

**CURRICULUM VITAE  
KATHLEEN E. HALVORSEN  
March 2011**

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**Professor of Natural Resource Policy**

Joint Appointment to the Department of Social Sciences (2/3) and  
the School of Forest Resources and Environmental Science (1/3) and  
with an additional appointment to the Environmental Engineering and Decision-making  
(EPD2) Faculty at Michigan Technological University

**EDUCATION**

- Ph.D. 1996** *Forest Resource Management.* University of Washington, College of Forest Resources, Seattle, Washington. Dissertation: *Employee Responses to the Incorporation of Environmental Complexity into the USDA Forest Service.*
- M.S. 1992** *Environmental Science.* State University of New York, College of Environmental Science and Forestry, Environmental Science Department. Syracuse, New York.
- B.S. 1989** *Political Economy of Natural Resources with Honors.* University of California at Berkeley, College of Natural Resources, Department of Agricultural and Resource Economics. Berkeley, California.

**POSITIONS**

- 1995 - Present *Full Professor of Natural Resource Policy (2010 – Present), Associate Professor (2002 – 2010), Assistant Professor (1996 – 2002), Instructor (1995 – 1996), Michigan Technological University.*
- 2003 - 2009 Director, Environmental Policy Graduate Program
- 2010 - 2011 National Academy of Sciences, National Research Council Committee on Economic and Environmental Impacts of Increasing Production of Biofuels.
- 2011-2014 International Union of Forest Research Organizations (IUFRO). Member of Task Force on Forests and Water.

## SCHOLARSHIP

### Peer Reviewed Articles (\* Supervised graduate student)

Kozich\*, A.T. , and K.E. Halvorsen. Compliance with Wetland Mitigation Standards in the Upper Peninsula of Michigan, USA. Submitted to *Environmental Management* November, 2010. Under Review. (**\*I am the advisor for this doctoral student in Forest Science**)

Robles Morua\*, A., **K.E. Halvorsen**, and A.S. Mayer. 2011. Waterborne Disease-Related Risk Perceptions in the Sonora River Basin, Mexico. *Risk Analysis* In Press. Online First. (**\* I co-advised this doctoral student in Environmental Engineering with my hydrologist colleague, Alex Mayer**)

**Halvorsen, K.E.**, T.A. Selfa, D.S. Becker, and C. Hinrichs (eds). 2011. **Special Issue:** Socioeconomic Dimensions of U.S. Bioenergy. *Biomass and Bioenergy* 35(4).

Jensen\*, J.E., **K.E. Halvorsen**, D.R. Shonnard. 2011. Cellulosic Ethanol, U.S. Federal Energy and Agricultural Policy, and the Diffusion of Innovation. **Special Issue:** Socioeconomic Dimensions of U.S. Bioenergy. *Biomass and Bioenergy* 35(4)1454-1464. (**\*this doctoral student just graduated with a degree in Chemical Engineering**)

Johnson, D., K.E. Halvorsen, B.D. Solomon. 2011. U.S. Upper Midwestern Consumers and Ethanol: Knowledge, Beliefs and Consumption. **Special Issue:** *Socioeconomic Dimensions of U.S. Bioenergy* 35(4) 1440-1453.

Becker, D.R., S. McCaffrey, P. Jakes, **K.E. Halvorsen**, and C. Moseley. 2011. Conventional Wisdoms of Woody Biomass Utilization on Federal Public Lands. *Journal of Forestry*. **In Press.**

Becker, D.R., K. Skog, A. Hellman, **K.E. Halvorsen**, and T. Mace. 2009. An Outlook for Sustainable Forest Bioenergy Production in the Lake States. *Energy Policy* 37:5687–5693.

**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)931-938.

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 on Sustainable Transportation Utilizing Fuels and Co-Products from Forest Resources. *SAE (Society of Automotive Engineers) Convergence*. Peer Reviewed SAE Technical Paper 2008-21-0026. (**\*this doctoral student just graduated with a degree in Chemical Engineering, my co-authors on this article come from Chemical Engineering, Mechanical Engineering, Forest Resources, and Civil and Environmental Engineering**)

Solomon, B. 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.**, and H.S. Gorman. 2006. Onsite Sewage System Regulation along the Great Lakes and the USEPA "Homeowner Awareness" Model. *Environmental Management*. 37(3)395-409.

Gorman, H.S., and **K.E. Halvorsen**. 2006. The Regulation of Alternative Onsite Wastewater Treatment Systems in the Great Lakes Region. *Small Flows Quarterly* 7(1)23-37.

Solomon, B.D., C. Corey\*, and **K.E. Halvorsen**. 2004. The Safe Minimum Standard and Eco-Tourism: A Case Study of the Florida Manatee. *Ecological Economics*. 50(1-2)101-115.

Hornyak\*, M.M., and **K.E. Halvorsen**. 2003. Wetland Mitigation Compliance in the Western Upper Peninsula of Michigan. *Environmental Management*. 32(5)535-540.

**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. Relationships between National Forest System employee diversity and beliefs regarding external interest groups. *Forest Science* 47(2)258-269.

**Halvorsen, K.E.** 2001. Assessing Public Participation Techniques for Comfort, Convenience, Satisfaction, and Deliberation. *Environmental Management* 28(2)179-186.

T.K. Tokunaga, D.S. Lipton, S.M. Benson, A.W. Yee, J.M. Oldfather, E.C. Duckart, P.W. Johannis and **K.E. Halvorsen**. 1991. Soil selenium fractionation, depth profiles and time trends in a vegetated site at Kesterson Reservoir. *Water, Air, and Soil Pollution*. 57-8(1)31-41.

### Book Chapters

Solomon, B.D., J.R. Barnes\* and **K.E. Halvorsen**. 2008. From grain to cellulosic ethanol: History, economics and policy. In B.D. Solomon and V.A. Luzadis, eds. *Renewable Energy From Forest Resources in the United States* (Oxfordshire: Routledge). Pp. 49-66.

Solomon, B.D. C.M. Corey\* and **K.E. Halvorsen**. 2007. Safe minimum standard analysis of the Florida manatee. In J.D. Erickson and J. Gowdy, eds. *Frontiers in Ecological Economic Theory and Application*. (Williston, VT: Edward Elgar). pp. 101-115.

**Halvorsen, Kathleen E.** 1999. The Sociology of Natural Resource Conflicts. in D. Dunn and D.V. Waller, eds. *Analyzing Social Problems*. 2<sup>nd</sup> Edition. (Upper Saddle River, NJ: Prentice Hall). Pp. 213-223.

### Book Reviews

- 2010 Reviewed *Global Environmental Forest Policy: An International Comparison* for Choice: PubSys.
- 2010 Reviewed *Roadless rules: The struggle for the last wild forests*. For *Human Dimensions of Wildlife* 15(1)73-74.
- 2009 Reviewed *The Greening of the U.S. Military: Environmental Policy, National Security, and Organizational Change*. *Society and Natural Resources*. 22(3)292-294.
- 2006 Reviewed *Vicious: Wolves and Men in America*. *Human Dimensions of Wildlife*. 11(4)299-300.
- 2001 Reviewed *Don't Breathe the Air: Air Pollution and U.S. Environmental Politics, 1945-1970*. *New York History*.
- 1999 Reviewed *Wilderness by Design* in *North Carolina Historical Review*. In *North Carolina Historical Review*. July 1999. LXXVI(3)360-361.

### Proceedings, Reports, and Institute Papers:

- 2009 Becker, Dennis, R., Dalia Abbas, **Kathleen E. Halvorsen**, Pamela J. Jakes Sarah M. McCaffrey, and Cassandra Moseley. 2009. **Characterizing Lessons Learned from Federal Biomass Removal Projects**. Joint Fire Science Program (USDA Forest Service and USDI Bureau of Land Management). JFSP Project 07-3-2-08.
- 2009 Dennis R. Becker, Paul DeLong, **Kathleen E. Halvorsen**, Kenneth Skog, Allison Hellman and Terry Mace. The Lake States Outlook for Sustainable Forest Bioenergy and Biofuels Production. In Alaric Sample (Ed). *The Future of Wood Bioenergy in the United States: Defining Sustainability, Status, Trends and Outlooks for Regional Development*. (Pinchot Institute: Washington DC).

- 2008 David R. Shonnard, Jeffrey D. Naber, Qiong Zhang, Ann L. Maclean, **Kathleen E. Halvorsen**, and John W. Sutherland. **Wood to Wheels: A Multidisciplinary Research Initiative in Sustainable Transportation Utilizing Fuels and Co-products from Forest Resources.** In Author: Zalesny, Ronald S., Jr.; Mitchell, Rob; Richardson, Jim, (eds.) *Biofuels, bioenergy, and bioproducts from sustainable agricultural and forest crops: proceedings of the short rotation crops international conference.* Source: Gen. Tech. Rep. NRS-P-31. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. Pp. 53.
- 2004 **Strengths and Weaknesses of Great Lakes Onsite Sewage System Regulatory Programs.** **K.E. Halvorsen**, H.S. Gorman, and K. Bradof. Michigan Technological University.
- 1994 **Policies and Mythologies of the US Forest Service: A Conversation with Employees.** Research Report for: Director, Pacific Northwest Experiment Station and Chief, USDA Forest Service. (By Research Team: Brian J. Boyle, Dr. Margaret A. Shannon, Robert A. Rose, **Kathleen E. Halvorsen**, Dr. H. Stuart Elway).
- 1994 **Principles of Sustainability.** Institute Research Report. Social Science Research Group. Institute for Resources in Society, College of Forest Resources, University of Washington. (Social Science Research Group consists of Alex Antypas, **Kathleen Halvorsen**, Ajit Krishnaswamy, Rebecca McLain, Leanne Schroeder, Dr. Margaret A. Shannon, Gordon Smith).
- 1993 **State Forest Practices Throughout the United States: A Review of Forest Laws, Practices Acts and Best Management Practices.** For the American Forest and Paper Association and Wisconsin Paper Council. Washington, D.C. (Co-authors: Scott Berg, Earl Gustafson and Elizabeth Miley).

**RECENT FUNDED GRANTS**

<b>Title</b>	<b>Sponsor</b>	<b>Start &amp; End Date</b>	<b>Amount</b>
<b>NSF WSC 1: Humans, Hydrology, Climate Change, and Ecosystems - An Integrated Analysis of Water Resources and Ecosystem Services in the Great Lakes Basin (Planning Grant) (Co-PI, PI Alex Mayer, Civil and Environmental Engineering)</b>	NSF Water, Sustainability, and Climate Program	2010-2011	\$162,000
<b>NSF IDR: Sustainable Water Resources Scenarios for Rural Communities under Climate Change: Can State-of-the-Art Forecast Tools Provide Feasible Outcomes in Data Sparse Regions? (Co-PI, PI Alex Mayer, Civil and Environmental Engineering)</b>	NSF Interdisc. Research Program	2010-2013	\$317,000
<b>NSF GK12: GlobalWatershed: Integrating Rural and Global Perspectives with Research and Technological Advances (Senior Personnel, PI Alex Mayer, Civil and Environmental Engineering)</b>	NSF GK12	2009-2014	\$2,500,000
<b>NSF OISE: Biocomplexity of Hydrological Service Payments and Watershed Sustainability in Mexico (Senior Personnel, PI Heidi Asbjornsen, Forest Ecologist, Iowa State)</b>	NSF OISE	June 1, 2009-May 31, 2010	\$34,600
<b>TIES: Enhancing the Capacity for Sustainable Forest Management in Chiapas and Oaxaca (June 19, 2008) (Co-PI, PI Alex Mayer Civil and Environmental Engineering)</b>	USAID TIES	January 1, 2009 - December 31, 2011	\$249,999
<b>Center for Energy Excellence for Cellulosic Ethanol: Project 2: Increasing availability of feedstocks and ensuring sustainability (Co-PI, PI Robert Froese, Biometrician)</b>	Michigan Economic Development Corps	March 1, 2009-February 28, 2011	\$520,894
<b>MUSES:Biocomplexity: Lignocellulosic ethanol in the upper Midwest (Co-PI, Ann Maclean PI)</b>	NSF MUSES	2005-10	\$1,700,000
<b>Cellulosic Ethanol Potentials and Obstacles in the Upper Midwestern United States (PI)</b>	USDA McIntire-Stennis	2006-10	\$28,000

<b>MTU Women and Minority Scholar Grant to Fund Chinese Academy of Forestry Bioenergy Scientist Dr. Hu Yanjie Visit</b>	Michigan Technological University	2010	\$1750
<b>JFSP: Characterizing Lessons Learned from Federal Biomass Removal Projects. (Co-PI, PI Dennis Becker, U of MN)</b>	Joint Fire Science Program/USFS/BLM	2007-9	\$187,502
<b>NSF: Engaging Social Scientists in the WATERS Initiative (Co-PI, PI Alex Mayer, Civil and Environmental Engineering)</b>	NSF	2008-9	\$10,600
<b>The Effect of Climate Change Beliefs and Values on Support/Use of Alternative Fuels Like Cellulosic Ethanol (Co-PI, PI Joseph Dammel, undergrad, Civil and Environmental Engineering)</b>	NSF SURF (MTU competition)	2008	\$3000
<b>Social Effects of Lignocellulose Biofuel Production in the Upper Midwest (Co-PI, PI Stuart Kramer, undergrad in Applied Ecology)</b>	NSF SURF (MTU competition)	2007	\$3000
<b>Creation of Center for Water and Society (Co-PI, PI Alex Mayer, Civil and Environmental Engineering)</b>	MTU Research Excellence Fund	2005-6	\$55,000
<b>Wind Energy in the Upper Midwest (PI)</b>	MTU Faculty Development Grant	2006-7	\$1000
<b>Land Use Planning in the Western Upper Peninsula of Michigan (PI)</b>	USDA McIntire Stennis:	2003-6	\$21,000
<b>Lignocellulosic ethanol in the Upper Midwest (Co-PI)</b>	NSF MUSES Planning Grant	2004-5	\$114,498
<b>Gaps in Great Lakes Septic Regulatory Programs (PI)</b>	Joyce Foundation	2002-4	\$81,000

PENDING PROPOSALS

<b>Title</b>	<b>Sponsor</b>	<b>Project Start &amp; End Date</b>	<b>Amount Requested</b>
<b>Green Biodiesel Wood to Wheels Engineering and Science Center (Recommended for Funding, Pending Final Decision December 2010)</b>	NSF Engineering Research Center	2011-2016	\$40,000,000

RECENT SUBMITTED AND REJECTED PROPOSALS

Title	Sponsor	Project Start & End Date	Amount
<b>Development of Science, Technologies, and Strategic Decision Making Methods for Sustainability:</b> Invited Full Proposal. (Co-PI)	NSF IGERT	2010-2015	\$3,000,000
<b>NSF-Program in International Research and Education (PIRE):</b> Invited Full Proposal (Co-PI)	NSF International Programs Office	2010-2015	\$8,000,000
<b>Cyber-infrastructure for Sustainability Simulation (CSS)</b> (Senior Personnel)	NSF Cyber-infrastructure (CRI)	2010-2015	\$5,000,000
<b>Michigan Technological University Wind Power Efficiency and Reliability</b> (Co-PI)	USDOE	2010-2015	\$8,000,000
<b>Wood-to-Wheels (W2W): Center for Sustainable Forest-Based Biofuels Transportation Systems (Senior Personnel) Invited Full Proposal</b>	NSF STC	2010-2015	\$25,000,000
<b>Impacts of wood harvest for bioenergy on land use/land cover and biodiversity in the Upper Peninsula of Michigan</b> (Co-PI)	USDOE/ USDA	2009-2012	\$1,384,332
<b>Social Drivers and Ecological Sustainability of Intensive Forest Management for Bioenergy</b> (Co-PI)	NSF CNH	2009-2013	\$ 1,223,065
<b>PIRE (ESE): Integrating Social and Physical Scientific Understanding of Natural Hazards and Risk Perceptions in Latin America</b> (Co-PI)	NSF PIRE (ESE)	2010-1015	\$8,000,000
<b>EFRI-RESIN: Invited Full Proposal: Development of Resilient and Sustainable Cellulosic Biofuels Production Infrastructures in the Upper Midwest</b> (Co-PI)	NSF EFRI-RESIN	2009-2012	\$2,000,000

**Recent Conference Papers, Posters, and Sessions:**

- 2011 **Invited Presentation** at Swedish Agricultural University, Alnarp, Sweden, Department of Forest Resources. *US Bioenergy Development*. March 2.
- 2011 **Invited Lectures** on US Forest Policy in Euroforester Forest Policy Graduate Course, Swedish Agricultural University, Alnarp, Sweden.
- 2010 **Invited Presentation** at UC Berkeley Bioeconomy Conference. **U.S. Forest Policy and Bioenergy Development**. June. Berkeley, CA.
- 2010 Presentation at International Symposium on Society and Resource Management, Corpus Christi, TX. June. **Balancing Wildlife and Bioenergy Management**. Lead author: Karl J. Makinen\*.
- 2010 Presentation at International Symposium on Society and Resource Management, Corpus Christi, TX. June. **Michigan's Wetland Mitigation Policies**. Lead author: Andrew T. Kozich\*.
- 2009 **Invited Presentation** at Oak Ridge National Laboratory, Bioenergy and Sustainability Symposium, Oak Ridge, TN. **Title: Social Dimensions of Sustainable United States Bioenergy Development**. October.
- 2009 **Invited Presentation** at Chinese Academy of Forestry, Forest Policy and Information Institute, Beijing, China. **Title: United States Bioenergy Development and Policy**. July.
- 2009 Presentation on **U.S. Upper Midwestern Farm and Forest Landowners and Biofuels Production** at the International Symposium on Society and Natural Resource Management, Vienna, Austria. July.
- 2009 Co-organizer (with H. Asbjornsen) and Moderator for Session on the **Payment for Hydrologic Services** at the Ecological Society of America Conference, Albuquerque, NM. August.
- 2009 Panelist (with T. Rudel) **Global Climate Change, Landscape Changes, and Rural Societies** at Rural Sociological Society Annual Meeting, Madison, WI. August.
- 2009 **Invited Presentation** at Forest-Based Bioenergy Workshop, Marquette, MI, March. **Title: Policies, Perceptions, and Wood-based Bioenergy**.
- 2009 **Invited Participant**, National Science Foundation, **WATERS Program Social Science Dimensions Workshop**. January. Tampa, FL.

- 2008 Poster Presentation, Behavior, Energy, and Climate Change Conference, Sacramento, CA. November. **Title: Perceptions of Climate Change and Support for Mitigation. Authors: Kathleen E. Halvorsen, Andrew T. Kozich\*, Joseph A. Dammal\*\*, Smriti Dahal\*, Stuart M. Kramer\*\*.**
- 2008 **Invited Keynote Speaker:** US Departments of Energy and Agriculture **Sustainability of Biofuels Workshop.** October. Bethesda, MD. **Title: Sociopolitical Dimensions of Cellulosic Ethanol.**
- 2008 Presentation at Society for Human Ecology Conference, Bellingham, WA. October. **Title: Climate Change-related Cultural Models and Support for Biofuel Development.**
- 2008 **Lead Organizer,** Five Sessions on the Social Dimensions of Bioenergy, International Symposium on Society and Resource Management, Burlington, VT, June. **Title: The Social Dimensions of Bioenergy. (with Dennis S. Becker, Clare Hinrichs).**
- 2008 International Symposium on Society and Resource Management, Burlington, VT, June. **Presentation: Beliefs Regarding Climate Change Causes and Mitigation. Authors: Kathleen E. Halvorsen, Andrew T. Kozich\*, Joseph A. Dammal\*\*, Smriti Dahal\*, Stuart M. Kramer\*\*.**
- 2008 International Symposium on Society and Resource Management, Burlington, VT, June. **Poster: Global Threats to Lake Superior. Authors: Joe A Dammal\*\*, Genevieve Borg\*, Mel Visser, Alex S. Mayer, and Kathleen E. Halvorsen.**
- 2008 International Symposium on Society and Resource Management, Burlington, VT, June. **Workshops: National Science Foundation WATERS Program. Organizers: Alex S Mayer, Kathleen E Halvorsen, William Freudenberg.**
- 2008 International Symposium on Society and Resource Management, Burlington, VT, June. **Presentation: Policy Dimensions of Bioenergy. Authors: Kathleen E. Halvorsen.**
- 2008 International Symposium on Society and Resource Management, Burlington, VT, June. **Presentation: Water-related Risk Perceptions in Sonora, Mexico. Authors: Augstin, Robles Morua\*, Kathleen E. Halvorsen, and Alex S. Mayer.**
- 2007 Presentation at Society for Human Ecology Conference in Rio de Janeiro, Brazil, October. **Title: Specialists, Cultural Models of Biofuels and Climate Change Mitigation Policies. (Kathleen E. Halvorsen, Smriti Dahal\*, Stuart Kramer\*, Andrew Kozich\*, and Barry S. Solomon)**

- 2007 Presentation at International Symposium on Society and Resource Management Conference at Park City, UT. June. **Title: Cultural Models of Biofuels and Climate Change Mitigation Policies. (Kathleen E Halvorsen, Smriti Dahal\*, Stuart Kramer\*, and Barry S. Solomon).**
- 2007 Presentation at International Symposium on Society and Resource Management Conference at Park City, UT. June. **Title: Michigan State Watershed Management Policies and Local Watershed Groups (Gerald K. Greer\*, Kathleen E. Halvorsen, Alex S. Mayer, Julia Kalloz\*).**
- 2007 Presentation at International Symposium on Society and Resource Management Conference at Park City, UT. June. **Title: Nepali Community Forestry and a Case Study of a Women's Forest User Group. (Smriti Dahal\* and Kathleen E Halvorsen).**
- 2007 Presentation in Teaching Workshop at International Symposium on Society and Resource Management Conference at Park City, UT. June. **Title: Integrating Society and Environment.**
- 2007 **Invited Presentation** to Colegio de Sonora, Hermosillo Mexico Watershed Management Certificate Graduate Program. April. **Title: Consejos de Cuenca de Agua en los Estados Unidos y en el Estado de Michigan: Su Organización y Éxito.** (Translation: US and Michigan Watershed Groups and Success). **(with Gerald K. Greer\*, Julia A. Kalloz\*\*, and Alex S. Mayer).**
- 2006 Invited Presentation to the International Joint Commission Great Lakes Advisory Board, Syracuse NY. At the "The State of Groundwater in the Great Lakes Basin" Workshop. June. **Title: Great Lakes On-Site Waste Water System Regulations (with Hugh S. Gorman).**
- 2006 Organized Session at International Symposium on Society and Resource Management, Vancouver BC. June. **Title: Policy Dimensions of Renewable Energy Policy (with Barry D. Solomon).**
- 2006 Paper Presentation at International Symposium on Society and Resource Management, Vancouver BC. June. **Title: Cellulosic Ethanol and Land Management Policies and Goals (with Justin R. Barnes\* and Barry D. Solomon).**
- 2006 Paper Presentation at International Symposium on Society and Resource Management, Vancouver BC. June. **Title: Biomass Energy Policy: From Grain to Cellulosic Ethanol (with Justin R. Barnes\* and Barry D. Solomon).**

- 2006 Invited Keynote Speaker, Michigan Onsite Wastewater Treatment Conference, Lansing, MI. January. **Title: Strengths and Weaknesses of Michigan and Great Lakes Onsite Wastewater Regulatory Programs (with Hugh S. Gorman).**
- 2006 Paper Presentation at Association of American Geographers, Chicago IL, **Title: Biomass energy policy: from grain to cellulosic ethanol. (with Barry Solomon and Justin Barnes\*).**

\* Supervised \*graduate or \*\*undergraduate student.

**Graduate Students Advised:**

**Doctoral:**

Aparajita Banerjee, Current PhD Student in Environmental and Energy Policy, Social Sciences.

Andrew Kozich, Current PhD Student in Forest Sciences, SFRES.

Agustin Robles Morua, 2010 PhD in Environmental Engineering, Co-advised with Alex S. Mayer. **Dissertation Title:** Integrated Water and Sanitation Solutions for the Upper Sonora River Basin (Northwest, Mexico).

**Masters:**

Tonis Tonisson, Current MS Student in Forest Ecology and Management (MTU) and MS in Forestry (Swedish Agricultural University). Atlantis Exchange Student.

Ellen Brenna, Current MS Student in Environmental Policy, Department of Social Sciences

Ellis Adams, Current MS Student in Environmental Policy, Department of Social Sciences

Brian Pattullo, Current Masters Student in Environmental Policy, Department of Social Sciences.

Karl Makinen, 2010 MS in Environmental Policy, Department of Social Sciences. **Thesis Title:** Balancing Wildlife and Bioenergy on Private Forestlands.

Christopher Hohnholt, Masters Student in Environmental Policy, Department of Social Sciences. (2009)

Susan Balint, 2009. MS in Environmental Policy, Department of Social Sciences. **Thesis title:** *Federal and State Policy Influence on Woody Biomass Utilization.*

Andrew Kozich, 2009. MS in Environmental Policy, Department of Social Sciences. **Thesis title:** *Wetland Mitigation in Michigan's Upper Peninsula: Compliance with Site Monitoring and Invasive Plant Species Standards.*

Gerald Greer, 2007. MS in Environmental Policy, Department of Social Sciences. Thesis title: *Barriers Impeding Success of Local Watershed Groups in Michigan's Upper Peninsula*.

Smriti Dahal, 2007. MS in Environmental Policy, Department of Social Sciences. Thesis title: *Nepali Community Forestry and a Case Study of a Model Women's Forest User Group*.

Joy Wang, 2005. MS in Environmental Policy, Department of Social Sciences. Thesis title: *Non-agricultural Uses of Farmland and Official Decision Making Regarding Farmland Uses in China*.

Robert Staves, 2005. MS in Environmental Policy, Department of Social Sciences. Project Paper Title: *Environmental Justice, Lead Issues, and Children*.

Matt Zumstein, 2005. MS in Peace Corps Fellows USDA Forest Program in the School of Forest Resources and Environmental Science. Project Paper Title: *The USDA Forest Service: Public Participation and Content Analysis*.

Melanie Barbier, 2003. MS in Environmental Policy, Department of Social Sciences. Thesis Title: *Been Here's versus Come Here's: Community and Conflict in Local Land Use Planning*.

Susan Joyce, 2003. MS in Peace Corps Fellows USDA Forest Program in the School of Forest Resources and Environmental Science. Project Paper: *Pleasing all the People None of the Time: The Challenges of Forest Planning*.

Angela McGrail, 2003. MS in Peace Corps Fellows USDA Forest Program in the School of Forest Resources and Environmental Science. Project Paper: *Public Participation in National Forest Land and Resource Management Planning*.

Melissa Hornyak, 2001. MS in Environmental Policy, Department of Social Sciences. Thesis Title: *Wetlands Permitting in the Western Upper Peninsula of Michigan: A Study of Mitigation and Monitoring*.

Carolyn VanderSchee, 2001. MS in Environmental Policy, Department of Social Sciences. Thesis Title: *Administrative Structure, Autonomy, Health, and Disciplinary Composition of Environmentally Related Programs at Private Liberal Arts Colleges and Universities*.

Michelle Jarvie, 1999. MS in Environmental Policy, Department of Social Sciences. Thesis Title: *Working Class Women and Participation in Environmental Politics*.

Krista Markovic, 1997. MS in Forestry. Co-advised with Tom Waite.

Melinda Mosser, 1997. MS in Forestry.

**Doctoral Student Committees:**

John Martin Holtgren, Current PhD Student, Biological Sciences (Dissertation on the sociological dimensions of fisheries co-management with tribal Members and the Department of Natural Resources)

Rudiger Escobar, Current PhD Student, Geological and Mining Engineering and Sciences (Dissertation on volcanological modeling and the sociological dimensions of volcanic risk in Guatemala)

Timothy Jenkins, Current PhD Student, Mechanical Engineering and Engineering Mechanics (Dissertation on the policy and modeling dimensions of cellulosic ethanol feedstock supply modeling)

Michael Brodeur-Campbell, Current PhD student in Chemical Engineering (Dissertation on the policy and chemical engineering dimensions of cellulosic ethanol feedstock processes)

Jill Jensen, 2009 PhD in Chemical Engineering (Dissertation: Cellulosic Ethanol: Optimization of Dilute Acid and Enzymatic Hydrolysis Processing of Forest Resources and Switchgrass)

Margaret Falersweany, 2001. Doctorate in Rhetoric and Technical Communication. Dissertation Title: *A Rhetoric of Deliberative Decision-Making: The Rhetorical Situation in Global Climate Change Hearings.*

Harrison Carpenter, 2001. Doctorate in Rhetoric and Technical Communication. Dissertation: *Practicing Our Preaching": Rhetoric and Technical Communication in American Forestry Discourse, 1905-54.*

**Current and Recent Masters Student Committees:**

Jillian Schubert, Master of Science, Environmental Policy (September 2009-2010)

Casey Colin, Master of Science, Civil & Environmental Engineering (September 4, 2008 - April 29, 2012).

Steven Wright, Master of Science, Civil & Environmental Engineering (September 4, 2007 - April 29, 2011).

Jack Chow, Master of Science, Civil & Environmental Engineering (September 4, 2006 - April 29, 2010).

Gwynneth Smith, Master of Science, GMES (September 4, 2007 - April 29, 2011).

Jessica Mehl, Master of Science, Civil & Environmental Engineering (August 29, 2005 - August 1, 2009).

Fletcher McKenzie, Master of Science, Civil & Environmental Engineering (September 4, 2007 - April 29, 2011).

Brian Pattullo, Master of Science, School of Forest Resources & Environmental Science (September 2, 2008 - April 30, 2010).

Lindsey Brown, Master of Science, Civil & Environmental Engineering (September 5, 2006 - December 18, 2009).

Cara Shonsey, Master of Science, Civil & Environmental Engineering (August 29, 2005 - May 1, 2009).

Gisselle Mejia, Master of Science, School of Forest Resources & Environmental Science (August 29, 2005 - May 1, 2009).

Katie Maroney, MS Minerals Policy, School of Business and Economics (August 2008).

Jessie Vital, Master of Science, School of Forest Resources & Environmental Science (August 29, 2006 - Dec 1, 2008)

### **CURRENT PROFESSIONAL MEMBERSHIPS**

*International Association for Society and Natural Resources, Society of American Foresters, Rural Sociological Society, Society for Human Ecology*

### **PROPOSAL REVIEW PANELS**

- 2011 United States Department of Agriculture NIFA SBIR Panel.
- 2010 American Association for the Advancement of Science Agroecology Proposals Panel.
- 2010 Environmental Protection Agency, GRO Undergraduate Research Panel
- 2009 National Science Foundation Interdisciplinary Graduate Education and Research Traineeship (IGERT) Program Panel
- 2009 National Science Foundation GK12 Science and Education Program Panel
- 2007 Environmental Protection Agency STAR Panel.
- 2006 Environmental Protection Agency Environmental Decision Making Grants Panel.

### **UNIVERSITY SERVICE**

#### **Michigan Technological University**

##### ***University-wide Affiliations***

- 2009-Present Ecosystem Science Center, Michigan Technological University
- 2003-Present Sustainable Futures Institute, Michigan Technological University
- 2005-Present Center for Water and Society, Michigan Technological University

***Department of Social Sciences***

- 2010-Present Chair, Faculty Search Committee: Two Positions in Energy and Environmental Policy Faculty.
- 1995-Present Environmental Policy Masters Program Committee
- 2003-9 Graduate Director of Environmental Policy Masters Program
- 2008 Co-chair, Social Science Chair Search
- 2005-8 Promotion and Tenure Committee
- 2004-5 Academic Coordinator for Peace Corps/Environmental Protection Agency Fellows Masters Program.
- 2002-3 Organizer Environmental Policy Masters Seminar Series.
- 2001-2 Curriculum Committee
- 2000-1 Computer Committee
- 1999-2000 Travel Grants Committee
- 1996-9 Computer Committee (Chair 1997-8)
- 1997-8 Sociology Curriculum Revision (Chair)
- 1997-8 Teaching Award Committee
- 1996-7 Coordinator for North Central Association Assessment SS131 Contemporary Society

***School of Forest Resources and Environmental Science***

- 2008-11 Tenure and Promotion Committee, Chair 2010-11.
- 2007 Forest Ecology Faculty Search Committee
- 2005-6 Forest Hydrology Faculty Search Committee
- 2002-5 Academic Coordinator for Peace Corps/Forest Service Fellows Masters Program
- 2002-3 Biotechnology Faculty Search Committee.
- 2001-2 Quantitative Ecologist Faculty Search Committee.
- 1996-9 Curriculum Committee (Chair 1997-8). Facilitated Faculty Retreat on Curriculum Revision for Semester Conversion.
- 1997-8 Wildlife Ecologist Search Committee.
- 1995-7 Coordinated Multicultural Natural Resources Youth Camp, August 1996. Received 1996 Honor Award for Camp from USDA Forest Service.

***University-wide Committees***

- 2009-Present ADVANCE Grant, Computing Subcommittee
- 2007-8 Strategic Faculty Hiring Initiative, Sustainability Positions
- 2007 College of Sciences and Arts Dean Search Committee
- 2005-Present Center for Water and Society Advisory Committee  
Subcommittees: Symposia Subcommittee; Degrees Subcommittee
- 2003-5 Distinguished Faculty Service Award Committee
- 1996-6 Cultural Enrichment Committee
- 1999-2001 Wellness Planning Group

**RECENT COURSES TAUGHT**

FW/SS3760 Human Dimensions of Natural Resources, SS5400 Sociology of the Environment, UN5000 Global Climate Change and Water Resources (co-taught with hydrologist and forest hydrologist), FW3110 Natural Resource Policy, FW/SS 5111 Advanced Natural Resource Policy

**RECENT PROFESSIONAL AND REGIONAL SERVICE**

- 2011-2014 International Union of Forest Resource Organizations (IUFRO) Task Force on Forests and Water.
- 2010-2011 National Academy of Sciences, National Research Council, Committee on the Economic and Environmental Impacts of Increasing Biofuels Production
- 2011-Present Editorial Board Member, *Bioenergy Research*
- 2010-2015 Member, Research Advisory Board NSF Biofuels and Climate Change: Farmers Land Use Decisions Project, University of Kansas/Kansas State University. EPSCOR Grant
- 2008-present International Association for Society and Natural Resources, Elected Council Member
- 2008-present Society for Human Ecology, Second Vice President
- 2006-present Society for Human Ecology, Board Member
- 2006-present Associate Editor, *Society and Natural Resources*
- 2006-present Editorial Board Member, *Environmental Management*.
- 2004-present Chair, Membership Committee, International Association for Society and Natural Resources

**LANGUAGES:** Fluent in Spanish.