CURRICULUM VITAE

**KATHLEEN E. HALVORSEN**

**Updated December 2014**

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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 - Professor of Natural Resource Policy (2010-Present), Associate

Present Professor(2002-2010), Assistant Professor(1996-2002), Instructor

(1995-1996), Michigan Technological University.

2003 - 2009 Director, Environmental Policy Graduate Program

**AWARDS**

Recipient of the 2014 Michigan Technological University Research Award for outstanding achievement in research.

**SCHOLARSHIP**

**Peer Reviewed Articles and Books (\* Supervised student)**

Asbjornsen, Heidi, Alex S. Mayer, Robert H. Manson, Kelly J. Wendland, Theresa Selfa, Friso Holwerda, Lyssette E. Muñoz Villers, Randall K. Kolka, Russell G. Congalton, **Kathleen E. Halvorsen**. Evaluating the effects of hydrologic service payments on coupled socioecohyrologic systems: A case study in Veracruz, Mexico. **Revised and resubmitted** to special issue of *Bioscience.*

**Halvorsen, K.E.,** A.S. Mayer, and C. Bain.Water-related Interdisciplinary Research Teams as Small Groups. **Under Revision** for special issue of *Journal of Environmental Studies and Sciences*.

Floress, K., K. Akamani, K.E. Halvorsen, A.T. Kozich, and M. Davenport. The Role of Social Science in Successfully Implementing Watershed Management Strategies. **Accepted pending minor revisions** for special issue at *Journal of Contemporary Water Research and Education.*

Barry D. Solomon, Aparajita Banerjee, Alberto Acevedo, **Kathleen E. Halvorsen**, and Amarella Eastmond. Policies for the Sustainable Development of Biofuels in Pan America: A Review and Synthesis of Five Countries. **Accepted** for special issue of *Environmental Management* on Sustainable Bioenergy Development across the Americas.

Norris, P., M. O’Rourke, A. Mayer, and **K.E. Halvorsen**. Doubling Down: Transdisciplinary Research Team Formation as a Wicked Problem. Invited Manuscript for Special Issue of *Urban and Landscape Ecology* on Wicked Problems.**Accepted** at *Urban and Landscape Ecology*.

J.L. Knowlton, **K.E. Halvorsen**, R. M. Handler, M. O’Rourke. 2014. Teaching interdisciplinary science teamwork skills to graduate students using in-person and web-based interactions. *Sustainability* 6: 9428-9440.

Adams\*, E.A. and **K.E. Halvorsen**. 2014. Perceptions of Nongovernmental Organization(NGO) Staff about Water Privatization in Developing Countries. *Human Geographies – Journal of Studies and Research in Human Geography* 8(2).

Robles Morua\*, A., **K.E. Halvorsen**, A.S. Mayer, and E.R. Vivoni. 2014. Can Hydrologic Models Change Water-related Risk Perceptions? Results of a Participatory Modeling Workshop in the Sonora River Basin, Mexico. *Environmental Modeling and Software* 52:273-282.

Kozich\*, A.T. , and **K.E. Halvorsen**. 2012. Compliance with Wetland Mitigation Standards in the Upper Peninsula of Michigan, USA. *Environmental Management* 50:97-105.

NRC-NAS Committee on Economic and Environmental Impacts of Increasing Biofuels Production (Lave, L.B. (chair), I.C. Burke (co-chair), W.E. Tyner (co-chair), V.H. Dale, **K.E. Halvorsen**, J.D. Hill, S.R. Kaffka, K.C. Klasing, S.J. McGovern, J.A. Miranowski, A. Patrinos, J.L. Schnoor, D.R. Schweikhardt, T.L. Selfa, B.L. Sohngen, and J.A. Soria). 2011. Renewable Fuel Standard: Potential Economic and Environmental Effects of U.S. Biofuel Policy. Natural Research Council of the National Academies.

Robles Morua\*, A., **K.E. Halvorsen**, and A.S. Mayer. 2011. Waterborne Disease-Related Risk Perceptions in the Sonora River Basin, Mexico. *Risk Analysis* 35(5)866-878.

**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.

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, D. Abbas, **K.E. Halvorsen**, P. Jakes,and C. Moseley. 2011. Conventional Wisdoms of Woody Biomass Utilization on Federal Public Lands. *Journal of Forestry* June: 208-218.

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.

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 WesternUpper 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. **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.* 2nd Edition. (Upper Saddle River, NJ: Prentice Hall). Pp. 213-223.

## Book Reviews

2013 Reviewed *Socioeconomic and Environmental Impacts of Biofuels:*

*Evidence from Developing Nations***,** 2012. edited by Alexandros Gasparatos and Per Stromberg, Cambridge University Press. For *Journal of Natural Resource Policy Research.*

2013 Reviewed *A Newer World: Politics, Money, Technology, and What’s*

*Really Being Done to Solve the Climate Change Crisis.* For Choice: PubSys.

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](http://www.informaworld.com/smpp/title%7Edb=all%7Econtent=t713667234%7Etab=issueslist%7Ebranches=22#v22)([3](http://www.informaworld.com/smpp/title%7Edb=all%7Econtent=g908553701))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:**

2011 Becker, D.R., Abbas, D., **Halvorsen, K.E**., Jakes, P.J., McCaffrey, S.M.,

Moseley C. 2011. Conventional wisdoms of biomass utilization: findings from federal case studies. In Woody Biomass Utilization: Proceedings of the International Conference on Woody Biomass Utilization, Starkville, MS. August 4-5, 2009. pp. 83-91. Edited by John R. Shelly, Forest Products Society, Madison, WI. ISBN-13:978-1-892529-60-2.

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).

**RECENT FUNDED GRANTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Sponsor** | **Start &**  **End Date** | **Amount** |
| **InterAmerican Institute for Global Change Research (IAI): Interdisciplinary Science Team Skill Building to Study Socioecological Impacts from Bioenergy Development across the Americas** (PI) Halvorsen | InterAmerican Institute for Global Change Research | 2014-2016 | $200,000 |
| **Coupled Natural and Human Systems (CNH): Experimental Frameworks for Evaluating Net Effects of Hydrologic Service Payments on Coupled Social-Ecohydrological Systems** (**CoPI Halvorsen**; PI Heidi Asbjornsen; CoPI Alex Mayer; Kelly Wendland, Theresa Selfa) | National Science Foundation Coupled Natural and Human Systems Program | 2014-2018 | $1,499,000 |
| **OISE-PIRE: Sustainability, Ecosystem Services, and Bioenergy Development across the Americas** (**Principal Investigator Halvorsen**; Co-pis: David Shonnard, Rod Chimner, Heidi Asbjornsen – University of New Hampshire, Cass Moseley – University of Oregon; Additional MTU Senior Personnel: Pasi Lautala, Alex Mayer, David Watkins, David Flaspohler, Rick Donovan, Chris Webster, Sigrid Resh, Tom Pypker, and additional US, Brazilian, Mexican, Canadian, and Argentinian Scientists) | National Science Foundation (NSF) Partnerships in International Research and Education | 2012-2017 | $4,841,735 |
| **RCN-SEES: A Research Coordination Network on Pan American Biofuels and Bioenergy Sustainability** (PI David Shonnard; **Co-pi Kathleen Halvorsen**, Samuel Sweitz, Richard Donovan, Barry Solomon) | NSF Research Coordination Network Program | 2011-2015 | $750,000 |
| **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)** (PI Alex Mayer; **Copi: Kathleen Halvorsen**, William Breffle, Noel Urban) | NSF Water, Sustainability, and Climate Program | 2010-2012 | $162,000 |
| **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?** (PI Alex Mayer, **Copi: Kathleen Halvorsen**) | NSF  Interdisciplinary Research Program | 2010-2015 | $317,000 |
| **NSF GK12: GlobalWatershed: Integrating Rural and Global Perspectives with Research and Technological Advances** (PI Alex Mayer, **Senior Personnel: Kathleen Halvorsen**) | NSF GK12 | 2009-2016 | $2,500,000 |
| **NSF OISE: Biocomplexity of Hydrological Service Payments and Watershed Sustainability in Mexico**  (PI Heidi Asbjornsen, University of New Hampshire; Senior Personnel: Kathleen Halvorsen, Alex Mayer) | NSF OISE | 2009-2010 | $34,600 |
| **TIES: Enhancing the Capacity for Sustainable Forest Management in Chiapas and Oaxaca**  (PI Alex Mayer, Copis: Kathleen Halvorsen, Heidi Asbjornsen, Rod Chimner, Linda Nagel) | USAID TIES | 2009-2011 | $249,999 |
| **Center for Energy Excellence for Cellulosic Ethanol: Project 2: Increasing availability of feedstocks and ensuring sustainability**  (PI Robert Froese; Copis: Kathleen Halvorsen, Linda Nagel, Ann McLean) | Michigan Economic Development Corps | 2009-2010 | $520,894 |
| **MUSES:Biocomplexity: Lignocellulosic ethanol in the upper Midwest** (PI: Ann Maclean; Copis: Kathleen Halvorsen, Barry Solomon, David Shonnard, John Sutherland) | NSF MUSES | 2005-10 | $1,700,000 |
| **Cellulosic Ethanol Potentials and Obstacles in the Upper Midwestern United States** (PI Kathleen Halvorsen) | USDA McIntire-Stennis | 2006-14 | $56,000 |
| **MTU Women and Minority Scholar Grant to Fund Chinese Academy of Forestry Bioenergy Scientist Dr. Hu Yanjie Visit** | Michigan Technological University | 2010 | $1750 |
| **JFSP: Characterizing Lessons Learned from Federal Biomass Removal Projects.**  (PI Dennis Becker, U of MN; CoPI: Kathleen Halvorsen; Cass Moseley U of Oregon) | Joint Fire Science Program/ USFS/BLM | 2007-9 | $187,502 |
| **NSF: Engaging Social Scientists in the WATERS Initiative**  (PI Alex Mayer; CoPI: Kathleen Halvorsen) | NSF | 2008-9 | $10,600 |
| **The Effect of Climate Change Beliefs and Values on Support/Use of Alternative Fuels Like Cellulosic Ethanol** (Co-PI Kathleen Halvorsen, PI Joseph Dammel, undergrad, Civil and Environmental Engineering) | NSF SURF  (MTU competition) | 2008 | $3000 |
| **Social Effects of Lignocellose Biofuel Production in the Upper Midwest**  (Co-PI Kathleen Halvorsen, PI Stuart Kramer, undergrad in Applied Ecology) | NSF SURF  (MTU competition) | 2007 | $3000 |
| **Creation of Center for Water and Society** (PI Alex Mayer, CoPIs: Kathleen Halvorsen, Peg Gale) | MTU Research Excellence Fund | 2005-6 | $55,000 |
| **Wind Energy in the Upper Midwest** (PI Kathleen Halvorsen) | MTU Faculty Development Grant | 2006-7 | $1000 |
| **Land Use Planning in the Western Upper Peninsula of Michigan** (PI Kathleen Halvorsen) | USDA McIntire Stennis: | 2003-6 | $21,000 |
| **Lignocellulosic ethanol in the Upper Midwest** (PI Ann McLean; Co-PI Kathleen Halvorsen, Barry Solomon, John Sutherland, David Shonnard) | NSF MUSES Planning Grant | 2004-5 | $114,498 |
| **Gaps in Great Lakes Septic Regulatory Programs** (PI Kathleen Halvorsen, CoPI Hugh Gorman) | Joyce Foundation | 2002-4 | $81,000 |

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

2014 **Paper Presented:** “Participant Impacts from a Participatory Modeling Workshop in Sonora, Mexico” at the International Symposium on Society and Resource Management Conference (ISSRM) at Hanover, Germany. With Augustin Robles Morua and Alex S. Mayer.

2014 **Invited Keynote Presentation** at University of Illinois Champaign-Urbana in the Energy from Biomass Institute (EBI) speaker series. “Impacts of Bioenergy Development across the Americas.”

2013 **Paper Presented:** “Impacts of Bioenergy Development across the Americas” Halvorsen, Medeiros, Selfa at International Community Development and Sustainability Practice Conference at Columbia University, NYC. September.

2013 **Panel Author: “**Socioecological Impacts from Bioenergy Development across the Americas” at International Symposium on Society and Resource Management Conference. Estes Park, CO. June.

2013 **Co-Author (with lead author Andrew Kozich, Advisee):** “Great Lakes Perceptions of Water-related Resources” at International Symposium on Society and Resource Management Conference. Estes Park, CO. June.

2013 **Invited Keynote Speaker in INTA Bioenergy Workshop:** “NSF PIRE Project on Socioecological Impacts from Bioenergy Development across the Americas” in Buenos Aires, Argentina. May.

2013 **Invited Keynote Speaker in Bioeconomy Series:** “Forty more years of five years away from cellulosic ethanol commercialization?” at Iowa State University, April.

2012 **Invited Panel Participation: “**Experiences with Interdisciplinary Water-related Research Science Teams” at Rural Sociological Society Meeting, Chicago IL, July.

2012 **Invited Lectures** on US Forest Policy in Euroforester Forest Policy Graduate Course, Swedish Agricultural University, Alnarp, Sweden. February.

2011 **Invited Lecture** on US Bioenergy Policy at Chinese Academy of Forestry, Beijing, China. September.

2011 **Invited Lecture**on US Biofuels Development at CAFCO (Chinese Agriculture and Food Company), Beijing, China. September.

2011 **Invited Lecture** on US Forest Policy at Chinese State Forestry Administration, Shanghai, China. September.

2011 **Invited Lecture** on Trends in Bioenergy Policy at Leiden University, Lorentz Center, Workshop on Bioenergy and Land Use.

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. Dammel\*\*, 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. Dammel\*\*, 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 Dammel\*\*, 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.**

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

**Graduate Students Advised:**

**Doctoral:**

Erin Pischke, Current PhD Student in Environmental and Energy Policy (2014-Present), Social Sciences.

Jennifer Dunn, Current PhD Student in Environmental and Energy Policy (2014-Present), Social Sciences.

Aparajita Banerjee, Current PhD Student in Environmental and Energy Policy (2011-Present), Social Sciences.

Andrew Kozich, Current PhD Student in Forest Sciences, (2009-Present) SFRES.

Agustin Robles Morua, Graduated 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:**

David J. Kossak, Graduated Fall 2014. Masters in Forestry. **Thesis Title:** *Participant Impacts from a Participatory Modeling Workshop in Sonora, Mexico.*

Tonis Tonisson, Graduated 2012. MS Student in Forest Ecology and Management (MTU) and MS in Forestry (Swedish Agricultural University). Atlantis Exchange Student.

Ellen Brenna, Graduated 2012. MS in Environmental Policy, Department of Social Sciences. **Thesis Title:** *Perceptions of water conditions and management in the Sonora River Basin, Sonora, Mexico*.

Brian Pattullo, Graduated 2013. Masters Student in Environmental Policy, Department of Social Sciences.

Ellis Adams, Graduated 2011 MS Student in Environmental Policy, Department of Social Sciences. **Thesis Title:** *Global Water Privatization and Nongovernmental Organization Staff Perceptions.*

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

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, Graduated 2014. PhD Student, Biological Sciences (Dissertation on the sociological dimensions of fisheries co-management with tribal Members and the Department of Natural Resources)

Rudiger Escobar, Graduated 2013. 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, Graduated 2012. PhD in Chemical Engineering (Dissertation on the policy and chemical engineering dimensions of cellulosic ethanol feedstock processes)

Jill Jensen, Graduated 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:**

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).

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 Conservation Biology*

**PROPOSAL REVIEW PANELS**

2012 National Science Foundation Water, Sustainability and Climate Change Planning

Grant Review Panel.

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***

2013-2015 Social Sciences Department Promotion and Tenure Committeee.

2012-2013 Social Sciences Department Search Committee: Sociology.

2010-2011 Chair, Faculty Search Committee: Two Positions in Energy and Environmental Policy Faculty.

1995-Present Environmental and Energy Policy Graduate Committee

2013-Present Environmental and Energy Policy Graduate Committee, Webpage

Subcommittee

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

* 1. Computer Committee (Chair 1997-8)
  2. 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***

2014-15 Natural Resource Management Faculty Position Search Committee

2013-16 Graduate Studies Committee

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.

***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

**RECENT COURSES TAUGHT**

SS5340 Principles of Interdisciplinary Sustainability Research (International, Multi-university Class), SS2600 American Government and Politics, 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

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