

Present position	<p>Associate Professor (2010-present) Assistant Professor (2005-2010) Energy and Environmental Policy and Law McKnight Land Grant Professor 2008-2010 Humphrey School of Public Affairs, <b>University of Minnesota</b></p> <ul style="list-style-type: none"> <li>• Faculty Affiliate, Law School</li> <li>• Faculty Affiliate, Interdisciplinary Center for the Study of Global Change</li> <li>• Faculty Scholar, Center for Transportation Studies</li> <li>• Fellow, Institute on the Environment</li> </ul> <p>Visiting Professor 2009-2010 Center for Industrial Development and Environmental Governance, School of Public Policy and Management and the Tsinghua BP Clean Energy Research and Education Center <b>Tsinghua University</b>, Beijing, China</p>
Education	<p>Ph.D. <b>Carnegie Mellon University</b>, Pittsburgh, PA (2004) Engineering and Public Policy M.S. <b>Vrije Universiteit Brussel</b>, Brussels, Belgium (1997) Human Ecology, <i>magna cum laude</i> B.A. <b>University of California, Santa Cruz</b>, CA (1991) Environmental Studies</p>
Scholarships and Honors	<ul style="list-style-type: none"> <li>• Leopold Leadership Fellow, 2011</li> <li>• Member, U.S.-China Delegation to Study CCS, led by World Resources Institute, funded by the U.S. State Department, 2009</li> <li>• McKnight Land Grant Professor, University of Minnesota, July 2008-June 2010</li> <li>• Selected Participant Dissertation Initiative for the Advancement of Climate Change Research, Kilauea, Hawai'i, 2007</li> <li>• Keynote Speaker, Minnesota Economic Association, 2007</li> <li>• Plenary Speaker, Carbon Capture and Sequestration Conference, Pittsburgh PA. 2007</li> <li>• CNRS Research Scholarship, Catholic University of Louvain 1996-1998</li> </ul>
Publications	<p><b>Refereed journal articles</b> (underline denotes co-author is student or research associate)</p> <p>2011</p> <ol style="list-style-type: none"> <li>1. Pollak, MF, <u>Meyer, B.</u> <b>Wilson, EJ</b> (2010) Reducing Greenhouse Gas Emissions: Lessons from State Climate Action Plans. Submitted to <i>Energy Policy</i>, (in press).</li> <li>2. <b>EJ Wilson</b>, <u>Zhang, D.</u>, Li, Z. Socio-political Context for Deploying Carbon Capture and Sequestration in China. <i>Global Environmental Change</i> 21 324-235 2011. doi:10.1016/j.gloenvcha.2011.01.012</li> </ol> <p>2010</p> <ol style="list-style-type: none"> <li>3. <u>M Fischlein</u>, <u>J Larson</u>, <u>D Hall</u>, <u>R Chaudhry</u>, JC Stephens, TR Peterson, <b>EJ Wilson</b>. Policy stakeholders and deployment of wind power in the sub-national context: a comparison of four U.S. states. <i>Energy Policy</i> 38 4429–4439, 2010. doi:10.1016/j.enpol.2010.03.073</li> <li>4. <b>EJ Wilson</b>, J Marshall, KJ Krizek, <u>R Wilson</u>. By Foot, Bus or Car: Children's School Travel and School Choice Policy. <i>Environment and Planning A</i> 42, 2168-2185 doi:10.1068/a435</li> <li>5. JD Marshall, <u>R Wilson</u>, <u>KL Meyer</u>, <u>SK Rajangam</u>, N McDonald, <b>EJ Wilson</b>, Vehicle Emissions during Children's School Commuting: Impacts on Education Policy. <i>Environmental Science and Technology</i> 44(5), pp 1537–1543, 2010. doi: 10.1021/es902932n</li> <li>6. H Zerriffi and <b>EJ Wilson</b>. Leapfrogging Over Development? Promoting Rural Renewables for Climate Change Mitigation. <i>Energy Policy</i> 38 (4) 1689–1700, 2010. doi:10.1016/j.enpol.2009.11.026</li> </ol>

- 2009
7. **EJ Wilson** and JC Stephens. Wind in a Carbon-Managed World: States, Resources, Policy and Discourse. *Environmental Science and Technology* 43 (24), 9063–9070. 2009 doi: 10.1021/es900802s
  8. **A Boies, S Hankey, D Kittelson, J Marshall, P Nussbaum, W Watts, EJ Wilson**. Reducing Motor Vehicle GHG Emissions in a State that is Not California. *Environmental Science and Technology* 43 (23), 8721–8729. 2009, doi: 10.1021/es902019z
  9. **M Fischlein, T Smith, EJ Wilson**. Carbon emissions and management scenarios for consumer-owned utilities. *Environmental Science and Policy* 12(7) 778-790, 2009 doi: 10.1016/j.envsci.2009.07.011
  10. **MF Pollak, EJ Wilson**. Regulating geologic sequestration in the US: Early rules take divergent approaches. *Environmental Science and Technology* 43(9), 3035–3041. 2009, doi: 10.1021/es803094f
  11. **L Schmitt-Olabisi, PB Reich, KA Johnson, AR Kapuscinski, S Suh, EJ Wilson**. Reducing greenhouse gas emissions for climate stabilization: Framing regional options. *Environmental Science and Technology* 43(6), 1696-1703. 2009, doi: 10.1021/es801171a
  12. **M Pollak, EJ Wilson**. Managing risks of carbon capture and storage projects in the Clean Development Mechanism. *Climate Policy* 9, 71–87. 2009, <http://www.earthscanjournals.com/cp/009/cp0090071.htm>
- 2008
13. **EJ Wilson, J Plummer, M Fischlein, T Smith**. Implementing Energy Efficiency: Challenges and Opportunities for Rural Electric Cooperatives and Small Municipal Utilities. *Energy Policy* 36(9) 3383-3397. 2008 doi:10.1016/j.enpol.2008.05.007
  14. D Gerard and **EJ Wilson**. Environmental Bonds and the Challenge of Long-Term Carbon Sequestration. *Journal of Environmental Management* 90, 1097–1105. 2009, doi:10.1016/j.jenvman.2008.04.005
  15. JC Stephens, **EJ Wilson, TR Peterson**. Socio-Political Evaluation of Energy Deployment (SPEED): An Integrated Research Framework for Analysis of Energy Technology Deployment. *Technological Forecasting and Social Change* 75, 1224–1246. 2008, doi:10.1016/j.techfore.2007.12.003
  16. **EJ Wilson, M Granger Morgan, J Apt, M Bonner, C Bunting, J Gode, C Jaeger, DW Keith, SP McCoy, R. S. Haszeldine, M. Pollak, D. Reiner, E. Rubin, A. Torvanger, C. Ulardic, S. Vajjhala, D Victor, I Wright**. Regulating Geologic Sequestration of CO<sub>2</sub>. *Environmental Science and Technology* 42: 2718-2722. 2008. doi: 10.1021/es087037k
- 2007
17. **EJ Wilson, A Gibbons**. Deploying Carbon Capture and Storage in Europe and the United States: A Comparative Analysis. *Journal for European Environmental and Planning Law* 5. 2007
  18. **EJ Wilson, R Wilson, KJ Krizek**. Examining the Implications of School Choice on Travel Behavior and Environmental Emissions. *Transportation Research Part D: Transport and the Environment* 12(7) 506-518. 2007. doi:10.1016/j.trd.2007.07.007
  19. **EJ Wilson, SJ Friedmann, MF Pollak**. Research for Deployment: Incorporating Risk, Regulation and Liability for Carbon Capture and Sequestration. *Environmental Science and Technology* 41(17) 2007. doi: 10.1021/es062272t
- 2005
20. DW Keith, J Guardiola, G Morgan, **EJ Wilson**. Regulating the Underground Injection of CO<sub>2</sub>. *Environmental Science and Technology* 39(24). 2005. doi:10.1021/es0534203 (feature)
  21. **EJ Wilson, DW Keith, M Wilson**. Considerations for a Regulatory Framework for Large-Scale Geologic Sequestration of Carbon Dioxide: A North American Perspective, in *Peer Reviewed Proceedings of the 7<sup>th</sup> International Greenhouse Gas Technologies Conference*, E Rubin DW Keith, Editors. 2005.
- 2003 and before
22. **EJ Wilson, TL Johnson, DW Keith**. Regulating the Ultimate Sink: Managing the risks of geologic CO<sub>2</sub> storage. *Environmental Science and Technology*. 37(16) 3476-3483. 2003. doi: 10.1021/es021038+
  23. **EJ Wilson**. Life Cycle Inventory for Municipal Solid Waste Management. *Waste Management and Research* 20(1) 16-22. 2002. doi: 10.1177/0734242X0202000103
  24. **EJ Wilson**. Life Cycle Inventory for Municipal Solid Waste Management: Part 2 MSW management scenarios and modeling. *Waste Management and Research* 20(1) 23-36. 2002. doi: 10.1177/0734242X0202000104
  25. **EJ Wilson, FR McDougall, J Willmore**. Euro-trash: Searching Europe for a more sustainable approach to waste management. *Resources, Conservation & Recycling* 31(4) 327-346. 2001. doi: 10.1016/S0921-3449(00)00089-6

#### Articles in progress

26. **AM Feldpausch-Parker, R Chaudhry, JC Stephens, M Fischlein, DM Hall, LL Melnick, TR**

- Peterson, CJ Ragland, **E J Wilson** (2010) Spreading the News on Carbon Capture and Storage: A State-Level Comparison of US Media. *Science Communication* (revisions submitted)
27. Fischlein, M, TR Peterson, JC Stephens, **EJ Wilson** (2010) Which way does the wind blow? Analyzing the sub-national context for renewable energy deployment in the United States. Submitted to *Environmental Policy and Governance*

### Books

1. **EJ Wilson**, D Gerard, editors. 2007. Carbon Capture and Sequestration: Technology, Monitoring, and Regulation. Blackwell Scientific. Ames, IA

### Book Chapters

1. **EJ Wilson**, S Bergan. Managing Liability: Comparing Nuclear Waste and Carbon Capture and Storage, for publication in edited volume to be published in F.L. Toth (Ed.) *Geological Disposal of CO<sub>2</sub> and Radioactive Waste: A Comparative Assessment*. Springer, Dordrecht, The Netherlands. 2011 (peer reviewed book chapter)
2. **EJ Wilson**, D Gerard. Carbon Capture and Sequestration in Context: Technology, regulation, and social acceptance, in *Carbon Capture and Sequestration: Technology, monitoring, and regulation*. EJ Wilson and D Gerard, (Editors) Blackwell Scientific. Ames, IA 2007
3. **EJ Wilson**, D Gerard, Risk Assessment and Management for Geologic Sequestration of Carbon Dioxide in *Carbon Capture and Sequestration: Technology, Monitoring, and Regulation*. EJ Wilson and D Gerard, (Editors) Blackwell Scientific. Ames, IA 2007
4. **EJ Wilson**, D Gerard, Geologic Sequestration Under Current U.S. Regulations: Problems and Prospects in *Carbon Capture and Sequestration: Technology, Monitoring, and Regulation*. EJ Wilson and D Gerard, (Editors) Blackwell Scientific. Ames, IA 2007
5. **EJ Wilson**. Subsurface Property Rights: Implications for geologic CO<sub>2</sub> sequestration, in *Underground Injection Science and Technology*. J Apps and CF Tsang, editors. Elsevier, Amsterdam. 2005

### Law Review and Legal Articles

1. AB Klass and **EJ Wilson**. Climate Change, Carbon Sequestration and Property Rights. *University of Illinois Law Review* (Spring 2010), (selected by Land Use and Environment Law Review and republished in 2011 as one of best ten environmental and land use law articles published during 2009-2010).
2. AB Klass, **EJ Wilson**. Carbon Capture and Sequestration: Identifying and Managing Risks, special edition Balancing the Risks: Managing Technology and Dangerous Climate Change, special issue of *Issues in Legal Scholarship* 18(3) 2009, doi: 10.2202/1539-8323.1108, <http://www.bepress.com/ils/vol8/iss3/art1>
3. AB Klass, **EJ Wilson**. Climate Change and Carbon Sequestration: Assessing a Liability Regime for the Long-term Storage of Carbon Dioxide. *Emory Law Review* 58(103) Fall 2008
4. **EJ Wilson**, M de Figueiredo. Geologic Carbon Dioxide Sequestration: An analysis of subsurface property law. *Environmental Law Reporter* 36 10114, 2006

### Academic Reports, Policy Briefs and Other Publications

1. JA Dammel, JM Bielicki, MF Pollak, and EJ Wilson, A Tale of Two Technologies: Hydraulic Fracturing and Geologic Carbon Sequestration, *Environmental Science and Technology*, Viewpoints, (2011) 45(12) 5075-5076. doi: 10.1021/es201403c
2. While U.S. energy and climate policy founders, China forges ahead, *Momentum Magazine*, Scientist's Soapbox, April 2011. <http://www.environment.umn.edu/momentum/issue/3.2s11/soapbox.html>
3. Spring 2011-04-28 Reducing Greenhouse Gas Emissions From Transportation Sources in Minnesota, Report for the Minnesota State Legislature, June 2008 CTS 08-10, Adam Boies, David Kittelson, Winthrop Watts (Department of Mechanical Engineering), Jan Lucke, Laurie McGinnis (Center for Transportation Studies), Julian Marshall, Tyler Patterson (Department of Civil Engineering), Peter Nussbaum, **EJ Wilson** (Humphrey Institute of Public Affairs), <http://www.cts.umn.edu/Research/Featured/GreenhouseGas/>
4. Carbon Capture and Sequestration: Framing the Issues for Regulation, An Interim Report from the CCSReg Project, January 2009, [http://www.ccsreg.org/working\\_papers.html](http://www.ccsreg.org/working_papers.html) (with 30 others)

Conference  
Presentations  
and Posters

5. **EJ Wilson**, Melisa Pollak. Regulation for Carbon Capture and Sequestration, Policy Brief for the International Risk Governance Council, 2008, [http://www.irgc.org/IMG/pdf/Policy\\_Brief\\_CCS.pdf](http://www.irgc.org/IMG/pdf/Policy_Brief_CCS.pdf)
  6. **EJ Wilson**, M. de Figueiredo, C. Trabuchi. K. Larsen. Liability and Financial Responsibility Frameworks for Carbon Capture and Sequestration, World Resources Institute Issue Brief 3 on Carbon Capture and Sequestration, 2007, <http://pdf.wri.org/liability-and-financial-responsibility.pdf>
  7. **EJ Wilson**, F McDougall, J Willmore. Towards Integrated Management of Municipal Solid Waste Volumes I and II, a report for the European Recovery and Recycling Association, 1997, Centre Entreprise-Environment, Institut d'administration et de gestion, Université catholique de Louvain, Belgium.
  8. **EJ Wilson**. Life Cycle Inventory Tools in Pamplona, Spain. *Warmer Bulletin*. 1998
1. **EJ Wilson**, MF Pollak, JM Belicki, C Peters, M Celia, J Fitts, V Bhatt Integrating Geologic Storage of Carbon Dioxide with Other Subsurface Activities, Carbon Capture and Sequestration Conference, Pittsburgh, PA, May 2-5, 2011
  2. EJ Wilson, M Pollak B Meyer. Reducing Greenhouse Gas Emissions: Lessons from State Climate Action Plans, APPAM Fall Conference, Boston MA, November 4-6, 2010
  3. **EJ Wilson**, J Stephens, TR Peterson, J. Larson, M. Fischlein, R. Chaudry, D.Hall. Wind Power: The Relationship between Stakeholder Perceptions and Technology Deployment, APPAM Fall Conference, Washington DC, November 7-8 2009
  4. **EJ Wilson**, J Stephens, TR Peterson. Carbon capture and storage in context: the importance of state policy and discourse in deploying emerging energy technologies. Greenhouse Gas Control Technology Conference 9, Washington DC, November 17, 2008
  5. **EJ Wilson**, A Klass, S Bergan. Assessing a Liability Regime for Carbon Capture and Storage. Greenhouse Gas Control Technology Conference 9, Washington DC, November 17, 2008 (paper and poster)
  6. M Pollak, J Johnson, **EJ Wilson**. The geography of CCS regulatory development in the U.S. Greenhouse Gas Control Technology Conference 9, Washington DC, November 17, 2008 (paper and poster)
  7. **EJ Wilson**, J Stephens, TR Peterson. Framing Wind: The importance of State-Level Policy and Discourse in Deploying Emerging Energy Technologies, APPAM Fall Conference, Los Angeles, CA, November 7-8 2008.
  8. **EJ Wilson**, KJ Krizek, R Wilson. School Transportation Survey and School Choice, 87<sup>th</sup> Transportation Research Board Conference, Washington DC, January 13-17, 2008
  9. **EJ Wilson**, AB Klass. Recognizing Tort and Property Law Risks Associated with Geologic Carbon Storage, Society for Risk Analysis, San Antonio, TX, December 9-12, 2007
  10. **EJ Wilson**, J Stephens, C Mitchell. Deploying Emerging Energy Technologies: An Interdisciplinary Framework. AAAS meeting, San Francisco, CA, Feb 15-16, 2007 (poster)
  11. Biofuels within a Larger Policy Context. Pathways toward a renewable energy future: Environmental sustainability through technology and policy, St. Paul, MN, February 1, 2007
  12. **EJ Wilson**, KJ Krizek, R Wilson. School Transportation and School Choice, 86<sup>th</sup> Transportation Research Board Conference, Washington DC, January 21-25, 2007
  13. D Gerard, **EJ Wilson**. Mechanisms for Long-term care for CCS: Environmental Bonding, Society for Risk Analysis, Baltimore, MD, December 3-6, 2006
  14. **EJ Wilson**, MF de Figueiredo. The Impact of Liability on the Adoption and Diffusion of Carbon Capture and Sequestration Technologies, APPAM Fall Conference, Madison, WI, November 2-4, 2006.
  15. D Gerard, **EJ Wilson**. Environmental bonds and the problem of long term carbon sequestration. International Society for New Institutional Economics (ISNIE), Boulder, Colorado September 22-24 2006 (presented by D Gerard)
  16. **EJ Wilson**, J Friedmann. Squaring the long view: Regulatory and geological considerations for establishing future research agendas for carbon capture and sequestration. Fifth Annual Department of Energy Conference on Carbon Capture and Sequestration, Washington, D.C. May 8-11, 2006
  17. **EJ Wilson**, C Schively. Siting Geological Sequestration Projects: Public Perception, Regulatory

- Structures, and Legal Considerations. CO<sub>2</sub> Siting Conference, Lawrence Berkeley National Laboratory, Berkeley CA, March 20-23, 2006
18. Considerations for a Regulatory Framework for Large-Scale Geologic Sequestration of Carbon Dioxide: A North American Perspective, at the 7<sup>th</sup> International Greenhouse Gas Technologies Conference, Vancouver, Canada. September 5-9, 2004
  19. Subsurface Property Rights: Implications for Geologic CO<sub>2</sub> Storage. Second International Symposium on Underground Injection Science and Technology, Berkeley, CA, October 22-25, 2003
  20. **EJ Wilson**, DW Keith. Geologic Carbon Storage: Understanding the Rules of the Underground. Proceedings of the 6<sup>th</sup> Greenhouse Gas Control Conference. Kyoto, Japan. October 1-4, 2002
  21. Assessing the Regulatory Environment for the Geological Sequestration of CO<sub>2</sub>. Presented at the Ground Water Protection Council Conference. Reno, NV., September 22-25, 2001
  22. Life Cycle Inventory Tools Applied to the Pamplona Region, Spain. Presented and published in conference proceedings of the Management in Europe in the 21<sup>st</sup> Century, 3<sup>rd</sup> Community of European Management Schools Conference, Institut d'Administration et de Gestion, Louvain-la-Neuve, Belgium. May 7-9, 1998
  23. Incorporating the Environment into Municipal Solid Waste Planning. Presented at Systems engineering models for waste management, International Workshop, Göteborg, Sweden. February 22-25, 1998
  24. Influences of paper Collection on Material Collection and Waste Management Objectives: A Curbside Dublin Case Study. Published in the conference proceedings of the 13<sup>th</sup> Municipal Solid Waste Management and Technology. Philadelphia, PA. November 17-19, 1997
  25. MP Kestemont, **EJ Wilson**. Selective Collection in Prato, Italy. Explorec, Porte-de-Versailles, France. March 26-28, 1997

#### Invited Conference and Workshop Presentations

1. China and Large-Scale CCS, Carbon Mitigation Initiative, Princeton University, Princeton, NJ, April 12, 2011
2. China: Energy and Environmental Considerations, University of Minnesota Law School, Law Affiliates Lunch, March 8, 2011
3. U.S. States and Greenhouse Gas Planning and Management, Universidad Autonoma de Mexico, Morelia campus, March 22, 2011
4. China's Challenges: Energy, Environment, and Development, Minnesota Pollution Control Agency, St. Paul, MN, January 31, 2011
5. Greenhouse Gases in the US States, IGERT Seminar, Goldman School of Public Affairs, UC Berkeley, January 26, 2011
6. Perspectives on Climate Change: China's Challenges: Energy, Environment, and Development, Will Steger Foundation, Minneapolis, MN, December 10, 2010
7. China's Challenges: Energy, Environment, and Development, Frontiers on the Environment Series, Institute on the Environment, University of Minnesota, December 1, 2010
8. China's Challenges: Energy, Environment, and Development, E3 Conference, St. Paul River Center, St. Paul, MN, November 30, 2010
9. China's Challenges: Energy, Environment, and Development
10. Keynote talk, Status and Trends of Global New Energy Industrial Development: Technology Alone Is Not Enough, 4th China New Energy International Forum, National Conference Center, Beijing, China, January 20, 2010
11. Wind Power: The Relationship between Media Representation, Stakeholder Perceptions and Technology Deployment, Center for Industry and Environmental Governance, Tsinghua University, Beijing, China, December 24, 2009
12. Wind Power: The Relationship between Media Representation, Stakeholder Perceptions and Technology Deployment, BP-Tsinghua Low Carbon Energy Center, Tsinghua University, Beijing, China, December 17, 2009
13. The Relationship between Media Representation, Stakeholder Perceptions and Technology Deployment, Peking University, Beijing, China, December 3, 2009
14. Mythical Beasts in the Academic Zoo: Sustainability and Interdisciplinarity, Kadoorie Institute, Hong Kong, China, May 26, 2009
15. AB Klass and **EJ Wilson**, Energy Policy and Regulation: Federal and State Perspectives in a

- Carbon-Managed World, Minnesota Environmental Institute, April 24, 2009
16. Overcoming Obstacles to Carbon Capture & Sequestration Energy Policy and Regulation, Harvard University, March 30, 2009
  17. Federal and State Perspectives in a Carbon-Managed World, Hennepin County Bar Association, Environmental Section, Minneapolis, MN, March 4, 2009
  18. Regulatory and Legal Context of Carbon Capture and Sequestration, World Resources Institute, Washington DC, February 23, 2009
  19. AB Klass and **EJ Wilson**, Liability and CCS, Dorsey and Whitney Law Firm, Minneapolis, MN 8 January 2009
  20. Policy and practice: Regulation of Carbon Capture and Sequestration, Chinese Academy of Sciences, Beijing, China, December 17, 2008
  21. Policy and practice: Regulation of Carbon Capture and Sequestration, Tsinghua University, Beijing, China, December 18, 2008
  22. Policy and practice: Regulation of Carbon Capture and Sequestration, The Regulatory Challenge of CCS Environmental Risks and Public Acceptance, UC Berkeley, Berkeley, CA, October 16, 2008
  23. Policies (and Politics) for the Management of Carbon, Gordon Conference in Industrial Ecology, New London, NH, August 18, 2008
  24. Policy and practice: Regulation of Carbon Capture and Sequestration, CSIRO, Brisbane Australia, July 14, 2008
  25. Legal Aspects of Carbon Capture and Storage, American Bar Association Section of Environment, Energy and Resources, National Teleconference, June 20, 2008
  26. Property Rights and Access Issues, Launch of the International CCS Regulators' Network, International Energy Agency, Paris, France, May 13-14, 2008
  27. Liability: Comparing Nuclear Waste and Carbon Capture and Storage, Joint ICTP-IAEA Meeting on Technical and Environmental Issues Related to Geological Storage of Carbon Dioxide and Nuclear Wastes, Trieste, Italy, April 14-18, 2008
  28. Deploying Carbon Capture and Storage: International Regulatory and Legal Considerations, Department of Civil Engineering, Rice University, Houston TX, December 10, 2007
  29. School Travel and the Implications for Advances in Transportation Related Technology, Advanced Transportation Technologies Seminar Series, University of Minnesota, Minneapolis, MN, November 20, 2007
  30. Coal and Carbon Capture and Sequestration, Program on Energy and Sustainable Development Review, Stanford University, Palo Alto, CA, November 13-14, 2007
  31. Recommendations by the International Risk Governance Council for the Regulation of CCS, Conference on Regulating and Financing Carbon Capture and Storage, Swiss-Re Centre for Global Dialogue, Rüschtikon, Switzerland, November 7-8, 2007
  32. Carbon capture and storage in the context of climate change, Swiss-Re Risk Talk, Swiss Re Center for Global Dialogue, Rüschtikon, Switzerland, November 8, 2007
  33. Managing Carbon Sequestrations—Risks within a Larger Context, Workshop on Moral Considerations for Carbon Capture and Sequestration, Rio de Janeiro, Brazil, October 30-November 1, 2007
  34. DISCCRS III Symposium, NSF sponsored symposium for young researchers working on climate issues, Hawaii National Park, HI, September 10-17, 2007
  35. Technology Embedded within a larger Socio-Political Context, Carbon Capture and Sequestration Social Research Network Meeting, Banff, Canada, September 19-20, 2007
  36. Carbon Capture and Sequestration: The Policy Context, Research Experience on Carbon Sequestration, Bozeman, MT, August 5-6, 2007
  37. Considerations for Carbon Sequestration. Seminar for Program on Energy and Sustainable Development, Stanford University, Palo Alto, CA, July 24, 2007
  38. Regulatory and Legal Aspects for Carbon Capture and Sequestration, presentation to the Earth Sciences Board, National Research Council, Washington DC, May 31, 2007
  39. Adaptive Management for CCS. Plenary Talk, 6<sup>th</sup> Annual Conference on Carbon Capture and Sequestration, Pittsburgh, PA, May 7-10, 2007
  40. Policy Considerations for a Carbon Managed Energy System, Mechanical Engineering Seminar, University of Minnesota, Minneapolis, MN, February 14, 2007
  41. Speaker with "The Future of Minnesota's Energy" by the MN Chamber of Commerce, St. Paul,

MN, Feb 21, 2007

42. Carbon Sequestration, Resources for the Future, Washington DC, December 7, 2006
43. CCS Regulatory and Legal Issues. Summit on Coal Technology and Policy, Columbia University, New York, NY, October 12-13, 2006
44. Liability Working Group Efforts: CCS Regulatory and Legal Issues, WRI Workshop on Liability, Washington DC, September 29, 2006
45. CCS Regulatory and Legal Issues. Big Sky Carbon Sequestration Partnership, Big Sky MT, September 19-20, 2006
46. New Initiatives: Climate and Energy, with University of Minnesota Delegation, Norwegian University of Life Sciences, Ås, Norway, September 11, 2006
47. Conversations on Sustainability: Global Change, Energy Use, and Solutions for the Future, Minneapolis, MN, April 19, 2006
48. Geological Sequestration Embedded: Regulatory Structures and Liability Considerations, Strategic Initiatives for Coal and Power Workshop, Wye Conference Center, Queenstown, MD, March 30, 2006
49. Air, Water and Waste Conference, Minneapolis, MN Energy Futures of Minnesota, St. Paul, MN, February 15, 2006
50. Climate Change: Science, Technology and Public Policy, Civil Engineering Seminar, University of Minnesota, Minneapolis, MN, February 19, 2006
51. Regulatory and Legal Considerations for Carbon Capture and Sequestration, Applied Economics Seminar Series, University of Minnesota, St. Paul, MN, November 7, 2005

#### Conferences Organized

- Organization Committee, Bio-fuels, Carbon and Trade. Minneapolis, MN. October 22-23, 2007
- Co-organizer (with Harvey Thorleisen, Director of the Minnesota Geological Survey), Prospects for CO<sub>2</sub> Sequestration in the Upper Midwest. Minneapolis, MN. March 21, 2007
- Co-organizer (with Granger Morgan of Carnegie Mellon University), International Risk Governance Council Workshop on Geologic Sequestration. Washington DC. March 15-16, 2007

#### Legislative Testimony

- MN Senate Energy Committee, on Global Warming Mitigation Act, February 2, 2007
- MN House Energy Committee, for Energy Efficiency and Conservation Bill, March 3, 2007
- Statement to European Commission and UNFCCC (with the International Risk Governance Council) on Regulation for Carbon Capture and Storage, April 2007 and May 2007

#### Media

- Interviewed by WCCO on how China's energy use could affect US consumers, Minneapolis, MN, June 9, 2011
- Interviewed by WCCO on high oil and gas prices, Minneapolis, MN, April 27, 2011
- Interviewed by KSTP on high oil and gas prices, Minneapolis, MN, April 27, 2011
- Quoted by Brian Walsh in *Time Magazine* on U.S.-China Energy cooperation, January 18, 2011, <http://www.time.com/time/health/article/0,8599,2042690,00.html>
- Quoted by New York Times reporter, Elisabeth Rosenthal, on school travel and mode choice, March 26, 2009 [http://www.nytimes.com/2009/03/27/world/europe/27bus.html?\\_r=1](http://www.nytimes.com/2009/03/27/world/europe/27bus.html?_r=1)
- Interviewed by Star Tribune March 23, 2009 on coal use
- Interview by Wall Street Journal reporter Rob Tomsho on school transportation and school choice. September 4, 2008
- Interviewed by Climate Wire reporter Evan Lehmann on liability and CCS. August 12, 2008
- Interview by Business Week reporter Ben Elgin on subsurface property rights for CCS. May 28, 2008
- Quoted in Star Tribune, on climate and energy issues. June 6, 2008
- Interview WJON morning show, St. Cloud, MN. May 22, 2007
- Interview with Tom Hauser on At Issue, KSTP, Minneapolis, MN. May 20, 2007
- Global Warming Roundtable, Minnesota Public Radio, April 3, 2007, rebroadcast on Mid-Morning April 4, 2007
- Interviewed by Star Tribune on Global Warming. Article published February 4, 2007

- Midmorning with Gary Eichman to speak on Global Warming. February 2, 2007
- WCCO Morning Radio Program, Guest on Energy Policy and Fuel Prices. April, 18, 2006.
- Los Angeles Times, Janet Wilson, Interview for feature on Carbon Capture and Sequestration. September 14-15, 2006
- Time Magazine, Interview Mark Hequet with on policies to drastically reduce oil consumption. August 31, 2006
- KSTP-TV (ABC affiliate), Interview with Mike Maybay for 10pm news on Mark Kennedy's energy campaign aired August 21, 2006
- WCCO, Interview for evening news segment on international gasoline tax , Ben Tracy. June 6, 2006
- KSTP-TV (ABC affiliate), Interview with Tom Hauser on oil and gasoline prices for At Issue. aired April 30, 2006
- KFAI radio program organized by HHH students Karisha Kulpers and Sarah Thompson. March 10, 2005

**Completed  
Research  
Projects  
(sponsored)**

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|---|-------------|
| • Co-PI (with Tim Smith): Institutional considerations for greenhouse gas reductions: Survey and assessment of conservation improvement programs in Minnesota, Consortium on Law Values and the Environment (Awarded August 2006)                   | \$32,900    |
| • Head, Liability Working Group, World Resources Institute Carbon Capture and Sequestration Project (2006)  | \$10,000    |
| • Co-PI (with Kevin Krizek): Impacts of school choice on travel mode, environmental emissions and risk, State and Local Policy Program (Awarded November 2006)  | \$12,000    |
| • Co-PI (with Granger Morgan): Regulation on Carbon Capture and Sequestration, International Risk Governance Council (Awarded October 2006)   | \$204,000   |
| • PI (with Kevin Krizek and Julian Marshall): School Travel and the Implications for Advances in Transportation Related Technology, Techplan, ITS Institute (Awarded January 2007)  | \$84,400    |
| • Co-PI (with Julian Marshall, David Kittleson, and Laurie McGinnis): Assessment of Transportation Policy and Technology Options to Reduce Greenhouse Gas Emissions in Minnesota, Center for Transportation Studies (Awarded July 2007) (\$100,000) | \$300,000   |
| • Co-PI (with Julian Marshall): Decision tools for assessing transportation impacts of school policy and school choice, Techplan, ITS Institute (Awarded September 2008)  | \$78,800    |
| • PI (with Jennie Stephens and Tarla Rai Peterson): Diffusion of Emerging Energy Technologies within a State Context, National Science Foundation (Awarded September 2007) (\$133,000)  | \$390,000   |
| • Co-PI (with Granger Morgan): Regulation for Carbon Capture and Sequestration, Doris Duke Charitable Foundation (Awarded January 2008) (\$200,000)   | \$1,800,000 |
| • PI: State Climate Action Planning: Geography of Regional and National Climate and Renewable Energy Policy, Initiative on Renewable Energy and the Environment (Awarded March 2009)  | \$69,100    |

**Ongoing  
Research  
Projects  
(sponsored)**

- |   |             |
|---|-------------|
| • Co-I (with Martin Saar and others): Combining Geothermal Energy Extraction and CO2 Sequestration to Produce Clean, Renewable, Carbon Negative Electricity, Initiative on Renewable Energy and the Environment (Awarded March 2009) (\$60,000) | \$600,000   |
| • Co-PI (with Catherine Peters PI, Princeton University and Brookhaven National Laboratory): Basin-Scale Leakage Risks from Geologic Carbon Sequestration: Impact on CCS Energy Market Competitiveness (Awarded August 2009) (\$500,000)        | \$1,867,000 |
| • Pumped Hydro Energy Storage (PHES) Using Abandoned Mine Pits on the Mesabi Iron Range of Minnesota (Awarded July 2010) (\$50,000)   | \$285,000   |

**Review Activity**

- Peer Reviewer, research manuscripts for:

*Sustainability (2010)*  
*Science (2009)*  
*Applied Energy (2009, 2010)*  
*Environment and Planning, A (2009)*  
*Transportation and Research A: Policy and Practice (2009)*  
*International Journal of Greenhouse Gas Control (2007, 2008, 2009)*  
*Climate Policy (2008)*  
*Environmental Research Letters (2008)*  
*Landscape and Urban Planning (2008)*  
*Environmental Science and Technology (2005, 2008, 2010)*  
*Journal of Solar Energy Engineering, ASME (2007)*  
*American Association of Petroleum Geologists (2006)*  
*Journal of the American Planning Association (2006)*  
*Environmental Conservation (2006)*  
*Environmental Management (2006)*  
*Waste Management and Research (2006)*

**University Service**

- HHH Promotion and Tenure Committee, 2010-2011
- HHH Awards Committee, 2010-2011
- Search Committee for Energy Economist, Applied Economics, 2008
- University-wide Sustainability Goals and Outcomes Committee, Summer 2008
- Fellow, Institute on the Environment, 2010-2013
- Founding Fellow, Institute on Environment, 2007-2008
- HHH Operations Committee, 2005-2007
- HHH Curriculum Committee, 2007, 2008
- HHH Denny Chair Search Committee, 2006-2007, 2007-2008
- Institute on the Environment Director Search Committee, 2007-2008
- Consortium on Law and Values in Health, Environment & the Life Sciences and the Joint Degree Program in Law, Health & the Life Sciences, Degree Program Representative, 2006-2007
- Guest lectures in Departments of Ecology, Evolution and Behavior, Computer and Electrical Engineering, Civil Engineering, Chemical Engineering, Architecture and Design, the Law School, the Carlson School of Management

**Professional Service**

- Co-chair of APPAM Fall Conference Energy and Environment Committee (2009, 2010, 2011)

**Consulting Experience**

- Sierra Club, 2008
- International Atomic Energy Agency, 2008
- International Council on Risk Governance, 2007
- World Resources Institute, 2006, 2007
- Union of Concerned Scientists 2009

**Professional Experience**

- Environmental Scientist, *Office of Research and Development, U.S. Environmental Protection Agency*, Research Triangle Park, NC (1999-2005)  
 Performed and published technology assessments within a multidisciplinary global change context, Contributed to IGCC Special Report on Carbon Capture and Storage.
- Researcher, *Centre Entreprise-Environnement, LAG Management School, Catholic University of Louvain*, Louvain-la-Neuve, Belgium, (1996-1999)  
 Explore use of Life Cycle Analysis tools in municipal solid waste management and planning, Assess effectiveness of integrated waste and resource management in 11 European cities, analyzing factors that influence system management, decision-making, and policy choice, Lead international, interdisciplinary research team on municipal planning, solid waste and recycling management.

- Program coordinator, *San Francisco Clean City Coalition*, San Francisco, CA (1994-1995)
- Executive Assistant, *Co-operation Section, Belgian Embassy of Tanzania*, Dar es Salaam, Tanzania (1993-1994)
- Environmental Educator, *U.S. Peace Corps*, Gitega, Burundi (1992-1993)
- Intern, *United Nations Environment Programme*, Nairobi, Kenya (1990)

**Student Papers  
Advised**

- Sarah Johnson—MS/JD 2009
- Joel Larson—MPP 2009
- Steve Cayford—MS 2009
- Andrew Gibbons—MS/JD 2008
- Melisa Pollak—MS 2008
- Margaret Linnak—Ph.D. Committee, Chemical Engineering (ongoing)
- Douglas Stauffer—Ph.D. Committee, Materials Science (ongoing)
- Miriam Fischlein—Ph.D. Committee, Natural Resources (ongoing)
- David Rennard—Ph.D. Committee, Chemical Engineering (ongoing)
- Stacey Miller—MS (ongoing)
- Rane Cortez—MS 2007, Winner Lloyd B. Short Award
- Joe Plummer—MS 2007
- Kyle MacLaury—MS 2006
- Rong Yu—MS 2006

**Outreach,  
Professional  
Service, and  
Languages**

- Member, Association of Public Policy Analysis and Management
- Member, Society for Risk Analysis
- Member, American Association for the Advancement of Science
- Board Member, Neighborhood Energy Consortium, St. Paul, MN (2006-2009)
- Board Member, Fresh Energy (2008-present)
- Strong French, Good Spanish, Fair Swahili, Chinese in progress