

Jennie C. Stephens, Ph. D.

Associate Professor
Blittersdorf Professor of Sustainability Science & Policy
Rubenstein School of Environment & Natural Resources
College of Engineering and Mathematical Sciences
University of Vermont, Burlington, VT USA
jennie.stephens@uvm.edu (617) 784-0295
<http://blog.uvm.edu/jstephe1/>

Academic Positions

Associate Professor, Blittersdorf Professor of Sustainability Science & Policy (2014-present)
Fellow, Gund Institute for Ecological Economics (2014-present)
University of Vermont, Burlington, VT USA

Associate Fellow (2015-present), **Tellus Institute**, Boston MA USA

Associate Professor (2012-2014), Assistant Professor (2005-2012) of Environmental Science & Policy
Clark University, Worcester, MA USA

Associate, Science, Technology & Public Policy Program, ETIP Research Group (Spring 2013)
Research Associate, Energy Technology Innovation Policy (ETIP) Research Group (2005-2011)
Harvard Kennedy School, Cambridge, MA USA

Post-Doctoral Research Scholar, Belfer Center for Science and International Affairs (2002-2005)
Harvard Kennedy School, Cambridge, MA USA

Visiting Lecturer, Environmental Policy Group, Dept. of Urban Studies and Planning (2004-2005)
Massachusetts Institute of Technology, Cambridge, MA USA

Adjunct Lecturer. **Boston University**, Department of Earth Sciences, Boston, MA, USA (2003)
Adjunct Lecturer, **Tufts University**, Medford, MA USA (Spring 2003)

Education

PhD California Institute of Technology, Pasadena, CA (2002) Environmental Science & Engineering
MS California Institute of Technology, Pasadena, CA (1998) Environmental Science & Engineering
BA Harvard University Cambridge, MA (1997) Environmental Science & Public Policy

Awards, Honors and Fellowships

- Leopold Leadership Fellowship, Stanford Woods Institute for the Environment. 2015-2016
- Henry J. Leir Luxembourg Program-Clark University (LLP-CU) Conference Award. April 2014
- Faculty Community Engagement Award, Colleges of Worcester Consortium. March, 2013
- Excellence in Teaching Award, Department of IDCE, Clark University. May 2011
- Exceptional Merit Faculty Award, Clark University, 2008
- USEPA Science to Achieve Results (STAR) Fellowship for Graduate Study, 1999-2002
- Achievement Rewards for College Scientists (ARCS) Fellowship, 2000-2002
- National Science Foundation (NSF) Graduate Fellowship, 1998-1999
- Harvard College Research Fellowship and Dean's Research Award, 1996
- Pforzheimer Student Fellowship, Radcliffe College, 1994-1995

Funded Research Projects

STEM-ED Initiative, U of Vermont <i>Integrated Climate and Energy Education in STEM Schools and Programs</i> 2015-2016 Collaboration with Simon Jorgenson	\$38,961
National Science Foundation NSF-SES-1316442 <i>RAPID Collaborative Research: Post-Sandy Discourse about Energy Infrastructure and Security</i> . Stephens award \$15,127 3/13 – 2/14	\$60,000
National Science Foundation NSF-SES 1127697. <i>Collaborative Research: Smart Grid: An Analysis of How Socio-Political Contexts Shape Energy Technology Development and Policy</i> . Stephens award \$175,192 includes \$8,442 REU for undergrad research. 2011-2014	\$495,000
US Department of Agriculture , National Institute of Food & Agriculture 2011-67003-30346 <i>Understanding Biogeochemical Cycling in the Context of Climate Variability Using a Regional Earth System Modeling Framework</i> . w/ Wash. State U. Stephens Award \$146,169 2011-2016	\$3,030,000
Mosakowski Institute for Public Enterprise, Clark University. <i>Smart Grid Development in Worcester, MA</i> . Faculty Research Support. 2013-2016	\$34,000
Mosakowski Institute for Public Enterprise. <i>Public, Private & University Collaboration: Biotech and Green Energy Cluster Development</i> . Faculty Research Support. 2010-2012	\$21,600
National Science Foundation NSF-SES-0724257 <i>Collaborative Research: Diffusion of Emerging Energy Technologies within a State Context</i> Clark Award \$133,293. 2007-2011	\$390,000
NSF Research Experiences for Undergraduates (REU) 2008-2011	\$14,676

Publications | Books

1. **Stephens, JC**, EJ Wilson, TR Peterson. 2015 Smart Grid (R)Evolution: Electric Power Struggles. Cambridge University Press. New York, NY.
2. Climate Change: An Encyclopedia of Science and History. 2013. Editors: BC Black, DM Hassenzahl, **JC Stephens**, G Weisel, & N Gift. ABC-Clio Publishers. Santa Barbara, CA.

Peer-reviewed Journal Articles (underline denotes student co-author)

- | | |
|------|---|
| 2016 | <ol style="list-style-type: none"> 1. Jorgenson, SN, Stephens, JC, & <u>White, B</u>. In Review. Engaging Environmental Education with the Climate-Energy Nexus. <i>Journal of Environmental Education</i>. In Review 2. <u>Allen, E</u>, Stephens, JC, Yorgey, G, Kruger, C., <u>Ahamed, S</u>, Adam, JC. In Review. Climate Science Information needs among Northwest US natural resource decision-makers. <i>Environmental Management</i>. In Review. 3. <u>Strubb, A</u>, MJ Peterson, TR Peterson, JC Stephens, EJ Wilson. Communicating Smart Grid in a Segmented Society. Submitted to <i>Mass Communication and Society</i>. In Review. 4. Mallett, A, JC Stephens, EJ Wilson, <u>R Langheim</u>, <u>R Reiber</u>, TR Peterson. Electric Connections: News Coverage of Smart Grid in the US and Canada. Submitted to <i>Renewable & Sustainable Energy Reviews</i>. In Review. 5. Feldpausch-Parker, AM, JC Stephens, <u>R Collins</u>, <u>JR Chisholm</u>, TR Peterson, EJ Wilson. Smart Grid Electricity System Planning Post-Superstorm Sandy: Analysis of Climate and Energy Discourse. Submitted to <i>Renewable & Sustainable Energy Reviews</i>. In Review. 6. <u>Cody, EM</u>, Stephens, JC, Bagrow, J.P, Dodds, PS, Danforth, CM. 2016 Transitions in Climate and Energy Discourse Between Hurricanes Katrina and Sandy. <i>Journal of Environmental Studies and Science</i>. DOI 10.1007/s13412-016-0391-8 7. Pearl-Martinez, R, JC Stephens. 2016. Toward a Gender Diverse Workforce in the Renewable Energy Transition. <i>Sustainability: Science, Practice and Policy</i>. Vol 12, No 1. |
| 2015 | <ol style="list-style-type: none"> 8. Peterson TR, JC Stephens, Wilson, EJ. Public Perception of and Engagement with Emerging Low-Carbon Energy Technologies: A Literature Review. <i>MRS Energy and Sustainability</i>. Vol 2, e11. p.1-14 9. Stephens, JC. Carbon Capture and Storage: A Controversial Climate Mitigation Approach <i>The International Spectator</i>. Vol. 50, No. 1, March 2015 10. Adam, JC, JC Stephens, SH Chung, MP Brady, RD Evans, CE Kruger, BK Lamb, et al. 2015. BioEarth: Envisioning and developing a new regional earth system model to inform natural and agricultural resource management <i>Climatic Change</i>. Vol 129. p.555-571 |
| 2014 | <ol style="list-style-type: none"> 11. Stephens, JC, EJ Wilson, TR Peterson. 2014. Socio-political Evaluation of Energy Deployment (SPEED): A Framework Applied to Smart Grid. <i>UCLA Law Review</i> 61(6): 1930-1961 12. Stephens, JC. 2014. Time to Stop CCS Investments and End Government Subsidies of Fossil Fuels. <i>Wiley Interdisciplinary Reviews: Climate Change</i>. 5: 169-173 DOI:10.1002/wcc.266 13. <u>Fischlein, M</u>, AM Feldpausch-Parker, TR Peterson, JC Stephens, EJ Wilson. 2014. Which way does the wind blow? Analysing the State context for Renewable Energy Deployment in the United States. <i>Environmental Policy & Governance</i>. 24(3): 169-187. |
| 2013 | <ol style="list-style-type: none"> 14. <u>Koenigs, C.</u>, <u>Suri, M.</u>, <u>Kreiter, A</u>, <u>Elling, C</u>, <u>Eagles, J.</u>, Peterson, TR, Stephens, JC, Wilson, EJ. 2013. A Smarter Grid for Renewable Energy: Different States of Action. <i>Challenges</i>. 4(2) 217-233. 15. Stephens, JC, EJ Wilson, TR Peterson & J. Meadowcroft. 2013. Getting Smart: Climate Change and the Electric Grid. <i>Challenges</i>. 4 (2) 201-216. 16. <u>Allen, E</u>, C Kruger, FY Leung, Stephens, JC 2013. Diverse Perceptions of Stakeholder Engagement within an Environmental Modeling Research Team. <i>Journal of Environmental Studies and Science</i>. doi 10.1007/s13412-013-0136-x 17. <u>Feldpausch-Parker, AM</u>, <u>R Chaudhry</u>, JC Stephens, <u>M Fischlein</u>, DM Hall, LL Melnick, TR Peterson, <u>CJ Ragland</u>, EJ Wilson. 2013. Spreading the News on Carbon Capture and Storage: A State-Level Comparison of US Media. <i>Environmental Communication</i>. 7(3) 336-354 |

Publications
(Cont.) 2013

Peer-reviewed Journal Articles (continued)

18. Jiusto, S., McCauley, S., & **Stephens, JC** 2013. Integrating Shared Action Learning into Higher Education for Sustainability. *Journal of Sustainability Education*. Vol. 5.
19. Chaudhry, R, M Fischlein, J Larson, DM Hall, TR Peterson, EJ Wilson, **JC Stephens**. 2013. Policy Stakeholders' Perceptions of Carbon Capture and Storage (CCS): A Comparison of Four US States. *Journal of Cleaner Production*. Vol. 52, p. 21-32
20. Boyd, AD, Y Liu, **JC Stephens**, E Wilson, M Pollak, TR Peterson, E Einsiedel & J Meadowcroft. 2013. Controversy in Technology Innovation: Contrasting Media and Expert Risk Perceptions of the Alleged Leakage at the Weyburn Carbon Dioxide Storage Demonstration Project. *International Journal of Greenhouse Gas Control*. Vol. 14, p. 259-269
21. Fischlein, M, EJ Wilson, **JC Stephens**, TR Peterson. 2013. States of transmission: moving towards large scale wind power. *Energy Policy*. Vol. 56. p.101-113
22. McCauley, SM & **Stephens, JC** 2012 Green Energy Clusters & Socio-Technical Transitions: Analysis of a Sustainable Energy Cluster for Regional Economic Development in Central Mass. USA. *Sustainability Science*. Vol 7. No. 2 p. 213-225
- 2011 23. **Stephens, JC**, A Hansson, Y Liu, H de Coninck, S. Vajjhala. 2011. Characterizing the Internat'l Carbon Capture & Storage Community. *Global Environmental Change*. 21:379-390
24. Markusson, N, A Ishii, **JC Stephens**. 2011. The Social and Political Complexities of Learning in CCS Demonstration Projects. *Global Environmental Change*. 21: 293-302
25. Boyle, ME, Ross, L. **JC Stephens**. 2011. Who has a Stake? Stakeholder Salience and the Sustainability of Community-University Partnerships. *Gateways: International Journal of Community Research and Engagement*. Vol. 4 p. 100-118
26. Fischlein, M, J Larson, D Hall, R Chaudhry, **JC Stephens**, TR Peterson, EJ Wilson. 2010. Policy stakeholders & deployment of wind power in the sub-national context: a comparison of four U.S. states. *Energy Policy* 38: 4429–4439
- 2010 27. **Stephens, JC** & S Jiusto. 2010. Assessing Innovation in Emerging Energy Technologies: Socio-Technical Dynamics of Carbon Capture and Storage (CCS) and Enhanced Geothermal Systems (EGS) in the USA. *Energy Policy*. 38: 2020-2031
28. **Stephens, JC** & AC Graham. 2010. Toward an empirical research agenda for sustainability in higher education: exploring the transition management framework. *Journal of Cleaner Production*. 18: 611-618
29. **Stephens, JC**, G Rand, L Melnick. 2009. Wind Energy in the Media: A Comparative State-Level Analysis of a Critical Climate Change Mitigation Technology. *Environmental Communication: A Journal of Nature and Culture*. Vol. 3. No. 2 p.168-190.
- 2009 30. EJ Wilson and **JC Stephens**. 2009. Wind in a Carbon-Managed World: States, Resources, Policy and Discourse. *Environmental Science and Technology* 43 (24): 9063–9070
31. **Stephens, JC**, EJ Wilson, TR Peterson. 2008. 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 32. **Stephens, JC** & DW Keith, 2008. Assessing Geochemical Carbon Management. *Climatic Change*. 90 (3): 217-242
33. **Stephens, JC**, ME Hernandez, M. Román, AC Graham, & RW Scholz. 2008. Higher Education as a Change Agent for Sustainability in Different Cultures and Contexts. *International Journal for Sustainability in Higher Education*. 9 (3): 317-338
- 2006 34. **Stephens, JC** 2006. Growing Interest in Carbon Capture and Storage (CCS) for Climate Change Mitigation. *Sustainability: Science, Practice, and Policy*. Vol. 2, Iss. 2.
- 2004 35. **Stephens, JC** & JG Hering 2004. Factors Affecting the Dissolution Kinetics of Volcanic Ash Soils: Dependencies on CO₂, pH & organic acids. *Applied Geochemistry*. Vol 19, No 8, p 1217-1232
- 2002 36. **Stephens, JC** and JG Hering. 2002. Comparative Characterization of Volcanic Ash Soils Exposed to Decade-Long Elevated Carbon Dioxide Concentrations at Mammoth Mountain, California. *Chemical Geology*. Vol. 186 No. 3-4, p. 301-313

Publications
(Cont.) 2016

Book Chapters

1. Ram, B & **Stephens, JC** Under Review. *Risk Conundrums of the Renewable Energy Transition*. In *Risk Conundrums: Solving Unsolvable Problems*. Ed. R. Kasperson
2. Allen, E. & **Stephens, JC**. In Press. *Enhancing "Usability" of Climate Information and Models through Stakeholder Engagement*. In *Information, Models, and Sustainability: Policy Informatics in the Age of Big Data and Open Government*. Eds. J. Zhang, L. Luna-Reyes, T.A. Pardo, D.S. Sayogo. Springer.
- 2014 3. **Stephens, JC** 2014 *Integrating Sustainability Theory and Practice: Liberal Education and Effective Practice (LEEP™) at Clark University*. In *Teaching Sustainability: Perspectives from the Humanities and Social Sciences*. W. P. Boring & W. Forbes (Eds.), Texas A&M Press.
- 2013 4. **Stephens, JC** 2013 *Carbon Capture and Storage (CCS) in the USA*. Chapter in *Low Carbon Development: Key Issues*. Ed. F. Urban, London: Earthscan
5. **Stephens, JC** & S McCauley. 2013. *Clusters in Transition: Analysis of a Sustainable Energy-Cluster Initiative in Worcester, Massachusetts, USA*. Chapter In *Sustainable Lifestyles in a New Economy: Ecological Macroeconomics, Socio-technical Transitions, and Social Practices* Eds. M. Cohen, H.S. Brown, & P. Vergragt. Edward Elgar Publishing. Cheltenham, UK.
6. **Stephens, JC** & Y Liu. 2012. *The Evolving International CCS Community*. in *The Social Dynamics of Carbon Capture & Storage*. Eds: N. Markusson, S. Shackley, & B. Evar. Routledge
7. Markusson, N, A Ishii & **JC Stephens**. 2012. *Learning in CCS Demonstration Projects: Social and Political Dimensions* in *The Social Dynamics of CCS*. (Eds) N. Markusson, S. Shackley, & B Evar. Routledge.
- 2009 8. **Stephens, JC** 2009. *Technology Leader, Policy Laggard: Carbon Capture and Storage (CCS) Development for Climate Mitigation in the U.S. Political Context*. Chapter 2 in *Caching the Carbon: The Politics and Policy of Carbon Capture and Storage*. (Eds) J. Meadowcroft & O. Langhelle. Edward Elgar Publishing. Cheltenham, UK.
9. **Stephens, JC** 2009. *Socio-political Drivers in the Development of Deliberate Carbon Storage*. Chapter in *Carbon Sequestration and Its Role in the Global Carbon Cycle* (Eds) McPherson, J.M. and Sundquist, E. American Geophysical Union. Washington DC, USA
10. **Stephens, JC** 2006. *CCS (Carbon Capture and Storage): Research is not Enough* Chapter in *The World Energy Book*. Issue 2. p. 15-18. World Energy Council Publication.

Other Publications: Including Op-Eds, Policy Perspectives and Practitioner Reports

- 2016 1. **Stephens, JC**. 2016. Presidential candidates offer sharp differences on the future of renewable energy. *The Conversation*. March 3, 2016 (also published in French 3/7/16)
2. **Stephens, JC**. 2016. Beyond Technology: Why the Energy Transition Needs Social Science. *Solar Electric Power Association*. Feb 11, 2016
3. **Stephens, JC.** & Wilson, EJ. 2016. Climate Change, Technological Innovation: A US Response. *Bulletin of the Atomic Scientists*. Vol. 72, No. 1 4-6.
- 2015 4. **Stephens, JC.** & Wilson, EJ. 2015. The Paradox of Paris. *Bulletin of the Atomic Scientists* Roundtable. Dec 9, 2015
5. **Stephens, JC.** & Wilson, EJ. 2015. Bright Spots Big Potential. *Bulletin of the Atomic Scientists* Roundtable. Nov 5, 2015.
6. **Stephens, JC.** & Wilson, EJ. 2015. Climate Change, Renewable Energy, and Letting Conventional Wisdom Go. *Bulletin of the Atomic Scientists* Roundtable. Oct 21, 2015.
7. Massell, D. **JC Stephens**, R Watts. 2015. Cross-currents Abound at UVM Hydro Forum. Burlington Free Press. Burlington VT. March 27, 2015
- 2014 8. Anadon, L. D., K. Matus, S. Moon, G. Chan, A. Harley, S. Murthy, V. Timmer, A. A. Latif, K. Araujo, K. Booker, H. Choi, K. Dubrawski, L. Friedlander, C. Ingersoll, E. Kempster, L. Pereira, **JC Stephens**, L. Vinsel & W. C. Clark. 2014. Innovation & Access to Technologies for Sustainable Development. Sustainability Science Program Working Paper 2014-1 Cambridge, MA USA, Harvard Kennedy School.

- Publications (Cont.)**
- Other Publications: Including Op-Eds, Policy Perspectives and Practitioner Reports (Cont)**
- 2014 9. Langheim, R, M Skubel, X Chen, W Maxwell, TR Peterson, EJ Wilson and JC Stephens. 2014 Smart Grid Coverage in U.S. Newspapers: Characterizing Public Conversations. *The Electricity Journal*. Vol. 27 No. 5 p. 77-87
10. **Stephens, JC.** 2013. *The Potential of a Smarter Grid*. Op-Ed Worcester T&G. July 16, 2013
11. Boyle, ME, S McCauley, **JC Stephens, J Zhang.** 2012. *Lessons from the Biocluster: Report & Recommendations*. Report for Board of Trustees, Mass. Biotech Initiative (MBI). April 2012
- 2011 12. **Stephens, JC** 2011. *An Uncertain Future for Carbon Capture and Storage*. Public Interest Report (PIR): A Magazine for Science & Security (64)2. Fed. of Amrcn Scientist Magazine
13. **Stephens, JC** 2011. *Leadership and Learning: A Faculty Perspective* Editorial piece in Mageuzi. IDCE, Clark University. May 2011
14. de Coninck, H, **JC Stephens.** B Metz. 2009. *Global Learning on Carbon Capture and Storage: A Call for Strong International Cooperation on CCS Demonstration*. Energy Policy. (37)6, p. 2161-2165
- 2008 15. **Stephens, JC & AC Graham.** 2008. *Climate Science to Citizen Action: Urgent Need to Energize Non-Formal Climate Science Education*. EOS. American Geophys. Union. (89)22, p. 204-205
16. Bielicki, J and **JC Stephens** 2008. *Public Perception of Carbon Capture and Storage Technology Workshop Report*. ETIP Workshop. Harvard Kennedy School. Cambridge, MA USA
17. **Stephens, JC** 2007. *Community Engagement in a First-Year Seminar*. New England Faculty Development Consortium (NEFDC) Exchange. Vol. 17. No. 2. Spring 2007. p. 9-10
- 2005 18. **Stephens, JC** 2005. *Coal Technologies for a CO₂-Constrained World: Current Challenges of Advancing These Technologies* OGEL (Oil, Gas, Energy Law Intelligence) Special Issue on Coal. Fall 2005
19. **Stephens, JC & D Keith.** 2005. Health, Safety and Environmental Risks of CO₂ Storage. Module 8. & Regulatory & Legal Aspects of Carbon Storage. Module 10, in Asian-Pacific Economic Cooperation (APEC) Training Manual on CO₂ Capture & Geological Storage
20. **Stephens, JC & B van der Zwaan.** 2005. The Case for Carbon Capture and Storage. In *Issues in Science and Technology*. XXII, no. 1 (Fall 2005): 69-76
21. **Stephens, JC** and K Sims Gallagher. 2005. Untie Utilities Hands on Coal. Op-ed in *The Albuquerque Journal*. March 10, 2005
- 2002 22. **Stephens, JC** 2002. *Response of Soil Mineral Weathering to Elevated Carbon Dioxide*. Ph.D. Thesis. Dept. of Environmental Science & Engineering, Caltech, Pasadena, CA USA
23. **Stephens, JC** 1997-98. Factors limiting the acceptance and use of innovative environmental technologies: A case study of the Solar Aquatics System™ (SAS) technology for wastewater treatment. *Journal of Environmental Systems*. Vol. 26, No. 2, p. 163-170
- 2015 **Conference Papers, Discussion Papers, and Working Papers (underline denotes student co-author)**
1. **Stephens, JC.** R Pearl-Martinez. 2015. Gender & Cultural Change in the Renewable Energy Transition: Distributing the Power for Social Change. Society for Social Studies of Science (4S). Denver Colorado, USA. November 11-14, 2015
2. **Stephens, JC.** 2015. Linking the Renewable Transition and Reduced Consumption: Contrasts within Germany and the USA. Workshop on “Renewable Energy Transitions & Sustainable Consumption Workshop” Luxembourg. June 26-29, 2015
- 2014 3. Wilson, EJ, **Stephens, JC,** Feldpausch-Parker, A, Peterson, TR. 2014. Adapting Energy Systems for Climate Instability: Learning from Superstorm Sandy. APPAM Conference Nov. 2014
4. Collins, R. Feldpausch, A., **Stephens, JC.** 2014. Hurricane Sandy, Energy System Change, Climate Change & RTOs. Industry Studies Association. Portland Oregon, May 27, 2014
5. Wilson, EJ, Peterson, TR. **JC Stephens.** 2013. Standardizing Smart: Informational Communication Technologies and the Environmental Promise of Smart Grid. Paper presented at Conference on ICT & Environmental Regulation. Galway, Ireland. June 20-21, 2013.
6. **Stephens, JC.** 2013. Competing Visions of Smart Grid and Sustainable Energy Clusters: The Critical Role of Socio-Political Context. International Workshop on “Smart Urbanism: Utopian Vision or False Dawn. University of Durham, UK June 20-21, 2013.
7. **Stephens, JC.** TR Peterson, EJ Wilson. 2013. Transformation or Status Quo: Competing Visions of ‘smart grid’ SCORAI international conference. June 12-14, 2013.

Publications
(Cont.) 2012

Conference Papers, Discussion Papers, and Working Papers (cont)

8. Stephens, N. & **JC Stephens** 2012. *Climate Discourse in National and Global Contexts: Bolivia, the U.S. and Global Justice Discourse*. International Conference on Culture, Politics and Climate Change. September 14-15, 2012. Boulder CO, USA.
9. Wilson, EJ, C Koenigs, M Suri, TR Peterson, **JC Stephens** 2012. *Smart Grid in Context: Technology and Policy Across Regions*. Western Energy Policy Conference. Aug 30-31, 2012. Boise Idaho, USA.
10. Feldpausch-Parker, A, R Chaudry, JC Stephens, M Fischlein, DM Hall, LL Melnick, TR Peterson, CJ Ragland, EJ Wilson. 2011. *A comparative state-level analysis of carbon capture and storage (CCS) discourse among energy stakeholders and the public*. 10th Intrnt'l Conference on Greenhouse Gas Control Technology. Published in: *Energy Procedia* 4: 6368-6375
11. Ragland, CJ, A Feldpausch-Parker, TR Peterson, **JC Stephens,** EJ Wilson. 2011. *Socio-political dimensions of CCS deployment through the lens of social network analysis*. 10th Int. Conference on Greenhouse Gas Control Technology. Published in: *Energy Procedia* 4: 6210-6217
12. **Stephens, JC,** N Markuson, & A Ishii. 2011. *Exploring framing and social learning in demonstration projects of carbon capture and storage* *Energy Procedia* 4: 6248-6255
- 2009 13. **Stephens, JC,** ME Hernandez, and ME Boyle. 2009. *Learning from University-Community Partnerships (Past and Present) for Sustainable Development*. George Perkins Marsh Institute Working Paper No. 2009-04. Clark University, Worcester, MA, USA
14. Jiusto, S, **JC Stephens,** E Boyd, S McCauley. 2009. *Drilling for Low-Carbon Energy Solutions: An Assessment of Two Alternatives*. Marsh Working Paper 2009-03. Clark, Worcester, MA, USA
15. **Stephens, JC** 2009. The Political Context of Carbon Capture and Storage (CCS) Advancement in the United States: A Technology Innovation Perspective. Paper presented at the International Studies Association Annual Meeting. February, 2009. New York, NY, USA
16. **Stephens, JC,** JM Bielicki, and GM Rand. 2009. *Learning about Carbon Capture and Storage (CCS); Changing Perceptions and Technology Experts*. Paper Presented at the 9th International Conference on Greenhouse Gas Control Technology. Published in: *Energy Procedia*. 1: 4655-4663
17. Wilson, EJ, Stephens, JC, Peterson, TR and Fischlein, M, 2009. *Carbon capture and storage in context: The importance of state policy and discourse in deploying emerging energy technologies*. 9th Intrntl. Conference on Greenhouse Gas Control Technology. In: *Energy Procedia*, 1(1): 4519-4526
- 2008 18. Graham, AC & **JC Stephens** 2008. Exploring Change Toward Sustainability in Universities by Adapting Transition Management. 5th Envrnmtl Management for Sustainable Universities (EMSU) Conference, A New Knowledge Culture, October 15-17, 2008. Barcelona, Spain
19. **Stephens, JC & P Verma** 2006 *Carbon Management and Stakeholder Perceptions in the U.S.A. and India* Proceedings of the Earth System Science Partnership Global Environmental Change Open Science Conference. November 9-12, 2006. Beijing, China
20. **Stephens, JC & P Verma.** 2006 *The Role of Environmental Advocacy Groups in the Advancement of Carbon Capture and Storage (CCS)* Proceedings of the 5th Annual Conference on Carbon Capture and Sequestration. May 8-11, 2006. Alexandria, VA, USA
21. **Stephens, JC & B van der Zwaan.** 2005 *CO₂ Capture and Storage (CCS): Exploring the Research, Development, Demonstration, and Deployment Continuum* Belfer Discussion Paper 2005-08. Harvard Kennedy School. Cambridge, MA USA
22. **Stephens, JC** 2005 *Coupling CO₂ Capture and Storage with Coal Gasification: Defining "Sequestration-Ready IGCC"*. Belfer Disc. Paper 2005-09. Harvard Kennedy School, Cambridge, MA USA

Presentations
2016

Invited Presentations

1. **Stephens, JC.** 2016. *Implementing Energy System Change: The Renewable Energy Transition*. National Academies of Science, Engineering & Medicine. Washington DC. April 28, 2016
2. **Stephens, JC.** 2016. *Innovations in Energy-Climate Education: Integrating Engineering & Social Sciences*. Carnegie Mellon University. Pittsburgh, PA. April 15, 2016
3. **Stephens, JC.** 2016 *Energy Democracy and Gender Diversity in the Energy Transition*. Santa Fe Institute. Santa Fe, New Mexico, March 30, 2016
4. **Stephens, JC.** 2016. *The Renewable Energy Transition and Smart Grid: Toward Energy Democracy*. Rutgers Energy Institute, New Brunswick, New Jersey. March 4, 2016
5. **Stephens, JC** 2016. *Smart Grid and the Renewable Energy Transition: Evolution or Revolution?* National Academies of Science, Engineering & Medicine. Washington DC. February 8, 2016

Presentations
(Cont.)

Invited Presentations (continued)

- 2015
6. **Stephens, JC.** 2016. *The Renewable Energy Transition and Smart Grid: Evolution or Revolution?* Northeastern University, Boston MA USA, January 25, 2016
 7. **Stephens, JC.** 2015 *Energy System Planning Post-Superstorm Sandy: Analysis of Climate and Energy Discourse.* UMass Boston, November 18, 2015
 8. **Stephens, JC.** 2015. *Energy Systems for Resilience.* Policy Research Summit on Economics. University of Vermont. Burlington, VT. November 17, 2015
 9. **Stephens, JC.** 2015. *Fossil Fuel Divestment: A Destablization Strategy in the Renewable Energy Transition.* Ontario Network for Sustainable Energy Policy. October 29, 2015
 10. **Stephens, JC.** 2015. *Vermont and the Renewable Energy Transition.* Vermont Agency for Natural Resources. Montpelier, VT. USA. October 21, 2015
 11. **Stephens, JC.** 2015. *Smart Grid and the Renewable Energy Transition: Evolution or Revolution?* Trinity College Dublin, Ireland. June 24, 2015
 12. **Stephens, JC.** 2015. *Power Struggles: Conundrums of the Renewable Energy Transition.* Olin College, Needham, MA, USA. April 27, 2015
 13. **Stephens, JC.** 2015. *Social Change in the Transition from Fossil Fuels to Renewable Energy Systems.* Clark University. Worcester, MA March 27, 2015
 14. **Stephens, JC.** 2015. *Power Struggles in the Renewable Energy Transition.* University of Massachusetts, Amherst, MA. March 4, 2015
 15. **Stephens, JC.** 2015. Guest Lecture in EE 295 Non-Carbon Based Electric Power Generation. UVM, Electrical Engineering Dept. Burlington, VT, USA Feb 23, 2015
- 2014
16. **Stephens, JC.** 2014. Panelist in Communication Workshop. National Summit on Smart Grid and Climate Change. Washington DC. December 3, 2014
 17. **Stephens, JC.** 2014. *Ending Fossil Fuel Investments for the Renewable Energy Transition.* Legislative Policy Research Summit on Climate Change. UVM Burlington, VT. Nov 18, 2014
 18. **Stephens, JC.** 2014. *Social Dimensions of the Renewable Energy Transitions.* Department of Public Service. Montpelier, VT. October 21, 2014.
 19. **Stephens, JC.** 2014. *Power Struggles in Energy System Transition.* Huxley Lecture. Western Washington University. Bellingham, WA, October 9, 2014
 20. **Stephens JC.** 2014. *Social Dimensions of Smart Grid.* IGERT Program Seminar. UVM. Burlington, VT October 1, 2014
 21. **Stephens, JC.** 2014. *Controversy in Climate Mitigation Investments: Technological Optimism in Carbon Capture & Storage.* School of Engineering. UVM. Burlington, VT Sept. 16, 2014
 22. **Stephens, JC.** 2014. *Renewable Energy Around the World: Challenges and Opportunities of Transition.* UVM Energy Action Seminar. Burlington, VT, September 8, 2014
 23. **Stephens, JC.** 2014. *Power Struggles: Social Dimensions of Energy System Change.* Gund Institute for Ecological Economics. UVM Burlington, VT September 5, 2014.
 24. **Stephens, JC.** 2014. *Academic Engagement in the Renewable Energy Transition.* Roger Kasperson Honorary Symposium. Tighlman Island, MD. May 12, 2014
 25. **Stephens, JC.** 2014. *Stakeholders' Perspectives on Smart Grids: Report on US Focus Groups.* US-Canada Smart Grid Research Workshop. Wakefield, Quebec May 7, 2014
 26. **Stephens, JC.** 2014. *The Renewable Energy Transition & Community Engagement.* University of Vermont, April 3, 2014. Burlington, VT. USA
 27. **Stephens, JC.** 2014. *Residential Solar in Massachusetts.* Guest speaker. U of Minnesota Humphrey School of Public Policy. February 24, 2014. Minneapolis, MN, USA
 28. **Stephens, JC.** 2014. *Energy Innovation & Climate Change: A Socio-Technical Systems Perspective on Smart Grid.* Worcester Polytechnic Institute, Jan 21, 2014, Worcester, MA
- 2013
29. **Stephens, JC.** 2013. *Smart Grid and SPEED: Socio-Political Evaluation of Energy Deployment.* UCLA Law School. November 1, 2013, Los Angeles, CA USA
 30. **Stephens, JC.** 2013. *Smart Grid and Climate Change.* Environmental Science and Engineering Seminar. Caltech. October 30, 2013. Pasadena, CA USA
 31. **Stephens, JC.** 2013. *Building a Sustainable Worcester.* Panelist. September 24, 2013 Hanover Theater, Worcester, MA USA
 32. **Stephens, JC.** 2013. *Environmental and Sustainability Science.* Guest Lecture Graduate School of Management Course: Greening the Organization. Clark University Sep 5, 2013

Presentations
(Cont.) 2013

Invited Presentations (continued)

33. **Stephens, JC.** 2013. *Policy Stakeholders' Perceptions of Carbon Capture and Storage: A Comparison of Four U.S. States.* Outreach Working Group, Regional Carbon Sequestration Partnership. July 18, 2013. Telecommunication.
34. **Stephens, JC.** 2013. *Competing Visions of Smart Grid and Sustainable Energy Clusters: The Critical Role of Socio-Political Context.* June 21, 2013. University of Durham, Durham, UK
35. **Stephens, JC.** & AC Graham 2013 *Climate-Energy Linkages in Literacy Initiatives & Public Discourse.* June 12, 2013. Garrison Institute. Climate, Mind, & Behavior Symposium. Garrison, NY USA
36. **Stephens, JC.** 2013. *The Smart Grid Vision & Sustainability.* April 24, 2013 Keynote. MA Sustainable Communities & Campuses Conference. DCU Center, Worcester, MA USA
37. **Stephens, JC.** 2013. *Climate Change, Energy, & Communication.* April 10, 2013. Guest lecture, U of New Hampshire, Env't'l Communication course. Durham, NH USA
38. **Stephens, JC** 2013. *Social Dynamics of Technology Innovation: Energy System Change & Climate Modeling* April 2, 2013 Clark University, Worcester, MA USA
39. **Stephens, JC** 2013. *Smart Grid & Sustainable Energy Clusters: Socio-Political Influence on Energy System Change.* March 28, 2013 Dept of Earth & Env't, Boston Univ., MA USA
40. **Stephens, JC** 2013. *Post-Sandy Discourse on Energy System Vulnerability & Smart Grid.* Conference on Climate Change & America's Infrastructure: Engineering, Social and Policy Challenges. Panel on Policy & Governance. January 28, 2013. Tempe, AZ USA
- 2012 41. **Stephens, JC** 2012. *Competing Visions of "Smart Grid" Radical vs. Incremental Change in Energy Systems.* Geography Dept. Clark Univ. Nov 16, 2012. Worcester, MA USA
42. **Stephens, JC** 2012. *Competing Stakeholder Perspectives on Energy System Change & Climate Modeling.* Invited Lecture, October 31, 2012. ETH Zurich, Switzerland.
43. **Stephens, JC** 2012. *Environmental & Sustainability Science: Climate Change & Energy.* Oct. 27, 2012. Guest lecture MA Maritime Academy. Sustainable Business. Waltham, MA USA
44. **Stephens, JC** 2012. *Carbon, Capture & Storage in the US Context.* Invited lecture MIT course "Energy Policy for a Sustainable Future" May 16, 2012. Cambridge, MA USA.
45. Boyle, ME, McCauley, S, **Stephens, JC,** Zhang, J, Marshall, A. *Lessons from the Biocluster.* Trustees Meeting, Mass. Biotech Initiative. April 19, 2012. Tufts, Grafton, MA USA.
46. **Stephens, JC** 2012. *Climate Change: Understanding the Science and the Skepticism.* Sustainable Communities Initiative. Rhode Island College, April 12, 2012. Providence, RI, USA
47. **Stephens, JC** 2012. *Diminishing Hype of so-called "Clean Coal": Carbon, Capture, and Storage (CCS) in the US Context.* Invited Public Lecture, Big Energy Seminar Series, Renewable & Sustainable Energy Initiative, April 3, 2012. University of Colorado, Boulder, CO. USA
48. **Stephens, JC** 2012. *Competing Visions of Energy Technologies for Climate Mitigation: Smart Grid, Wind Power, and CCS.* Com. Dept, U. of CO, April 4, 2012. Boulder, CO. USA
49. **Stephens, JC** 2012. *Energy Innovation & Universities in Urban Sustainability.* Panelist, Symp. Green Cities. McKinsey & Company. Jan. 20, 2012. Knowledge Ctr Waltham, MA USA
- 2011 50. **Stephens, JC** 2011. *Engagement to Advance Social (as well as technical) Learning.* Int. Workshop on Public Participation & Govrn. of CCS Oct. 31, 2011 Westminster, London, England
51. **Stephens, JC** 2011. *Knowledge Clusters and Economic Development in the Worcester Region: Biotech and Green Energy* Mosakowski Inst Panel. Oct 19, 2011. Clark Univ. Worcester, MA USA
52. **Stephens, JC** 2011. *Multi-Level Governance and the Challenge of Smart Grids.* Workshop on Smart Grid Innovation & Sustainable Energy. Oct 6, 2011. Wakefield, Quebec. Canada
53. **Stephens, JC** 2011. *Moving Toward Sustainability: Research and Action from Worcester to Rio.* Clark University Alumni Event Faculty Lecture. June 26, 2011. San Francisco, CA USA
54. **Stephens, JC** 2011. *Socio-Political Influences on Climate Mitigating Energy Technology: Wind and Carbon Capture and Storage in the United States* EAWAG. May 13, 2011. Zurich, Switzerland
55. **Stephens, JC** 2011. *Carbon Capture and Storage (CCS): Should the US government continue to fund CCS?* Worcester Polytechnic Institute (WPI). April 5, 2011 Worcester, MA, USA
- 2010 56. **Stephens, JC** 2010. *Public Perceptions of CCS: A Focus on the Sub-National Level.* Guest lecture for joint U. of Utah & New Mexico Tech Course for Southwest Carbon Partnership Training program. November 15, 2010. Internet technology – no travel.
57. **Stephens, JC** 2010. *Wind and Carbon Capture and Storage in the USA: A Comparative Analysis of Sub-National Socio-Political Contexts.* Tsinghua University, School of Public Policy & Management. June 3, 2010. Beijing, China

Presentations
(Cont.) 2009

Invited Presentations (continued)

58. **Stephens, JC** 2009. *The Politics of CCS Learning: Demonstration Projects and Technological Optimism Within the CCS Community*. UNFCCC Side Event on CCS. COP-15. Dec 12, 2009. Copenhagen, Denmark
59. **Stephens, JC** 2009. *Public Perception, Communication, and Social Acceptance of CCS: Relevance to Political Controversy*. Stockholm Environment Institute. Jun 11 2009. Stockholm, Sweden
60. **Stephens, JC** 2009. *Framing Wind: A Comparative State-Level Media Analysis of a Critical Climate Change Mitigation Technology*. Marsh Lecture Jan 29, 2009. Clark, Worctr, MA, USA
- 2008 61. **Stephens, JC** 2008. *Technology Over Policy: The Politics of Carbon Capture and Storage (CCS) in the U.S. Context*. Invited presentation at the Energy Center of the Netherlands. October 14, 2008. Amsterdam, The Netherlands
62. **Stephens, JC** 2008. *The Politics of Carbon Capture and Storage (CCS) in the U.S. Context: Technology Leader but Policy Laggard*. Invited presentation at the University of Stavanger, Norway. October 13, 2008. Stavanger, Norway
63. **Stephens, JC** 2008. *State-level Discourse on Emerging Energy Technologies*. Invited Presentation. Energy Technology Innovation Policy Group Seminar Series. Harvard Kennedy School, May 13, 2008. Cambridge, MA USA
64. **Stephens, JC** 2008. *Carbon Capture and Storage Development in the U.S. Context*. "Politics of Carbon Capture & Storage" workshop. April 24, 2008. Merrickville, Ontario, Canada
65. **Stephens, JC** 2008. *Energy Technology Deployment for Climate Change Mitigation: Socio-political Influences on Wind and Carbon Capture and Storage*. Invited Speaker at Middlebury College Environmental Studies Colloquium. March 13th 2008. Middlebury, VT USA
- 2007 66. **Stephens, JC** 2007. *Environmental and Social Implications/Challenges of Advancing Carbon Capture and Storage (CCS)* Invited speaker at Chewonki Foundation Carbon Capture and Storage Seminar. October 24, 2007. Wiscasett, ME USA
67. **Stephens, JC** 2007. "Local Climate Leaders" panelist at Mayor of Worcester's "National Conversation on Climate Action" Event, Clark, October 4, 2007. Worcester, MA USA
68. **Stephens, JC** 2007. *Emerging Energy Technologies for Climate Change Mitigation: Growing Interest in Carbon Capture and Storage* Invited lecture. Physics Colloquium. Clark University. October 3, 2007 Worcester, MA USA
69. **Stephens, JC**, E.J. Wilson, T.R. Peterson. 2007 *Diffusion of Emerging Energy Technologies Within a State Context*. September 19, 2007. Invited presentation at Carbon Capture and Storage Social Research Network Meeting. Banf, Canada
70. **Stephens, JC**, 2007 *State-level Socio-Political Influences on Deployment of Emerging Energy Technologies*. Invited Presentation. Energy Technology Innovation Project Seminar Series. Harvard Kennedy School, April 10, 2007. Cambridge, MA USA
71. **Stephens, JC** 2006. *Emerging Energy Technologies for Climate Change Mitigation: Growing Interest in Carbon Capture and Storage*. Invited presentation at Worcester Polytechnic Institute (WPI), October 5, 2006 Worcester, MA USA
- 2005 72. **Stephens, JC** 2005 *Policy Challenges for Deploying Climate Change Mitigation Technologies* December 5, 2005. Invited. Franklin W. Olin College of Engineering, Needham, MA USA
73. **Stephens, JC** 2005 *CO₂ Storage Potential in Geologic Formations in China* Harvard Kennedy School. US/China Coal Tech. Sustainable Energy Workshop. Sep 19, 2005. Camb. MA USA.
74. **Stephens, JC** 2005. *Reconciling Climate Change Mitigation, Development and Global Energy Demand: Technology, Policy and Strategy of Carbon Management*. Invited Presentation at Clark University. 7 April 2005. Worcester, MA. USA
75. **Stephens, JC** 2005. *Advancing the Demonstration and Deployment of CO₂ Capture and Storage Technology: The Link with Coal Gasification*. Invited Presentation at Schlumberger-Doll Research. March 22, 2005. Ridgefield, CT, USA
76. **Stephens, JC** 2005. *Decision-making in Energy with Elusive Constraints on CO₂*. Env'tl. Policy Group, Dept. of Urban Studies & Planning, MIT, Feb 8, 2005. Cambridge, MA USA
- 2002 77. **Stephens, JC** 2002. *Response of Soil Mineral Weathering to Elevated Carbon Dioxide*. Ph.D. Thesis Seminar. Dept. of Env'tl. Sci. & Eng., Caltech, April 17, 2002 Pasadena, CA USA

Presentations
(Cont.) 2015

Conference Presentations

1. **Stephens, JC.** R Pearl-Martinez. 2015. Gender & Cultural Change in the Renewable Energy Transition: Distributing the Power for Social Change. Society for Social Studies of Science (4S), Denver Colorado USA, November 13, 2015
2. **Stephens, JC & R Pearl-Martinez.** 2015. Toward a Gender Diverse Workforce in the Renewable Energy Transition. Academy of Int'l Business Northeast Frontier Conference, UMass Boston, October 23, 2015.
3. **Graham A & Stephens, JC** and. 2015. Linking Climate and Energy Literacy: Connecting Communities and Universities. National Energy Education Summit, NCSE January 26, 2015. Washington DC USA (unavailable to present in person due to weather disruption)
- 2014 4. **Stephens, JC.** 2014. *Community Engagement in Smart Grid and Electricity System Change.* October 25, 2014. XX International Conference of the Society for Human Ecology. College of the Atlantic, Bar Harbor, ME. USA
5. **Stephens, JC.** 2014. *Energy Learning: A Socio-Technical Transitions Approach.* Assoc. for Envmt'l Studies & Sciences (AEISS) Annual Conference. Pace University. New York. June 12, 2014
- 2013 6. **Stephens, JC.** 2013. *Toward a Smarter Grid: EU-US Comparison and US Discourse Through Media Analysis.* Soc. for Social Studies of Science. October 12, 2013. San Diego, CA USA
7. **Stephens, JC.** TR Peterson, EJ Wilson. 2013. *Transformation or Status Quo: Competing Visions of Smart Grid* Sustainable Consumption Research and Action Initiative (SCORAI) International Conference. June 13, 2013. Clark University, Worcester, MA USA
- 2012 8. **Stephens, JC.** 2012. Chair of session *CCS: Risk Communication and Perceptions of an Emerging Energy Technology.* Society for Risk Analysis, Dec 12, 2012. San Fran., CA USA
9. **Stephens, JC,** Boyd, AD, Liu, Y, Wilson, EJ, Pollak, M, Peterson, TR, Einsiedel, E, Meadowcroft, J. 2012. *Controversy in Technology Innovation: Media & Expert Risk Perceptions of Alleged Leakage at Weyburn.* Ass. of Public Policy Analysis & Mngmt. Nov 8, 2012. Baltimore, MD, USA.
10. **Stephens, JC.** 2012. Chair of session *Competing Visions of Energy System Transitions: Contributions to Smart Grid* Annual meeting Society for Social Studies of Science (4S) & European Association for Study of Science & Technology (EASST). Oct 17-20, 2012. Copenhagen Business School, Copenhagen, Denmark.
11. **Stephens, JC.** Langheim, R, Strubb, A, Koenigs, C, Suri, M, Peterson, T.R., Wilson, EJ. 2012. *Transitioning to "Smart Grid" Radical or Incremental Change.* Gordon Research Conference on Science and Technology Policy. Aug 5-10, 2012. Waterville Valley, NH, USA
- 2011 12. **Stephens, JC & TR Peterson.** 2011. *Comparing Visions of Smart Grid Technology and Policy: Regional Socio-Political Context for Energy Technology Deployment.* Presentation at Association for Public Policy Analysis and Management (APPAM) Annual Conf. Nov 5, 2011. Washington DC USA
13. Allen, E, **JC Stephens,** F Leung, C Kruger. 2011. *Stakeholder engagement in the development and application of a regional earth systems model: an analysis of researchers' perceptions.* Poster at National Academies Keck Futures Initiative (NAKFI) Conference on "Ecosystem Services: Charting a Path to Sustainability" Nov 11-13, 2011 National Academies' Beckman Center, Irvine, CA USA
14. **Stephens, JC** 2011. *Socio-Political Dynamics of Climate Mitigating Energy Technologies in the United States.* Int'l Conf. on Climate Change: Impacts & Responses. Jul 21, 2011. Rio de Janeiro, Brazil
15. **Stephens, JC** 2011. *Green-Energy Cluster Development: Analysis of a Bridging Organization in Worcester, Massachusetts, United States.* 17th Annual International Sustainable Development Research Conference, May 9, 2011. Columbia University, New York, NY USA
16. **Stephens, JC** 2011. *Green-Energy Cluster Development in Worcester, Massachusetts: The Role of Universities and other Bridging Organizations.* Amer. Assoc. of Geographers Apr 16, 2011. Seattle, WA USA
- 2010 17. **Stephens, JC** 2010. *A Comparative Analysis of State-Level Socio-Political Context for Carbon Capture and Storage & Wind.* APPAM. Annual Conference. November 6, 2010. Boston, MA, USA
18. **Stephens, JC** 2010. *Exploring Framing and Social learning in Demonstration Projects of Carbon Capture and Storage (CCS).* Intnt'l Conf. of GHG Control Tech. Sep. 20, 2010. Amsterdam, The Netherlands
19. **Stephens, JC** 2010. *State-Level Socio-Political Context for Wind and Carbon Capture and Storage: A Comparative Analysis.* Am. Ass. of Geographers (AAG) Meeting. April 16, 2010. Wash DC, USA
20. **Stephens, JC.** 2009. *Comparing Socio-Technical System Dynamics of Emerging Energy Technologies: Enhanced Geothermal Systems (EGS) and Carbon Capture and Storage (CCS).* Presented at 15th Annual Internt'l Sustainable Development Research Conference. July 7, 2009. Utrecht, The Netherlands

Presentations
(Cont.) 2009

Conference Presentations (continued)

21. **Stephens, JC** EJ Wilson, TR Peterson. 2009. *Regional Socio-Political Factors Influencing the Deployment of Emerging Energy Technologies for Climate Change Mitigation*. Poster 15th Annual International Sustainable Development Research Conference. July 7, 2009. Utrecht, Netherlands
22. **Stephens, JC** 2008. *Comparative State-level Discourse on the Potential of Carbon Capture and Storage to Contribute to an Energy System Transition*. Presenter & co-organizer of session: Transitions in Energy & Land-Use. American Assoc. of Geographers Meeting. April 18, 2008. Boston, MA, USA
23. **Stephens, JC** 2008. *Challenges of Integrating the Advancement of Coal Gasification Technology and CO₂ Capture and Storage (CCS) Technology*. AAAS Meeting, February 14-18, 2008. Boston, MA, USA
24. **Stephens, JC**, ME Hernandez, M. Roman, J. Qian, R.W. Sholz. 2008. *Institutions of Higher Education as Agents for Change in Advancing Sustainability in Different Cultures and Contexts*. Alliance for Global Sustainability. January 2008. MIT, Cambridge, MA USA
- 2007 25. **Stephens, JC** 2007. *Risk Perceptions of CCS: Comparative State-Level Media Analysis*. Risk Society Association Annual Meeting. December 12, 2007. San Antonio, TX, USA
26. **Stephens, JC**, EJ Wilson, E. and C. Mitchell. 2007 *State-level Socio-political Factors Influencing Deployment of Wind Power and Other Emerging Energy Technologies*. Poster Presentation. Worcester Consortium Environmental Conference. April 20, 2007. Worcester, MA USA.
27. **Stephens, JC**, EJ Wilson, C Mitchell. 2007. *Deploying Emerging Energy Technologies: An Interdisciplinary Framework*. Poster. American Assoc. for Advancement of Science (AAAS) meeting, "Science & Tech. for Sustainable Well-Being" February 15-19, 2007. San Francisco, CA, USA
- 2006 28. **Stephens, JC & P Verma** 2006. *Carbon Management Technologies and Stakeholder Perceptions in the U.S.A. and India* Presented at 2nd International Young Scientists' Global Change Conference. Sponsored by START (SysTEM for Analysis, Research, & Training) Nov 7-8, 2006 Beijing, China
29. **Stephens, JC & P Verma** 2006. *Carbon Management Technologies and Stakeholder Perceptions in the U.S.A. and India* Presented at Earth System Science Partnership Global Environmental Change Open Science Conference. November 10, 2006. Beijing, China
30. **Stephens, JC** 2006. *The Role of Environmental Advocacy Groups in the Advancement of Carbon Capture and Storage (CCS)* 5th Annual Conference on CCS. May 10, 2006. Alexandria, VA USA
31. **Stephens, JC** 2006. *Increasing Interest in Carbon Capture and Storage: Social, Political, and Economic Factors* 6th Nat'l Council Sci. & the Env't Conf (NCSE) January 26, 2006. Washington, DC USA
- 2005 32. **Stephens, JC** 2005 *Coupling CO₂ Capture and Storage with Coal Gasification: Defining Sequestration-Ready IGCC*. 4th Conference on Carbon Capture and Sequestration. May 4, 2005. Alexandria, VA. USA
33. **Stephens, JC**, 2005. *Assessing Geochemical Carbon Management*. American Geophysical Union (AGU) Chapman Meeting Science & Technology of Carbon Sequestration. 17 Jan 2005. San Diego, CA,
34. **Stephens, JC** 2005. *Integrating Carbon Capture and Storage with IGCC: Economic and Technical Challenges*. AGU Chapman Conf. on Sci. & Tech. of Carbon Sequestration. 19 Jan 2005. San Diego CA USA
- 2004 35. **Stephens, JC & EA Parson**. 2004. *Compliance and Beyond: Strategic Government-Industry Interactions in Environmental Policy and Performance: The Role of Technical Information in Reducing Automobile Emissions*. EPA STAR Corp. Env't'l Behv'r & Governm't Interventions Workshop. April 27, 2004. DC. USA
36. **Stephens, JC & E Parson**. 2003. *Industry & Government Strategies Related to Technical Uncertainty in Environmental Regulation: Pollution from Automobiles*. 2003 Open Meeting on the Human Dimensions of Global Environmental Change. Oct 16-18, 2003. Montreal, Canada

Teaching

Courses

Environmental Science (undergraduate-level), UVM
 Energy System Transitions (graduate-level), UVM & Clark University
 Climate Change, Energy and Development (graduate & undergrad), UVM & Clark University
 Environmental Science & Policy: Introduction to Case Studies (undergraduate-level), Clark
 The Sustainable University/Sustainability and the Role of Higher Education, Clark
 Global Warming: How to respond? (first-year undergraduate-level), Clark University
 Research Project Development for Environmental Science & Policy (graduate-level), Clark
 Energy & Climate Social Change Research Seminar (graduate-level), Clark University
 Biogeochemical Cycles and Global Change (graduate-level), Clark University (2005)
 Earth System Science (Boston University, 2004)

Service

University of Vermont Service (2014-present)

Faculty-in-Residence, Greenhouse Residential Learning Community. Fall 2014-present
 Ecological Engineers, Faculty Coordinator. Fall 2014-present.
 Clean Energy Committee, faculty representative. 2014-present
 Energy-Climate Public Research Fellowship, Developer & Coordinator, Fall 2014-present
 Rubenstein Curriculum Committee, 2015-present
 IGERT Smart Grid Graduate Admissions Committee. Fall 2014-present
 Environmental Studies Director & Cluster Hire Search Committee, 2014-2015
 Rubenstein School Year 2 of the Core Curriculum Committee. 2014-2015
 Review Committee for the Transportation Research Center Student of the Year. Fall 2014

Clark University Service (2005-2014)

Coordinator, Environmental Science & Policy Graduate Program 2007-2010, 2011-2012
 Faculty Rep (elected) on Planning Budget & Review Committee 2011-2014
 Board of Trustees Environment Committee, 2009 – 2012
 Clark University Environmental Sustainability Task Force, April 2006–2014
 Mosakowski Institute for Public Enterprise Faculty Steering Committee, 2008–present
 Marsh Institute Steering Committee 2012 – 2014
 Faculty Work Task-Force. Fall 2010 – Spring 2012
 Clark University Judicial Board. 2009 – 2012
 Search committees (Environmental Chemistry Faculty 2009–2010 & Campus Sustainability Coordinator 2006 & 2010)
 Study Abroad Advisory Committee, summer 2007 – summer 2008
 Compton Fellowship Committee, 2006–2010,
 Chair of the IDCE Communications and Community Committee 2009-2010
 Coordinator, Environmental Science & Policy Undergraduate Program 2013-2014
 Environmental Science & Policy Admissions Committee 2005-2012 (Chair 2008 2011)
 Environmental Science Undergraduate Steering Committee March 2006 – 2010
 Faculty Search Committees, IDSC Fall 2006, ES&P Spring 2011 (Chair)
 Marsh Institute Management Committee 2008 – 2014
 Geller Fellowship & Geller Annual Lecture Organizing Committee, 2005 to 2014

University-
Community
Engagement**Campus Panels/Sessions Presented, Moderated or Organized**

Co-organizer of “Power from the North” Conference on Quebec-New-England Energy Relationships at University of Vermont, Burlington VT. March 23-24, 2015.
 Coordinated and presented at public forum “What is Smart Grid and Why Should We Care?” Clark University, Nov. 25, 2013
 Presented at Earth Transformed 25 Year Anniversary Faculty Panel on “*Social Dynamics of Technology Innovation: Energy System Change & Climate Modeling*” April 2, 2013 Clark University.
 Moderator of Alumni Panels on “The Importance of a Sustainable Society” Alumni Weekend, May 20, 2011. “Energy & the Environment in the 21st Century” May 18, 2012 Clark University
 Massachusetts Climate Action Network Annual Conference. Moderator of session on University Engagement. October 24, 2010. Clark University, Worcester, MA. USA
 Moderator for Clark University’s Presidential Inauguration (David Angel) Panel on “Sustainability in the 21st Century” September 22, 2010. Clark University, Worcester, Massachusetts, USA
 Moderated panel with Dr. Rajendra Pachuri, Chair of the Intergovernmental Panel on Climate Change. September 23, 2010. Clark University, Worcester, Massachusetts, USA
 Organized/moderated panel-community discussion on “Implementing Climate Change Solutions: Integration among National, State, and Local”. Feb. 5, 2009. Five invited panelists. Clark Univ.
 Co-organizer of “Shaping A Local Green Economy: A Dialogue for the Future of Worcester” November 18, 2009. 200 community members, faculty and students attended. Clark University
 Session Co-Chair (w/ Graham) “*Diverse Perspectives on Climate Change Education: Integrating Across Boundaries*” NCSE Meeting: Climate Change: Science & Solutions. Jan. 17, 2008. Wash. DC, USA
 Co-organizer Clark Difficult Dialogues Spring 2008 symposium on Climate Change 2007-2008. Clark University, Worcester, Massachusetts, USA
 Organized Clark campus-wide Focus the Nation climate change teach-in on Jan. 31st 2008 w/ 28 faculty from 13 departments & 8 sessions each w/ 50-100 participants. Clark University

Professional Service

Professional Memberships

New England Women in Energy & Environment Society for Risk Analysis (SRA)
 Union of Concerned Scientists (UCS) Society for Social Studies of Science (4S)
 Am. Geophysical Union (AGU) Am. Educational Research Assoc. (AERA)
 Am. Association of Geographers (AAG) Mothers Out Front
 Am. Ass. for the Advancement of Science (AAAS)
 Clean Energy Education & Empowerment (C3E)
 Association for Environmental Studies & Science (AESS)
 Association for Public Policy Analysis & Management (APPAM)
 International Sustainable Development Research Society (ISDRS)

Board Membership and Advisory Committees

- Board Member, Renewable Energy Vermont Education Fund. 2015-present
- Executive Committee, Council of Energy Research & Education Leaders. 2015-present
- Board of Trustees, VPIRG (Vermont Public Interest Research Group). 2014-present
- Association for Public Policy Analysis & Management (APPAM) Program Committee. Conference Planning. April-November 2014
- Steering Committee, Sustainable Business Academy: Building Resilient, Innovative Communities. 2013- present
- Scientific Committee Global Research Forum on Sustainable Prod. & Cons. 2013-2014
- Scientific Committee, SCORAI 2016 Conference U of Maine. June 2016
- Scientific Committee & Organizing Committee, SCORAI-2013 Conference. The Future of Consumerism & Well-Being in a World of Ecological Constraints. Sustainable Consumption Research & Action Initiative. Clark Univ. June 12-14, 2013
- Sustainable Campus Initiative Tri-Campus Sustainable Leadership Council. Worcester, MA Jan 2012-Summer 2012
- Board of Directors, Bellona USA. An international NGO with a mission of promoting environmental sustainability through scientific policy analysis 2007-2012
- Editorial Board Member, Sustainability: Science, Practice, and Policy 2006-present
- Editorial Board Member, Journal of Environmental Studies and Sciences 2009-present
- Advisory Committee Member, Energy Research, Development, Demonstration and Deployment (ERD3) Policy Project, Harvard Kennedy School. 2008-2010
- Advisory Board Member: Summer of Solutions. Worcester climate group. 2008-2010
- Board of Directors, Worcester Children's Chorus, Worcester, MA. July 2011-July 2014

Research Proposal Peer-Reviewer for:

- NSF Multiple Reviews and Review Panels 2013-2016
- Social Sciences & Humanities Research Council (SSHRC) of Canada. 2014, 2011 & 2009
- NSF Science, Engineering & Education for Sustainability (SEES), Review Panel 2012
- NSF Integrative Grad. Education & Research Traineeship (IGERT) Review Panel 2011
- EPA Science To Achieve Results (STAR) Graduate Fellowship February, 2011
- Michigan Sea Grant, University of Michigan, September 2012
- Netherlands Organisation for Scientific Research (NOW), 2012, 2013 & 2015
- King Fahd University, Saudi Arabia. December 2010
- US Department of Energy. December 2009
- AAAS South Carolina Centers of Economic Excellence. January, 2009
- UK Economic & Social Research Council Research Centres Competition, Sep. '07 & '08

Professional Service (cont)

Book Proposal Peer-Reviewer for:

Oxford University Press (2013)	University of California Press (2014)
Routledge - Earthscan (2012, 2011, 2010)	Bentham Science Publishers (2013)
University of British Columbia Press (2015)	Springer (2012)
Brookings Institution Press (2008)	Elsevier Science & Tech. (2007)
Cambridge University Press (Jun & Jan 2014, 2011, Jan & Aug 2010, Mar & Oct 2009, 2007)	

Peer-Reviewer of Manuscripts for:

Energy Policy (2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, & 2008)
 Environmental Science & Technology (2014, 2012, 2010, 2009)
 Environment and Planning C: Government and Policy (2016)
 Nature Energy (2015)
 Energy Research and Social Science (2015)
 Global Environmental Change (2014)
 Journal of Environmental Management (2015, 2013, 2012)
 Journal of Cleaner Production (2016, 2014, 2013, 2012, 2009, 2008)
 International Journal of Sustainability in Higher Education (2013, 2011)
 Technological Forecasting & Social Change (2011)
 Journal of Geography in Higher Education (2010)
 Environmental Communication (2016, 2015, 2013)
 Sustainability (2015, 2014, 2013, 2011, 2010)
 Climate Policy (2014, 2015)
 Climatic Change (2009)
 IEEE Transactions on Smart Grid (2015)
 Energies (2015, 2014, 2012)
 Ecology and Society (2014, 2012)
 Frontiers in Energy (2015)
 Environmental Politics (2011, 2010, 2009)
 Sage Open (2014) Science and Public Policy (2013)
 Local Environment (2014, 2013)
 Sustainability Science (2010)
 Journal of Urbanism (2012)
 Science Communication (2012)
 Journal of Risk Analysis (2012)
 Risk Analysis: An International Journal (2013)
 Health Education Research (2010)
 International Journal of Greenhouse Gas Control Technologies (2016)
 Current Opinion in Environmental Sustainability (2015)
 International Journal of Decision Support Systems (2014)
 Sustainability: Science, Practice, & Policy (2013, 2012, 2011, 2010, 2009, 2008)
 International Journal of Sustainable Development (2012)
 Journal of Environmental Studies & Sciences (2016, 2015, 2014, 2012, 2011)
 Natural Resource Forum: U.N. Sustainable Development Journal (2012)
 World Resources Institute (WRI) Paper Series (2007)
 Energy: Proceedings of the Institution of Civil Engineers (2011)
 International Journal of Environmental Research & Public Health (2011)
 Environmental Practice: Journal of the National Association of Env'tl. Professionals (2009)
 Annals of the Association of American Geographers (2010)

Consulting

The Cadmus Group, 2013-2014. Assessing Urban Climate Resilience: Tool Development.

**Student
Theses
Advising**

**Current Students
Graduate Thesis Committee**

1. Daniel Fredman, PhD Candidate, Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT USA.
2. Elizabeth Allen, PhD Candidate, School of the Environment, Washington State University, Pullman, Washington, USA.
3. Sonya Ahamed, PhD Candidate, Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT, USA
4. Elizabeth Palchak, PhD Candidate, Rubenstein School of Environment and Natural Resources, UVM, Burlington, VT, USA
5. Laura Edling, PhD Candidate, Rubenstein School of Environment and Natural Resources, UVM, Burlington, VT, USA
6. Bonnie Reese, PhD Candidate, Rubenstein School of Environment and Natural Resources, UVM, Burlington, VT, USA
7. Austin Thomas, PhD Candidate, Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT, USA
8. Kristin Raub, PhD Candidate, Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT, USA
9. Matthew Burke, PhD Candidate, McGill School of Environment, Montreal, Canada
10. Caitlin Bliss, M.S. Candidate, Electrical Engineering, UVM, Burlington, VT, USA

**Student
Theses
Advising**

Graduated Students

2015

Mads Dahl Gjefsen. PhD. TIK Centre for Technology, Innovation and Culture
University of Oslo, Norway. Served as External Opponent May 2015
Deandra Perruccio, MS, Community Development & Applied Economics, UVM

2014

Chloe Blaise, MS, Environmental Science and Policy, Clark University
Darija Cosic, MS, Environmental Science and Policy, Clark University
Sundar Layalu, MS, Environmental Science and Policy, Clark University
Lorelei Obermeyer, MS, Environmental Science and Policy, Clark University
Rachel Sorenson, MS, Environmental Science and Policy, Clark University
Lauren Zeimer, MS, Environmental Science and Policy, Clark University

2013

Pete O'Connor, PhD, Department of Earth and Environment, Boston University
Katherine Lacasse, PhD, Department of Psychology, Clark University
Ria Langheim, MS, Environmental Science and Policy, Clark University
Ran Wang, MS, Environmental Science and Policy, Clark University
Xiao Chen, MS, Environmental Science and Policy, Clark University

2012

Taoi Nguyen, MS in Environmental Science and Policy, Clark University
Nontobeko Mlangeni, MS in Environmental Science and Policy, Clark University
Elizabeth Allen, MS in Environmental Science and Policy, Clark University
Katie McGonigal, BA in International Development and Social Change, Clark University

**Student
Theses
Advising
(cont)****Graduated Students (continued)****2011**

Yingying Chen, MA in Environmental Science and Policy, Clark University
Kriti Gongal, MA in Environmental Science and Policy, Clark University

2010

Tom Rodriguez MA, International Development and Social Change, Clark University
Jing Yang, MA in Environmental Science and Policy, Clark University
Ajumni Derick Lila, MA in Environmental Science and Policy, Clark University
Farida Hassan, MA in Environmental Science and Policy, Clark University
Hao Xin, MA in Environmental Science and Policy, Clark University

2009

Julia Musolkowski, MA in Environmental Science and Policy, Clark University
Prabha Joshi, MA in Environmental Science and Policy, Clark University
Kaitlyn Sephton, BA, Global Environmental Studies, Clark University

2008

Saraha Assefa, MA in Environmental Science and Policy, Clark University

2007

Jia Liu, MA in Environmental Science and Policy, Clark University
Preeti Verma, MA in Environmental Science and Policy, Clark University
Melanie Sands, MA in Environmental Science and Policy, Clark University
Kelly Meiler, MA in Environmental Science and Policy, Clark University
Stephanie Parent, MA in Environmental Science and Policy, Clark University
Danielle Stehlick, MA in Environmental Science and Policy, Clark University
Alimas Ainiwaer, MA in Environmental Science and Policy, Clark University
Aaron Bouchane, MA in Environmental Science and Policy, Clark University
Mukesh Gupta, MA in Environmental Science and Policy, Clark University
Stephanie Young, MA in Environmental Science and Policy, Clark University

2006

Natalie Howlett, MA in Environmental Science and Policy, Clark University
Imair Manasrah, MA in Environmental Science and Policy, Clark University
Ping Kong, MA in Environmental Science and Policy, Clark University
Cassandra Steele, BA in Environmental Science and Policy, Clark University