2007.
- Ilija, M., Mayer, A.S., and B.D. Solomon, "Economic Valuation of Environmental Services Sustained by Water Flows in the Yaqui River Delta," *Ecological Economics*, DOI 10.1016/j.ecolecon.2007.06.006, 2007.
- Robles, A., Mayer, A.S., and M.H. Durfee, "Community Partnered Projects: A Case Study of a Collaborative Effort to Improve Sanitation in a Marginalized Community in Northwest Mexico," *Environment, Development and Sustainability*, 11, 197-213, DOI 10.1007/s10668-007-9104-5, 2007.
- Mayer, A.S., Sandman, T., and M. Breidenbach, "The Effect of Flow Regime on Physical Non-Equilibrium Transport in Unsaturated Porous Media," *Vadose Zone Journal*, 7, 981-991, 2008.
- Bau, D. and A.S. Mayer, "Optimal Design of Pump-and-Treat Systems under Uncertain Hydraulic Conductivity and Plume Distribution," *Journal of Contaminant Hydrology*, 100, 30-46 2008.
- Mayer, A.S. and A. Muñoz Hernandez, "Integrated Water Resources Optimization Models: An Assessment of a Multidisciplinary Tool for Sustainable Water Resources Management Strategies," *Geography Compass*, 3, 1176-1195, DOI 10.1111/j.1749-8198.2009.00239.x.2009.

### **Current Research Projects**

- GK12: Global Watershed: Integrating Rural and Global Perspectives with Research and Technological Advances, PI, National Science Foundation, \$2,500,000, 9/09 to 8/14.
- Biocomplexity of Hydrological Service Payments and Watershed Sustainability in Mexico, co-PI, National Science Foundation, Planning Grant, \$38,500, 9/09 to 8/10.
- Enhancing the Capacity for Sustainable Forest Management and Ecosystem Service Provisioning in Chiapas and Oaxaca, PI, US Agency for International Development, \$290,000, 09/08 to 08/11.
- SustR: Sustainable Development for Rural Communities- Social, Health, Economic, and Environmental Advances, PI, US Department of Education, \$180,000, 09/08 to 08/12.
- Graduate Student Scholarships to Advance a Global Outlook of Economic and Social Prosperity that Protects the Environment, co-PI, National Science Foundation, Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) \$599,978, 6/08 to 5/12.
- Modeling and Analyzing the Use, Efficiency, Value and Governance of Water as a Material in the Great Lakes Region through an Integrated Approach, PI, National Science Foundation, \$1,078,000, 09/07 to 08/12.
- Sustainable Wastewater Management in the Rio Sonora Basin, Mexico, PI, Consejo Nacional de Ciencia y Tecnologia (Mexico), \$80,000, 01/04 to 12/10.

### **Selected, Past Projects**

- Watershed Management Plan for Huron Creek Watershed, PI, Michigan Department of Environmental Quality, \$74,000, 09/07 to 12/08.
- Michigan Tech-UNISON Linkage: Training a Core of Water Resources Experts, PI, U.S. Agency for International Development, \$787,000, 03/03 to 08/06.
- Multi-Objective Decision-Making for Environmental Remediation, PI, Environmental Protection Agency, \$292,000, 09/98 to 05/03.
- Multi-Scale Investigation of Mass Transfer Limitations in Surfactant-Enhanced Aquifer Remediation, PI, Environmental Protection Agency, \$474,000, 11/96 to 10/01.

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## Education

St. Anne's College, University of Oxford. Pure and Applied Biology. B.A. (Hons) 1986  
St. Anne's College, University of Oxford M.A. 1993  
Department of Zoology, University of Oxford. Forest Entomology. D.Phil. 1993

## Experience

2009 – Present Professor, Forest Insect Ecology, School of Forest Resources and Environmental Science, Michigan Technological University  
2007 – Present Director, The Honors Institute, Michigan Technological University  
2005 – 2009 Associate Professor, Forest Insect Ecology, School of Forest Resources and Environmental Science, Michigan Technological University  
2001 – 2005 Assistant Professor, Forest Insect Ecology, School of Forest Resources and Environmental Science, Michigan Technological University  
1998 - 2001 Assistant Research Entomologist, Division of Insect Biology, University of California, Berkeley.  
1999 - 2001 Instructor, Department of Landscape Horticulture, Merritt College, Oakland.  
1992 - 1997 Postdoctoral Researcher, Division of Insect Biology, University of California, Berkeley.  
1986 - 1991 Research Student and Tutor, University of Oxford.  
1988 - 1989 Wiener-Anspach Research Fellowship, University of Brussels, Belgium.  
1984 - 1986 Forestry Consultant, Crichton-Maitland and Co., Hereford, England.

## Recent Publications

- Marshall JM, AJ Storer, I Fraser, JA Beachy and VC Mastro. 2009. Effectiveness of differing trap types for the detection of emerald ash borer (Coleoptera: Buprestidae). *Environmental Entomology*, In press.
- Lilleskov EA, WJ Mattson, AJ Storer. 2008. Divergent biogeography of native and introduced soil macroinvertebrates in North America north of Mexico. *Diversity and Distributions* 14: 893–904.
- McPherson BA, N Erbilgin, DL Wood, P Svihra, AJ Storer and RB Standiford. 2008. Attraction of ambrosia and bark beetles to coast live oaks infected by *Phytophthora ramorum*. *Agricultural and Forest Entomology* 10: 315–321.
- Storer AJ, MF Jurgensen, AC Risch, J Delisle and MD Hyslop. 2008. The fate of an intentional introduction of *Formica lugubris* to North America from Europe. *Journal of Applied Entomology* 132: 276–280.
- Marshall JM, AJ Storer, and B Leutscher. 2008. Comparative analysis of plant and ground dwelling arthropod communities in lacustrine dune areas with and without *Centaurea biebersteinii* (Asteraceae). *American Midland Naturalist* 159: 261–274

- Erbilgin N, TR Gordon, DL Wood and AJ Storer. 2009. Bark beetle (Coleoptera: Scolytidae)-mediated fungal infections of susceptible trees induce resistance to subsequent infections in a dose dependent manner. *Agricultural and Forest Entomology*. In press.
- Erbilgin N, G Ritokova, TR Gordon, DL Wood and AJ Storer. 2008. The pine engraver beetles show temporal variation in their contamination with *Fusarium circinatum* in Monterey pine forest in California. *Plant Pathology* Doi: 10.1111/j.1365-3059.2008.01887.x.
- Shields JM, CR Webster and AJ Storer. 2008. Short-term community-level response of arthropods to group selection with seed-tree retention in a northern hardwood forest. *Forest Ecology and Management*, 255: 129-139.
- Opuni-Frimpong E, DF Karnosky, AJ Storer and JR Cobbinah. 2008. Key roles of leaves, stockplant age, and auxin concentration in vegetative propagation of two African mahoganies: *Khaya anthotheca* Welw. and *Khaya ivorensis* A. Chev. *New Forests* 36: 115-123.
- Risch AC, MF Jurgensen, AJ Storer, MD Hyslop and M. Schutz. 2008. Abundance and distribution of organic mound-building ants of the *Formica rufa*-group in Yellowstone National Park. *Journal of Applied Entomology*. 132: 326-336.

### **Synergistic Activities**

- 1) Director of the Honors Institute at Michigan Technological University. This institute encourages undergraduates to develop research and other professional experience during their undergraduate career.
- 2) Grant Proposal Reviews: NSF Population and Evolutionary Processes, NSF Ecosystem Sciences, USDA Small Business Innovation Research (SBIR) program, NSF Ecology: Panelist, 2006, 2008
- 3) Member of the editorial board of the *Journal of Pest Science* (Springer). Subject editor for Forest Entomology
- 4) Active research in forest health and educational programs in global technological leadership in Ghana.
- 5) Manuscript reviews for journals including Journal of Chemical Ecology, Environmental Entomology, Forest Ecology and Management, Journal of Economic Entomology, Ecological Entomology, Ecological Applications, Journal of Applied Ecology, Pan-Pacific Entomologist.

### **Collaborators and other affiliations**

#### a) Collaborators and coeditors

Abeney, EA (Forest Research Institute of Ghana), Bonello, Pierluigi (The Ohio State University), Cobinnah J.R. (Forest Research Institute of Ghana), Delisle, J. (Natural Resources Canada), Erbilgin, N. (University of Edmonton), Gordon, Thomas R. (University of California, Davis), Hyslop, MD (Michigan Technological University), Jurgensen MF (Michigan Technological University), Karnosky, David (Michigan Technological University), Marshall, J.M. (Michigan Technological University), McNee, William R. (Wisconsin Department of Natural Resources), McPheron, Brice A. (University of California, Berkeley), McCullough, Deborah (Michigan State University), Nagel, Linda M. (Michigan Technological University), Opuni-Frimpong, E. (Forest Research Institute of Ghana), Risch, AC (Swiss Federal Institute for Forest, Snow and Landscape Research), Ritokova, G. (UC Davis), Standiford, Richard B. (University of California, Berkeley), Schutz M (Swiss Federal Institute for Forest, Snow and Landscape Research), Shields JM (Michigan Technological University), Webster, CR (Michigan Technological University), Witter John A. (University of Michigan), Wood, David L. (University of California, Berkeley).

#### b) Graduate and Postdoctoral Advisors

Graduate: Martin R. Speight, University of Oxford; David Wainhouse, Forest Research, England

Postdoctoral: David L. Wood, UC Berkeley; Thomas R. Gordon, UC Davis