

# Jennie C. Stephens, Ph. D.

Director, School of Public Policy & Urban Affairs  
Dean's Professor of Sustainability Science & Policy  
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## Academic Positions

Director, School of Public Policy & Urban Affairs (2018-present)  
Dean's Professor of Sustainability Science & Policy (2016-present)  
Director of Strategic Research Collaborations, Global Resilience Institute (2017-present)  
Affiliate Faculty, Civil & Environmental Engineering  
**Northeastern University**, Boston MA, USA

Affiliate (2016-present) **Gund Institute for Ecological Economics**, U of Vermont, USA  
Adjunct Professor, Rubenstein School of Environment & Natural Resources (2016-present)  
Associate Fellow (2015-2019), **Tellus Institute**, Boston MA USA  
Associate Professor, Blittersdorf Professor of Sustainability Science & Policy (2014-2016)  
Fellow, Gund Institute for Ecological Economics (2014-2016)  
**University of Vermont**, Burlington, VT USA

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

Associate, Science, Technology & Public Policy Program, ETIP (Spring 2013) Research  
Associate, Energy Technology Innovation Policy (ETIP) Group (2005-2011)  
Post-Doctoral Scholar, Belfer Center for Science & International Affairs (2002-2005)  
**Harvard Kennedy School**, Cambridge, MA USA

Visiting Lecturer, Env'tl Policy Group, Dept. of Urban Studies & Planning (2004-2005)  
**Massachusetts Institute of Technology**, Cambridge, MA USA

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

## Education

**PhD California Institute of Technology**, Pasadena, CA USA June 2002  
Environmental Science & Engineering

**MS California Institute of Technology**, Pasadena, CA USA June, 1998  
Environmental Science & Engineering

**BA Harvard University** Cambridge, MA USA June, 1997  
Environmental Science & Public Policy

## Awards, Honors & Fellowships

- Arab-American Frontiers Fellowship, National Academy of Sciences, 2017
- Research Leadership Development Initiative Faculty, Northeastern University, Fall 2016
- Leopold Leadership Fellowship, Stanford Woods Institute for the Environment. 2015-2016
- Henry J. Leir Luxembourg Program-Clark University 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

**Leadership  
& Service**

**Academic Administrative Experience**

**Northeastern University (2016 – present)**

Director, School of Public Policy & Urban Affairs (SPPUA) 2018-present  
Faculty Senator representing College of Social Sciences & Humanities 2017 - present  
Director of Strategic Research Collaborations, Global Resilience Institute 2016 – present  
Executive Committee, Women, Gender, Sexuality Studies Program, 2017 - present  
Public Policy PhD Admissions Committee 2016-present  
Provost Search Committee, 2019-2020  
Co-Chair, Sustainability & Resilience Advisory Team, Spring 2019  
Faculty Senate Agenda Committee 2017 - 2018  
Co-Director, Environmental Science & Policy MS Program 2017-2018  
SPPUA PhD Curriculum Revision Committee 2017-2018  
SPPUA Faculty Merit Review Committee 2016-2018  
Advisory Board for the Public Interest Law Center, Northeastern Law School 2017-2018  
Faculty Search Committee Political Science Resilience Search 2016-2017  
Faculty Search Committee Urban Informatics & Sustainability Planning 2017-2018  
Experimental PhD Working Group 2016-2017  
Senior Associate Director, Northeastern Env't Justice Research Collaborative 2016-2017

**University of Vermont (2014-2016)**

Faculty-in-Residence, Greenhouse Residential Learning Community.  
Ecological Engineers, Faculty Coordinator.  
Clean Energy Committee, faculty representative. 2014-2016  
Energy-Climate Public Research Fellowship Developer & Coordinator  
Rubenstein Curriculum Committee, 2015-2016  
IGERT Smart Grid Graduate Admissions Committee  
Environmental Studies Director & Cluster Hire Search Committee, 2014-2015

**Clark University (2005-2014)**

Coordinator, Environmental Science & Policy Graduate Program '07-'10, '11-'12  
Planning Budget & Review Committee, Elected Faculty Representative 2011-2014  
Board of Trustees Environment Committee 2009 – 2012  
Clark University Environmental Sustainability Task Force 2006–2014  
Mosakowski Institute for Public Enterprise Faculty Steering Committee 2012-2014  
Marsh Institute Steering Committee 2012 – 2014  
Faculty Work Task-Force. Fall 2010 – Spring 2012  
Clark University Judicial Board. 2009 – 2012  
Faculty Search Committee, International Development & Social Change Fall 2006  
Faculty Search Committee, Chemistry 2009-2010  
Chair of Faculty Search Committee Environmental Science & Policy Spring 2011  
Search Committee for Campus Sustainability Coordinator 2006 & 2010  
Study Abroad Advisory Committee, summer 2007 – summer 2008  
Compton Fellowship Committee, 2006–2010  
Chair of IDCE Communications and Community Committee 2009-2010  
Coordinator, Environmental Science & Policy Undergraduate Program 2013-2014  
Environmental Science & Policy Admissions Committee 2005-2012 (Chair '08 & '11)  
Environmental Science Undergraduate Steering Committee 2006 – 2010  
Marsh Institute Management Committee 2008 – 2014  
Geller Fellowship & Geller Annual Lecture Organizing Committee, 2005 to 2014

**Funded Research**

**Sponsored Research**

<b>National Science Foundation</b> NSF-ST'S 1947017. Power in Puerto Rico: Socio-technical Imaginaries, Infrastructure Publics, and Electricity. 2020-2023.	\$527,704
<b>National Science Foundation NSF Planning Grant.</b> Engineering Research Center for the <i>Sharing Economy: Humans, Automation, Resilience (SHARE)</i> . 2018-2019	\$99,423
<b>Northeastern Tier 1 Research Award.</b> <i>A Temperature Sensor Network to Study Public Health and Community Resilience Impacts of Heat Waves at Micro-Spatial Levels.</i> Collaboration with Aatmesh Shrivastva and others 2017-2018.	\$50,000
<b>Global Resilience Institute Seed Grant.</b> <i>Women &amp; Resilience in Moments of Social Crisis: A Feminist Perspective.</i> 2017-2019 Collaboration w/ Brooke Foucault-Welles & Suzanna Walters	\$26,862
<b>Global Resilience Institute Seed Grant.</b> <i>Northeastern Collaborative on Resilient Energy (NCORE).</i> 2017-2019. Collaboration with Mike Kane and Ryan Ellis	\$30,000
<b>STEM-ED Initiative, U of Vermont</b> <i>Integrated Climate and Energy Education in STEM Schools and Programs</i> 2015-2016 Collaboration with Simon Jorgenson	\$38,961
<b>National Science Foundation</b> NSF-SES-1316442 RAPID <i>Collaborative Research: Post-Sandy Discourse about Energy Infrastructure and Security.</i> Stephens award \$15,127 3/13 – 2/14	\$60,000
<b>National Science Foundation</b> 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
<b>US Department of Agriculture,</b> 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
<b>Mosakowski Institute for Public Enterprise, Clark University.</b> <i>Smart Grid Development in Worcester, MA.</i> Faculty Research Support. 2013-2016	\$34,000
<b>Mosakowski Institute for Public Enterprise.</b> <i>Public, Private &amp; University Collaboration: Biotech and Green Energy Cluster Development.</i> Faculty Research Support. 2010-2012	\$21,600
<b>National Science Foundation</b> NSF-SES-0724257 <i>Collaborative Research: Diffusion of Emerging Energy Technologies within a State Context</i> Clark Award \$133, 293. 2007-2011 NSF Research Experiences for Undergraduates (REU) 2008-2011	\$390,000 \$14,676

**Publications**

**Books**

- Stephens, JC.** 2020 Diversifying Power: Why We Need Anti-Racist, Feminist Leadership on Climate & Energy. Island Press. Washington, DC.
- Stephens, JC, EJ Wilson, TR Peterson.** 2015 Smart Grid (R)Evolution: Electric Power Struggles. Cambridge University Press. New York, NY.
- 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.

2020

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

- 50** Sovacool, BK, DJ Hess, S Amir, FW Geels, R Hirsh, L Rodriguez Medina, C Miller, C Alvia Palavicino, R Phadke, M Ryghaug, J Schot, A Silvast, **JC Stephens**, A Stirling, B Turnheim, E van der Vleuten, H van Lente, S Yearley, 2020. Sociotechnical agendas: Reviewing future directions for energy and climate research. *Energy Research & Social Science* 70: 101617. doi.org/10.1016/j.erss.2020.101617
- 49** Jenkins, KEJ, **JC Stephens**, TG Reames, D Hernandez. 2020. Towards Impactful Energy Justice Research: Transforming the Power of Academic Engagement. *Energy Research and Social Science.* Volume 67 doi.org/10.1016/j.erss.2020.101510
- 48** **Stephens, JC** & K. Surprise. 2020. The Hidden Injustices of Advancing Solar Geoenvironmental Research. *Global Sustainability.* doi.org/10.1017/sus.2019.28

Publications  
(continued)

2019

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

- 47 Allen, E, H. Lyons, **JC Stephens**. 2019. Women's leadership in renewable transformation, energy justice and energy democracy: Redistributing Power. *Energy Research and Social Science*. Volume 57. [doi.org/10.1016/j.erss.2019.101233](https://doi.org/10.1016/j.erss.2019.101233)
- 46 Ahamed, S, J Sperling, G Galford, **JC Stephens**, D Arent 2019. Regional Sustainability, the Food-Energy-Water Nexus, and Hydraulic Fracturing: An Integrated Assessment of the Denver Region. *Environmental Case Studies*. p.1-21
- 45 Jorgenson, SN, **Stephens, JC**, & White, B. 2019. Environmental Education in Transition: A critical review of recent research on climate change and energy education. *Journal of Environmental Education*. [doi.org/10.1080/00958964.2019.1604478](https://doi.org/10.1080/00958964.2019.1604478)
- 44 Healy, N **JC Stephens** & S Malin. 2019. Embodied Energy Injustices: Unveiling and politicizing the transboundary harms of fossil fuel extractivism and fossil fuel supply chains. *Energy Research & Social Science*. Vol 48, p 219-234  
<https://doi.org/10.1016/j.erss.2018.09.016>
- 2018 43 **Stephens, JC**, M. J. Burke, B. Gibian, E. Jordi, R. Watts. 2018. Operationalizing Energy Democracy: Challenges and Opportunities in Vermont's Renewable Energy Transformation. *Frontiers in Communication* Vol 3, 43  
<https://doi.org/10.3389/fcomm.2018.00043>
- 42 **Stephens JC**, Frumhoff PC, Yona L 2018. The role of college and university faculty in the fossil fuel divestment movement. *Elementa: Science of the Anthropocene*. Vol 6, No 1, p. 41 <http://doi.org/10.1525/elementa.297>
- 41 Frumhoff, PC & **JC Stephens**. 2018. Towards Legitimacy of the Solar Geoengineering Research Enterprise. *Philosophical Transactions of the Royal Society A*. Vol. 376  
<http://dx.doi.org/10.1098/rsta.2016.0459>.
- 40 Burke, M & **JC Stephens**. 2018. Political Power and Renewable Energy Futures: A Critical Review. *Energy Research & Social Science*. V. 35. p. 78-93  
<https://doi.org/10.1016/j.erss.2017.10.018>
- 2017 39 Burke, M & **JC Stephens**. 2017 Energy Democracy: Goals and Policy Instruments for Sociotechnical Transition. *Energy Research & Social Science*. V. 33. p. 35-48  
<https://doi.org/10.1016/j.erss.2017.09.024>
- 38 Meadowcroft, J., **JC Stephens**, EJ Wilson, IH Rowlands. 2017. Social dimensions of smart grid: Regional analysis in Canada and the United States. *Renewable and Sustainable Energy Reviews*. [doi.org/10.1016/j.rser.2017.06.106](https://doi.org/10.1016/j.rser.2017.06.106)
- 37 **Stephens, JC**, D Kopin, EJ Wilson, TR Peterson. 2017. Framing of customer engagement opportunities and renewable energy integration by electric utility representatives. *Utilities Policy*. Vol 47. p.69-74. <https://doi.org/10.1016/j.jup.2017.05.005>
- 36 Mallett, A, **JC Stephens**, EJ Wilson, R Langheim, R Reiber, TR Peterson. 2017. Electric (dis) Connections: Comparative review of Smart Grid news coverage in the United States & Canada. *Renewable & Sustainable Energy Reviews*. [doi.org/10.1016/j.rser.2017.06.017](https://doi.org/10.1016/j.rser.2017.06.017)
- 35 Feldpausch-Parker, AM, **JC Stephens**, R Collins, JR Chisholm, TR Peterson, EJ Wilson. 2017. Smart Grid Electricity System Planning Post-Superstorm Sandy: Analysis of Climate and Energy Discourse. *Renewable & Sustainable Energy Reviews*. [doi.org/10.1016/j.rser.2017.06.015](https://doi.org/10.1016/j.rser.2017.06.015)
- 34 Hall, DM, AM Feldpausch-Parker, TR Peterson, **Stephens, JC**, EJ Wilson. 2017. Socio-Ecological System Resonance: A Framework for Brokering Sustainable Solutions. *Sustainability Science*. Vol 12, No 3. p. 381-392 [doi.org/10.1007/s11625-017-0424-6](https://doi.org/10.1007/s11625-017-0424-6)
- 33 Allen, E, **Stephens, JC**, Yorgey, G. Kruger, C., Ahamed, S, Adam, JC. 2017. Climate Science Information needs among Northwest US natural resource decision-makers. *Climate Services*. Vol. 5 p. 11-22 [doi.org/10.1016/j.cliser.2017.03.002](https://doi.org/10.1016/j.cliser.2017.03.002)
- 32 Markusson, N, Gjefsen, MD, **Stephens, JC**, Tyfield, D. 2017 The Political Economy of Technical Fixes: the (mis)alignment of clean fossil and political regimes. *Energy Research and Social Science*. Vol. 23 p. 1-10

Publications  
(continued)

- Peer-reviewed Journal Articles** (continued - underline denotes student co-author)
- 2016** 31 Cody, EM, **Stephens, JC**, Bagrow, J.P, Dodds, PS, Danforth, CM. 2016 Transitions in Climate and Energy Discourse Between Hurricanes Katrina and Sandy. *Journal of Environmental Studies and Science*. DOI10.1007/s13412-016-0391-8
- 30 Pearl-Martinez, R. **JC Stephens**. 2016. Toward a Gender Diverse Workforce in the Renewable Energy Transition. *Sustainability: Science, Practice & Policy*. Vol. 12, No 1.
- 2015** 29 Peterson TR. **JC Stephens**, Wilson, EJ. 2015. Public Perception of and Engagement with Emerging Low-Carbon Energy Technologies: A Literature Review. *MRS Energy and Sustainability*. Vol 2, e11. p.1-14
- 28 **Stephens, JC**. 2015. Carbon Capture and Storage: A Controversial Climate Mitigation Approach *The International Spectator*. Vol. 50, No. 1, March 2015
- 27 Adam, JC, **JC Stephens**, SH Chung, MP Brady, RD Evans, CE Kruger, BK Lamb, et al. 2015. BioEarth: Envisioning & developing a new regional earth system model to inform natural and agricultural resource management *Climatic Change*. Vol 129. p.555-571
- 2014** 26 **Stephens, JC**, EJ Wilson, TR Peterson. 2014. Socio-political Evaluation of Energy Deployment (SPEED): A Framework Applied to Smart Grid. *UCLA Law Review* 61(6): 1930-1961
- 25 **Stephens, JC**. 2014. Time to Stop CCS Investments and End Government Subsidies of Fossil Fuels. *Wiley Interdisciplinary Reviews: Climate Change*. **5**: 169-173 DOI:10.1002/wcc.266
- 24 Fischlein, M, 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. *Environmental Policy & Governance*. **24**(3): 169-187.
- 2013** 23 Koenigs, C., Suri, M., Kreiter, A., Elling, C., Eagles, J., Peterson, TR, **Stephens, JC**, Wilson, EJ. 2013. A Smarter Grid for Renewable Energy: Different States of Action. *Challenges*. **4**(2) 217-233.
- 22 **Stephens, JC**, EJ Wilson, TR Peterson & J. Meadowcroft. 2013. Getting Smart: Climate Change and the Electric Grid. *Challenges*. **4** (2) 201-216.
- 21 Allen, E, C Kruger, FY Leung, **Stephens, JC** 2013. Diverse Perceptions of Stakeholder Engagement within an Environmental Modeling Research Team. *Journal of Environmental Studies and Science*. doi 10.1007/s13412-013-0136-x
- 20 Feldpausch-Parker, AM, R Chaudhry, **JC Stephens**, M Fischlein, DM Hall, LL Melnick, TR Peterson, CJ Ragland, EJ Wilson. 2013. Spreading the News on Carbon Capture & Storage: A State-Level Comparison of US Media. *Environmental Communication*. **7**(3) 336-354
- 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
- 18 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
- 17 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
- 16 Jiusto, S., McCauley, S., & **Stephens, JC** 2013. Integrating Shared Action Learning into Higher Education for Sustainability. *Journal of Sustainability Education*. Vol. 5.
- 2012** 15 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** 14 **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
- 13 Markussun, N, A Ishii, **JC Stephens**. 2011. The Social and Political Complexities of Learning in CCS Demonstration Projects. *Global Environmental Change*. 21: 293-302

Publications  
(continued)

- Peer-reviewed Journal Articles** (continued - underline denotes student co-author)
- 2011** 12 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
- 2010** 11 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
- 10 **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
- 9 **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
- 2009** 8 **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.
- 7 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
- 2008** 6 **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
- 5 **Stephens, JC** & DW Keith, 2008. Assessing Geochemical Carbon Management. *Climatic Change*. 90 (3): 217-242
- 4 **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** 3 **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** 2 **Stephens, JC** & JG Hering 2004. Factors Affecting the Dissolution Kinetics of Volcanic Ash Soils: Dependencies on CO<sub>2</sub>, pH & organic acids. *Applied Geochemistry*. Vol 19, No 8, p 1217-1232
- 2002** 1 **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
- Book Chapters**
- 2020** 16 Markusson, N, D Tyfield, **JC Stephens**, MD Gjefson, 2020. *Promises of Climate Engineering After Neoliberalism*. In Has It Come To This? Promises and Perils of Geoengineering on the Brink. (eds) JP Sapinski, Holly Jean Buck, & Andreas Malm. Rutgers University Press.
- 15 **Stephens, JC**. 2020. *Should future investments in energy technology be limited exclusively to renewables? YES: Accelerating energy transformation requires a commitment to ending fossil fuel investments* In: M. Hulme (Ed.), Contemporary Climate Change Debates: A Student Primer. Abingdon/New York: Routledge, 253pp.
- 2018** 14 **Stephens, JC**. 2018. *Assessing Resilience in Energy System Change Through an Energy Democracy Lens*. In Handbook on Resilience of Socio-Technical Systems. (eds) M. Ruth & S Goessling-Reisemann.
- 13 **Stephens, JC**, & N Markusson. 2018 *Technological Optimism in Climate Mitigation: The Case of Carbon Capture and Storage*. The Oxford Handbook of Energy & Society.
- 12 McCauley, S. & **Stephens, JC**. 2018. *Geographies of the Grid: Transitions of Power and Governance*. In Handbook on the Geography of Energy. Ed. Barry Solomon
- 2017** 11 Ram, B & **Stephens, JC** 2017. *Risk Conundrums of the Renewable Energy Transition*. In Risk Conundrums: Solving Unsolvable Problems. Ed. R. Kasperson

**Publications  
(continued)**

**Book Chapters (continued)**

- 2017** 10 **Stephens, JC, Palchak, E. Reese, B.** 2017. *Divestment & Investment: Strategic Financial Decisions in Higher Education to Promote Societal Change Toward Sustainability*. Handbook of Theory & Practice of Sustainable Development in Higher Education. Filho et al (eds) Springer International. DOI 10.1007/978-3-319-47889-0\_22
- 2016** 9 **Allen, E. & Stephens, JC.** 2016. *Enhancing "Usability" of Climate Information & Models through Stakeholder Engagement*. In Information, Models, and Sustainability: Policy Informatics in the Age of Big Data & Open Government. Eds. J Zhang, L Luna-Reyes, TA Pardo, DS Sayogo. Springer.
- 2014** 8 **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** 7 **Stephens, JC** 2013 *Carbon Capture and Storage (CCS) in the USA*. Chapter in Low Carbon Development: Key Issues. Ed. F. Urban, London: Earthscan
- 6** **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 & Social Practices Eds. M. Cohen, HS Brown, & P Vergragt. Edward Elgar Publishing. Cheltenham, UK.
- 2012** 5 **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
- 4 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** 3 **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.
- 2 **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. & Sundquist, E. American Geophysical Union. Washington DC, USA
- 2006** 1 **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**

- 2020** 1. **Stephens, JC** 2020. Diversifying a Patriarchal Leadership. *The Hill*. Oct 29, 2020.  
2. **Stephens, JC** 2020. Climate Crisis Demands Diverse Leadership. *The Progressive*. Distributed by Tribune News Service to newspapers nation-wide. August 2020
- 2019** 3. **Stephens, JC** 2019. Diversifying Leadership is a Necessity for Climate and Energy. *The Gender Policy Report*. November 21 2019.  
4. **Stephens, JC** 2019. Energy Democracy: Redistributing Power to the People Through Renewable Transformation. *Environment: Science and Policy for Sustainable Development* 61(2): 4-13.  
5. Healy, N. **Stephens, JC**, Malin, S. 2019. Fossil fuels are bad for your health and harmful in many ways besides climate change. *The Conversation*. February 2019.
- 2018** 6. Massol-Deyá, A, **JC Stephens & JL Colón.** 2018. Renewable Energy for Puerto Rico *Science* 362 (6410):7 October 5, 2018  
7. **Stephens, JC** 2018. Fossil fuel divestment debates on campus spotlight the societal role of colleges and universities. *The Conversation* September 7 2018
- 2017** 8. **Stephens, JC** 2017. Utilities Must Go Beyond "Hardening" the Current Grid, *Wall Street Journal*. November 17, 2017

Publications  
(continued)

## Other Publications (continued)

- 2016
9. Pearl-Martinez, R & **Stephens, JC** 2016. Dear Hillary: Where are the Women in Your Energy Strategy? *The Conversation*. July 11, 2016.
  10. **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)
  11. **Stephens, JC**. 2016. Beyond Technology: Why the Energy Transition Needs Social Science. *Solar Electric Power Association*. Feb 11, 2016
  12. **Stephens, JC**. & Wilson, EJ. 2016. Climate Change, Technological Innovation: A US Response. *Bulletin of the Atomic Scientists*. Vol. 72, No. 1 4-6.
- 2015
13. **Stephens, JC**. & Wilson, EJ. 2015. The Paradox of Paris. *Bulletin of the Atomic Scientists* Roundtable. Dec 9, 2015
  14. **Stephens, JC**. & Wilson, EJ. 2015. Bright Spots Big Potential. *Bulletin of the Atomic Scientists* Roundtable. Nov 5, 2015.
  15. **Stephens, JC**. & Wilson, EJ. 2015. Climate Change, Renewable Energy, and Letting Conventional Wisdom Go. *Bulletin of the Atomic Scientists* Roundtable. Oct 21, 2015.
  16. Massell, D. **JC Stephens**, R Watts. 2015. Cross-currents Abound at UVM Hydro Forum. Burlington Free Press. Burlington VT. March 27, 2015
- 2014
17. 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.
  18. 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
- 2013
19. **Stephens, JC**. 2013. *The Potential of a Smarter Grid*. Op-Ed Worcester T&G. July 16.
  20. 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
21. **Stephens, JC** 2011. *An Uncertain Future for Carbon Capture and Storage*. Public Interest Report (PIR): A Magazine for Science & Security (64)2. Federation of American Scientist Magazine
  22. **Stephens, JC** 2011. *Leadership and Learning: A Faculty Perspective* Editorial piece in Mageuzi. IDCE, Clark University. May 2011
- 2009
23. de Coninck, H, **JC Stephens**. B Metz. 2009. *Global Learning on CCS: A Call for Strong International Cooperation on CCS Demonstration*. Energy Policy. (37)6, p.2161-2165
  24. **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
- 2008
25. Bielicki, J and **JC Stephens** 2008. *Public Perception of Carbon Capture and Storage Technology Workshop Report*. ETIP Workshop. Harvard Kennedy School. Cambridge, MA USA
- 2007
26. **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
27. **Stephens, JC** 2005. *Coal Technologies for a CO<sub>2</sub>-Constrained World: Current Challenges of Advancing These Technologies* Oil, Gas, Energy Law Intelligence Coal Special issue. Fall 2005
  28. **Stephens, JC** & D Keith. 2005. Health, Safety and Environmental Risks of CO<sub>2</sub> Storage. Module 8. & Regulatory & Legal Aspects of Carbon Storage. Module 10, in Asian-Pacific Economic Cooperation (APEC) Training Manual on CO<sub>2</sub> Capture & Geological Storage
  29. **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

Publications  
(continued)

2005

## Other Publications (continued)

30. **Stephens, JC** and K Sims Gallagher. 2005. Untie Utilities Hands on Coal. Op-ed in *The Albuquerque Journal*. March 10, 2005
31. **Stephens, JC** 2002. *Response of Soil Mineral Weathering to Elevated Carbon Dioxide*. Ph.D. Thesis. Dept. of Environmental Science & Engineering, Caltech, Pasadena, CA USA
32. **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

2016

**Conference Papers, Discussion Papers, and Working Papers** (underline denotes student co-author)

1. **Stephens, JC**, Burke, M, Brock, G, Jordi, E, & Watts, R. 2016. A Culture of Innovation: Vermont's Renewable Energy Transition. SCORAI Conference, University of Maine, Orono, ME USA June 15-17, 2016.
2. Palchak, E & **Stephens, JC**. 2016. Fossil fuel Divestment: The Discourse of a Dynamic Movement. SCORAI Conference, University of Maine, Orono, ME USA June 15-17, 2016

2015

3. **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

4. **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

5. Wilson, EJ, **Stephens, JC**, Feldpausch-Parker, A, Peterson, TR. 2014. Adapting Energy Systems for Climate Instability: Learning from Superstorm Sandy. APPAM Conf. Nov. 2014

6. Collins, R, Feldpausch, A., **Stephens, JC**. 2014. Hurricane Sandy, Energy System Change, Climate Change & RTOs. Industry Studies Association. Portland Oregon, May 27, 2014

2013

7. Wilson, EJ, Peterson, TR, **Stephens, JC**. 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.

8. **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.

9. **Stephens, JC**. TR Peterson, EJ Wilson. 2013. Transformation or Status Quo: Competing Visions of 'smart grid' SCORAI international conference. June 12-14, 2013.

2012

10. Stephens, N, & **Stephens, JC** 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.

11. Wilson, EJ, C Koenigs, M, Suri, TR, Peterson, **Stephens, JC** 2012. *Smart Grid in Context: Technology & Policy Across Regions*. Western Energy Policy Con. Aug 30, 2012. Boise Idaho, USA.

2011

12. 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

13. 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

14. **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

15. **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

16. Jiusto, S, **Stephens, JC**, E Boyd, S McCauley. 2009. *Drilling for Low-Carbon Energy Solutions: An Assessment of Two Alternatives*. Marsh Working Paper 2009-03. Clark, Worcester, MA.

**Publications  
(continued)**

**2009**

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

17. **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
18. **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
19. 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.* 9<sup>th</sup> Inrtrntl. Conference on Greenhouse Gas Control Technology. In: *Energy Procedia,* 1(1): 4519-4526

**2008**

20. 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

**2006**

21. **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
22. **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

**2005**

23. **Stephens, JC & B van der Zwaan.** 2005 *CO<sub>2</sub> Capture and Storage (CCS): Exploring the Research, Development, Demonstration, and Deployment Continuum* Belfer Discussion Paper 2005-08. Harvard Kennedy School. Cambridge, MA USA
24. **Stephens, JC** 2005 *Coupling CO<sub>2</sub> Capture and Storage with Coal Gasification: Defining "Sequestration- Ready IGCC.* Belfer Disc. Paper 2005-09. Harvard Kennedy School, Cambridge, MA USA

**Presentations**

**2020**

**Invited Presentations**

1. **Stephens, JC** 2020. Diversifying Power. VEIC, Burlington, VT, Dec 4, 2020
2. **Stephens, JC** 2020. Diversifying Power. Women & Inclusivity in Sustainability Research (WISER) Network, Dec 3, 2020
3. **Stephens, JC** 2020. Diversifying Power. Tufts University, CREATE Solutions, Nov 18, 2020
4. **Stephens, JC** 2020. Diversifying Power. SCORAI Webinar, Nov 16, 2020
5. **Stephens, JC** 2020. Diversifying Power. Lehigh University, Horizons Lecture, Nov 13, 2020
6. **Stephens, JC** 2020. Diversifying Power. U of Minnesota, Energy & Environmental Policy Club, November 6, 2020
7. **Stephens, JC** 2020. Diversifying Power. O'Neill School of Public & Environmental Affairs, Environmental Policy Seminar Series, Indiana University, October 29, 2020
8. **Stephens, JC** 2020. Climate & Energy Justice Panel, Open Classroom, Northeastern, October 21, 2020
9. **Stephens, JC** 2020. Diversifying Power. Macalaster RISE Seminar October 21, 2020
10. **Stephens, JC** 2020. Diversifying Power. Dartmouth, DEC Energy Seminar. October 13, 2020
11. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. University of Michigan, October 8 2020
12. **Stephens, JC** 2020. Injustices of Solar Geoengineering: A Feminist, Antiracist Perspective on the Ultimate Technological Fix. Conference on Feminist Critiques of Mainstream Climate Solutions, UMass Boston. October 8, 2020.
13. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. Hong Kong Institute of Technology, October 5, 2020
14. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. Arizona State University, October 1, 2020
15. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. University of Stavanger, October 1, 2020
16. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. Worcester Polytechnic Institute, September 30, 2020
17. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. Rutgers Energy Policy Seminar, September 25, 2020

**Presentations  
(continued)  
2020**

**Invited Presentations (continued)**

18. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. University of Vermont, Gund Institute, September 18, 2020
19. **Stephens, JC** 2020. Diversifying Power: Why We Need Antiracist, Feminist Leadership on Climate and Energy. UMass Boston Honors College. April 9, 2020. Boston, MA USA.
20. **Stephens, JC.** 2020. Hidden Injustices of Solar Geoengineering. Harvard Climate Leadership Program. January 30, 2020. Cambridge, MA USA
21. **Stephens, JC** 2020. Prioritizing Social Justice Strengthens the Science-Policy Interface. National Council for Science & Environment Annual Conference. January 7, 2020. Washington DC USA

**2019**

22. **Stephens, JC.** 2019. Diversifying Power: Why we need antiracist, feminist leadership on climate and energy. Gender Equity event. December 5, 2019. MIT, Cambridge, MA USA
23. **Stephens, JC.** 2019. Distributing Power Through Renewable Transformation for Climate Resilience. Security, Resilience Studies Seminar Series. November 12, 2019. Northeastern, Boston, MA USA
24. **Stephens, JC.** 2019. Climate Resilience, Energy Justice, and Collaborative Higher Ed Relationships. RISE 2019. November 19, 2019. University of Albany. Albany, NY USA
25. **Stephens, JC.** 2019. Climate Justice and Diversifying Power. Solutions Sprint. November 14, 2019. Toronto, Ontario, Canada.
26. **Stephens, JC.** 2019. Renewable Transformation and Energy Justice. APPAM Conference Panel. November 7, 2019. Denver, CO, USA
27. **Stephens, JC.** 2019. Hidden Injustices of Solar Geoengineering Research. Bali Workshop, November 6, 2019.
28. **Stephens, JC.** 2019. Climate and Energy Justice: Time for Transformation. Myra Kraft Open Classroom. October 23, 2019 Northeastern University, Boston, MA USA.
29. **Stephens, JC.** 2019. Renewable Transformation, Microgrids, and Social Justice. Diversifying Ownership of Energy Infrastructure. October 23, 2019 Northeastern School of Law. Boston, MA USA.
30. **Stephens, JC.** 2019. Renewable Transformation and Social Justice. Diversifying Innovation and Investments in Beyond Technology. National Wind Energy Conference. Plenary. October 15, 2019. UMass Amherst. MA. USA
31. **Stephens, JC.** 2019. Renewable Energy: Is 100% a Productive Goal? SPPUA-In-Action seminar. September 30, 2019.
32. **Stephens, JC.** 2019. Women in Public Policy Panel. Gender Equality - Women Who Empower September 25, 2019. Northeastern, Boston, MA USA.
33. **Stephens, JC,** 2019. Transformation Required: Diversify Power to Save the World. Project Drawdown Conference. September 16, 2019. Penn State, State College, PA, USA
34. **Stephens, JC.** 2019. Climate and Energy Resilience. National Institute of Urban Affairs, India. September 5, 2019. Remote online webinar.
35. **Stephens, JC.** 2019. Feminism, energy democracy & renewable transformation: Resisting oppression in socio-technical transitions. Keynote Presentation, International Sustainability Transitions Conference, June 25, 2019. Ottawa, Canada
36. **Stephens, JC.** 2019. Socio-technical Research & Network Building Activities. CESUN Annual Conference. Northeastern University, Boston MA USA May 1, 2019.
37. **Stephens, JC** 2019. Addressing Inequities through Climate Action: How Anchor Institutions Can Advance a Just Transition. 2019 Higher Education Climate Leadership Summit. February 11, 2019. Tempe, AZ. USA

**2018**

38. **Stephens, JC** 2018. *Why Grassroots Matter*. ABX Women in Design Symposium. November 29, 2018. Boston, MA USA
39. **Stephens, JC** 2018. Renewable Transformation for Societal Resilience. October 26, 2018. Fudan University, Shanghai, CHINA.
40. **Stephens, JC** 2018. *Energy Politics and Policy in an Era of Energy System Transformation*. Guest lecture in Environmental Politics and Policy Course. Northeastern October 22, 2018. Boston, MA USA
41. **Stephens, JC** 2018. *Energy Transformation*. Guest lecture in ES&P Graduate Seminar. October 17, 2018. Northeastern, Boston, MA USA
42. **Stephens, JC** 2018. *Public Acceptability of Energy Systems: Lessons From North America*. Geologic Society. October 3, 2018. London, ENGLAND

Invited Presentations (continued)

43. **Stephens, JC** 2018. *The Future is Sustainable: Green Technologies*. Guest Lecture in course on International Conflict & Diplomacy. October 1, 2018, Northeastern, Boston MA USA
44. **Stephens, JC** 2018. *Distributing the Power: Literally and Figuratively*. Terra Society. Northeastern University. October 1, 2018, Boston, MA USA
45. **Stephens, JC.** 2018 *Distributing the Power: Literally and Figuratively*. School of Public Policy & Urban Affairs In Action. Northeastern. Boston, MA USA September 18, 2018.
46. **Stephens, JC** 2018. *Collaboration and the Role of Higher Education in the Resilience Imperative*. Presentation on Security and Sustainability Forum webinar on “Rebuilding in Puerto Rico: Universities as Leaders in Community Resilience” May 23, 2018 ONLINE
47. **Stephens, JC** 2018 *Energy Democracy*. Guest lecture in Professor Shalanda Baker’s course Renewable Energy in the Global South, March 22, 2018. Northeastern, Boston, MA USA
48. **Stephens, JC** 2018. *Redistributing Power: Energy Democracy, Renewables and Climate Resilience*. March 9, 2018. University of Delaware, Milton, DE USA.
49. **Stephens, JC** 2018. *Collaboration for Community & Climate Resilience*. February 24, 2018 Auroville 50<sup>th</sup> Anniversary Conference, Tamil Nadu, INDIA.
50. **Stephens, JC** 2018. *Future Visions of Energy*. Invited Panelist. Tufts Energy Conference. Tufts University, February 3, 2018. Somerville, MA USA
51. **Stephens, JC** 2018. *Redistributing the Power: Energy Democracy, Renewables & Community Resilience* Feb 1, 2018. Tufts University, Somerville, MA USA
- 2017 52. **Stephens JC.** 2017. *The Renewable Energy Transition and Climate Resilience*. Cambridge Rindge & Latin, AP Environmental Science Dec 12, 2017. Cambridge, MA USA
53. **Stephens, JC** 2017. *Resilience, Disparities & Injustices: Climate & Energy Resilience/Justice* December 6, 2017. Myra Kraft Open Classroom. December 6, 2017 Northeastern University, Boston, MA USA
54. **Stephens, JC** 2017. *Strengthening Global Climate Resilience*. October 11, 2017. Office of Global Services. Northeastern University, Boston, MA USA
55. **Stephens, JC** 2017 *Strengthening Resilience with Renewable Energy Transformation*. September 21, 2017. Northeastern Alumni NU@Noon. Beverly, MA USA
56. **Stephens, JC** 2017 *Energy Democracy & Renewable Energy Transformation: Strengthening Resilience by Redistributing Power*. Sept 5, 2017. Boston Sustainability Group, Cambridge, MA
57. **Stephens, JC** 2017 *Strengthening Resilience by Redistributing Power: Energy Democracy, Gender Diversity & Inclusion in Renewable Energy Transformation*. July 12, 2017. Energy Democracy Symposium. U of Utah. Salt Lake City, UT USA
58. **Stephens, JC** 2017 *Energy Democracy, Gender, Resilience and Justice in the Renewable Energy Revolution*. June 7, 2017. Greentown Labs, Somerville, MA USA
59. **Stephens, JC.** 2017. May 30, 2017. *Energy Democracy, Gender, Equity & Resilience in the Renewable Energy Transition*. College of the Atlantic. Bar Harbor, ME USA
60. **Stephens, JC** 2017. *Women & Resilience in Moments of Social Crisis: A Feminist Perspective*. May 17, 2017. GRI Flash Talk, Northeastern, Boston USA
61. **Stephens, JC** 2017. *Energy Democracy, Gender & Equity in the Renewable Energy Transition*. North Shore Technology Council. May 3, 2017 Beverly MA USA
62. **Stephens, JC.** 2017. *Energy Democracy: The Revolutionary Political Power of Renewable Energy*. Invited Speaker at HEAT Energy Slam, April 11, 2017 Northeastern, Boston MA. USA
63. **Stephens, JC.** 2017. *Energy Democracy, Gender & Equity in the Renewable Energy Transition*. March 23, 2017, UMass Boston, MA, USA
64. **Stephens, JC** 2017. *Energy Democracy, Gender & Equity in the Renewable Energy Transition*: Union of Concerned Scientists. March 21, 2017 Cambridge, MA USA.
65. **Stephens, JC** 2017 *Gender & Justice in the Transition from Fossil Fuels to Renewable Energy*. Northeastern Faculty Works-In-Progress Seminar. March 20, 2017 Boston, MA USA
66. **Stephens, JC** 2017. *Controversy in Climate Mitigation Investments: Technological Optimism in Carbon Capture & Storage*. March 15, 2017. Pennsylvania Environmental Council. Pittsburgh, PA USA
67. **Stephens, JC** 2017. *The Renewable Energy Transition*. Guest lecture in Northeastern class on Environmental Politics and Policy, February 28, 2017 Boston, MA. USA

**Presentations  
(continued)  
2016**

**Invited Presentations (continued)**

68. **Stephens, JC.** 2016. *The Renewable Energy Transition in the US: Social & Political Change.* Danish Technical University, Engineering Management, November 22, 2016 Copenhagen, Denmark
69. **Stephens, JC.** 2016. *The Renewable Energy Transition in the US: Social & Political Change.* Uppsala Association of International Affairs. November 21, 2016 Uppsala, Sweden
70. **Stephens, JC.** 2016. *The Renewable Energy Transition in the US: Social & Political Change.* Stockholm University, November 21, 2016 Stockholm, Sweden
71. **Stephens, JC,** 2016. *Visions of the World and the Role of the US: Global Environmental Governance.* Myra Kraft Open Classroom. October 26, 2016 Northeastern University, Boston MA, USA
72. **Stephens, JC.** 2016. *Energy Democracy & Gender Diversity in the Renewable Energy Transition:*
73. *Value of a More Holistic, Inclusive Approach.* Fletcher School of Law & Diplomacy, Tufts University, October 26, 2016 Medford, MA USA
74. **Stephens, JC** 2016 *Resilience and the Renewable Energy Transition: Social & Cultural Change in Reducing Fossil Fuel Reliance.* October 13 2016 Northeastern Honors College Pizza & Prof. Boston MA USA
75. **Stephens, JC.** 2016 *Energy Democracy & Gender Diversity in the Renewable Energy Transition.* Social Science Environ'tl Health Research Institute. Oct. 4, 2016 Northeastern, Boston, MA USA
76. **Stephens, JC.** 2016. *Energy Democracy & Workforce Diversity in the Renewable Energy. Transition.* New Economy Coalition. September 29, 2016 Boston, MA, USA
77. **Stephens, JC.** 2016. *What is Energy Education for Sustainability?* Invited Speaker & Panel Moderator National Energy Education Summit, American University, June 7, 2016. Washington DC. USA
78. **Stephens, JC.** 2016. *Implementing Energy System Change: The Renewable Energy Transition.* National Academies of Science, Eng. & Medicine. April 28, 2016, Washington DC. USA
79. **Stephens, JC.** 2016. *Innovations in Energy-Climate Education: Integrating Engineering & Social Sciences.* Carnegie Mellon University. April 15, 2016 Pittsburgh, PA. USA
80. **Stephens, JC.** 2016 *Energy Democracy and Gender Diversity in the Energy Transition.* Santa Fe Institute. March 30, 2016 Santa Fe, New Mexico, USA
81. **Stephens, JC.** 2016. *The Renewable Energy Transition and Smart Grid: Toward Energy Democracy.* Rutgers Energy Institute, March 4, 2016 New Brunswick, New Jersey. USA
82. **Stephens, JC** 2016. *Smart Grid and the Renewable Energy Transition: Evolution or Revolution?* National Academies of Science, Eng. & Medicine. February 8, 2016 Washington DC USA
83. **Stephens, JC.** 2016. *The Renewable Energy Transition and Smart Grid: Evolution or Revolution?* Northeastern University, January 25, 2016 Boston MA USA
- 2015 84. **Stephens, JC.** 2015 *Energy System Planning Post-Superstorm Sandy: Analysis of Climate and Energy Discourse.* November 18, 2015 UMass Boston, USA
85. **Stephens, JC.** 2015. *Energy Systems for Resilience.* Policy Research Summit on Economics. University of Vermont. November 17, 2015 Burlington, VT. USA
86. **Stephens, JC.** 2015. *Fossil Fuel Divestment: A Destablization Strategy in the Renewable Energy Transition.* Ontario Network for Sustainable Energy Policy. October 29, 2015, Ontario, CANADA
87. **Stephens, JC.** 2015. *Vermont and the Renewable Energy Transition.* Vermont Agency for Natural Resources. October 21, 2015, Montpelier, VT. USA.
88. **Stephens, JC.** 2015. *Smart Grid and the Renewable Energy Transition: Evolution or Revolution?* June 24, 2015 Trinity College Dublin, IRELAND.
89. **Stephens, JC** 2015. *Power Struggles: Conundrums of the Renewable Energy Transition.* Olin College, April 27, 2015. Needham, MA, USA.
90. **Stephens, JC.** 2015. *Social Change in the Transition from Fossil Fuels to Renewable Energy Systems.* Clark University. March 27, 2015 Worcester, MA USA
91. **Stephens, JC.** 2015. *Power Struggles in the Renewable Energy Transition.* University of Massachusetts, March 4, 2015 Amherst, MA. USA
92. **Stephens, JC.** 2015. Guest Lecture in EE 295 *Non-Carbon Based Electric Power Generation.* UVM, Electrical Engineering Dept. Feb 23, 2015 Burlington, VT, USA
- 2014 93. **Stephens, JC.** 2014. Panelist in Communication Workshop. National Summit on Smart Grid and Climate Change. December 3, 2014 Washington DC. USA

**Presentations  
(continued)  
2014**

**Invited Presentations (continued)**

94. **Stephens, JC.** 2014. *Ending Fossil Fuel Investments for the Renewable Energy Transition.* Legislative Policy Research Summit on Climate Change. Nov 18, 2014 UVM Burlington, VT. USA
95. **Stephens, JC.** 2014. *Social Dimensions of the Renewable Energy Transitions.* Department of Public Service. October 21, 2014. Montpelier, VT. USA
96. **Stephens, JC.** 2014. *Power Struggles in Energy System Transition.* Huxley Lecture. Western Washington University. October 9, 2014 Bellingham, WA, USA
97. **Stephens JC.** 2014. *Social Dimensions of Smart Grid.* IGERT Program Seminar. October 1, 2014 UVM. Burlington, VT, USA
98. **Stephens, JC.** 2014. *Controversy in Climate Mitigation Investments: Technological Optimism in Carbon Capture & Storage.* School of Engineering. UVM. Sept. 16, 2014 Burlington, VT USA
99. **Stephens, JC.** 2014. *Renewable Energy Around the World: Challenges and Opportunities of Transition.* UVM Energy Action Seminar. September 8, 2014 Burlington, VT, USA
100. **Stephens, JC.** 2014. *Power Struggles: Social Dimensions of Energy System Change.* Gund Institute for Ecological Economics. UVM September 5, 2014. Burlington, VT USA
101. **Stephens, JC.** 2014. *Academic Engagement in the Renewable Energy Transition.* Roger Kasperon Honorary Symposium. May 12, 2014 Tighlman Island, MD. USA
102. **Stephens, JC.** 2014. *Stakeholders' Perspectives on Smart Grids: Report on US Focus Groups.* US-Canada Smart Grid Research Workshop. May 7, 2014 Wakefield, Quebec, Canada
103. **Stephens, JC.** 2014. *The Renewable Energy Transition & Community Engagement.* University of Vermont, April 3, 2014. Burlington, VT. USA
104. **Stephens, JC.** 2014. *Residential Solar in Massachusetts.* Guest speaker. U of Minnesota Humphrey School of Public Policy. February 24, 2014. Minneapolis, MN, USA
105. **Stephens, JC.** 2014. *Energy Innovation & Climate Change: A Socio-Technical Systems Perspective on Smart Grid.* Worcester Polytechnic Institute, Jan 21, 2014, Worcester, MA, USA
- 2013 106. **Stephens, JC.** 2013. *Smart Grid and SPEED: Socio-Political Evaluation of Energy Deployment.* UCLA Law School. November 1, 2013, Los Angeles, CA USA
107. **Stephens, JC.** 2013. *Smart Grid and Climate Change.* Environmental Science and Engineering Seminar. Caltech. October 30, 2013. Pasadena, CA USA
108. **Stephens, JC.** 2013. *Building a Sustainable Worcester.* Panelist. September 24, 2013 Hanover Theater, Worcester, MA USA
109. **Stephens, JC.** 2013. *Environmental and Sustainability Science.* Guest Lecture Graduate School of Management Course: Greening the Organization. Sep 5, 2013 Clark University, USA
110. **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. Online
111. **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, England
112. **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
113. **Stephens, JC.** 2013. *The Smart Grid Vision & Sustainability.* April 24, 2013 Keynote. MA Sustainable Communities & Campuses Conference. DCU Center, Worcester, MA USA
114. **Stephens, JC.** 2013. *Climate Change, Energy, & Communication.* April 10, 2013. Guest lecture, U of New Hampshire, Env't'l Communication course. Durham, NH USA
115. **Stephens, JC** 2013. *Social Dynamics of Technology Innovation: Energy System Change & Climate Modeling* April 2, 2013 Clark University, Worcester, MA USA
116. **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
117. **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 118. **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

Presentations  
(continued)

2012

## Invited Presentations (continued)

119. **Stephens, JC** 2012. *Competing Stakeholder Perspectives on Energy System Change & Climate Modeling*. Invited Lecture, October 31, 2012. ETH Zurich, SWITZERLAND
120. **Stephens, JC** 2012. *Environmental & Sustainability Science: Climate Change & Energy*. Oct. 27, 2012. Guest lecture MA Maritime Academy. Sustainable Business. Waltham, MA USA
121. **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
122. 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.
123. **Stephens, JC** 2012. *Climate Change: Understanding the Science and the Skepticism*. Sustainable Communities Initiative. Rhode Island College, April 12, 2012. Providence, RI, USA
124. **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
125. **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
126. **Stephens, JC** 2012. *Energy Innovation & Universities in Urban Sustainability*. Panelist, Symp. Green Cities. McKinsey & Company. Jan. 20, 2012. Knowledge Ctr Waltham, MA USA
- 2011
127. **Stephens, JC** 2011. *Engagement to Advance Social (as well as technical) Learning*. Int. Workshop on Public Participn & Govrn. of CCS Oct. 31, 2011 Westminster, London, England
128. **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
129. **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
130. **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
131. **Stephens, JC** 2011. *Socio-Political Influences on Climate Mitigating Energy Technology: Wind & Carbon Capture and Storage in the United States* EAWAG. May 13, 2011 Zurich, Switzerland
132. **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
133. **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. Online
134. **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
- 2009
135. **Stephens, JC** 2009. *The Politics of CCS Learning: Demonstration Projects and Technological Optimism Within the CCS Community*. UNFCCC Side Event on Carbon Capture and Storage. COP-15. Dec 12, 2009. Copenhagen, Denmark
136. **Stephens, JC** 2009. *Public Perception, Communication, and Social Acceptance of CCS: Relevance to Political Controversy*. Stockholm Environment Institute. Jun 11 2009. Stockholm, Sweden
137. **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
138. **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, Netherlands
139. **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
140. **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
141. **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

**Presentations  
(continued)**

**Invited Presentations (continued)**

- 2008** 142. **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** 143. **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. Wiscasset, ME USA
144. **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
145. **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
146. **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
147. **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
- 2006** 148. **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** 149. **Stephens, JC** 2005 *Policy Challenges for Deploying Climate Change Mitigation Technologies* December 5, 2005. Invited. Franklin W. Olin College of Engineering, Needham, MA USA
150. **Stephens, JC** 2005 *CO<sub>2</sub> Storage Potential in Geologic Formations in China* Harvard Kennedy School. US/China Coal Tech. Sustainable Energy Workshop. Sep 19, 2005. Camb. MA USA.
151. **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
152. **Stephens, JC** 2005. *Advancing the Demonstration and Deployment of CO<sub>2</sub> Capture and Storage Technology: The Link with Coal Gasification*. Invited Presentation at Schlumberger-Doll Research. March 22, 2005. Ridgefield, CT, USA
153. **Stephens, JC** 2005. *Decision-making in Energy with Elusive Constraints on CO<sub>2</sub>*. Env'tl. Policy Group, Dept. of Urban Studies & Planning, MIT, Feb 8, 2005. Cambridge, MA USA
- 2002** 154. **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

**Conference Presentations**

- 2020** 1. **Stephens, JC**. 2020. *Prioritizing Social Justice Strengthens the Science-Policy Interface*. NCSE Annual Conference. January 7, 2020. Washington DC USA
- 2019** 2. **Stephens, JC** 2019 *Renewable Transformation and Social Justice*. APPAM Conference. November 7, 2019. Denver CO USA
3. **Stephens, JC**. 2019. *Wind Projections and Energy Democracy. Distributing Power in the Renewable Energy Transformation*. National Wind Energy Association Conference. October 14, 2019. UMass Amherst, MA, USA.
4. **Stephens, JC** 2019. *Women's Leadership in Renewable Energy Transformation: Redistributing Power*. International Sustainability Transitions Conference. Ottawa, Canada
- 2018** 5. **Stephens, JC** 2018. *Energy Democracy: Goals and Policy Instruments Linking Political Power and Renewable Energy Futures*. APPAM. November 9, 2018. Washington DC. USA
6. **Stephens, JC** 2018. *Energy Democracy & Climate Resilience: Diversifying Social Innovations to Reduce Inequalities*. Partners in Emergency Preparedness, April 18, 2018 Tacoma, WA USA
7. **Stephens, JC** 2018. *Northeastern University's Initiatives in Resilience, Security & Emergency Preparedness*. Partners in Emergency Preparedness Conf.. April 17, 2018 Tacoma, WA USA
8. **Stephens, JC** 2018 *University Engagement with the Global Resilience Imperative*. Session Organizer at the National Council on Science & Environment Conference, Jan 23, 2018, Washington DC.
- 2017** 9. **Stephens, JC** 2017. *Gender and Energy Democracy*. April 2017. American Association of Geographers. Boston, MA April 8, 2017

Presentations  
(continued)

## Conference Presentations (continued)

- 2017
10. **Stephens, JC** *Gender Diversity & Energy Democracy in the Renewable Energy Transition The Value of a More Holistic, Inclusive Approach*. 1st International Conference on Energy Research & Social Science. Sitges, Spain. April 3, 2017
- 2016
11. **Stephens, JC** & M Burke. 2017. *Energy Democracy: Political Power and Renewable Energy*. First International Conference on Energy Research and Social Science. Sitges, Spain. April 3, 2017
12. **Stephens, JC**. Ahamed, S. 2016. Integrated Urban Management of Energy & Water: Institutional Analysis of Energy System Transitions. 4<sup>th</sup> Arab-American Frontiers Symposium. Abu Dhabi, UAE. Nov 6, 2016
13. **Stephens, JC** 2016. Energy Transformation and Global Perspectives. Panel Moderator. Northeastern Energy Conference, September 30, 2016
14. **Stephens, JC**, Palchak, E & Reese, B. 2016. Divestment and Investment: Strategic Financial Decisions in Higher Education to Promote Societal Change Toward Sustainability. World Symposium on Sustainable Development at Universities: Designing Tomorrow's Campus: Resilience, Vulnerability and Adaptation. MIT, Cambridge, MA USA September 16, 2016
15. **Stephens, JC**. Burke, M, Brock, G, Jordi, E, & Watts, R. 2016. *A Culture of Innovation: Vermont's Renewable Energy Transition*. SCORAI Conference, U of Maine, Orono, ME USA June 17, 2016.
16. **Stephens, JC**. 2016. *Energy Democracy and Increasing Diversity in the Renewable Energy Transition*. Second National Energy Education Summit. American University, Washington DC USA. June 7, 2016
- 2015
17. **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
18. **Stephens, JC** & R Pearl-Martinez. 2015. *Toward a Gender Diverse Workforce in the Renewable Energy Transition*. Academy of Int'l Business Northeast Conference, UMass Boston, MA USA October 23, 2015.
19. Graham A & **Stephens, JC** 2015. *Linking Climate and Energy Literacy: Connecting Communities and Universities*. National Energy Education Summit, January 26, 2015. Washington DC USA
- 2014
20. **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
21. **Stephens, JC**. 2014. *Energy Learning: A Socio-Technical Transitions Approach*. Assoc. for Envmt'l Studies & Sciences (AESS) Annual Conference. Pace University. New York. USA June 12, 2014
- 2013
22. **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
23. **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
24. **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
25. **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.
26. **Stephens, JC**. 2012. Chair of session *Competing Visions of Energy System Transitions: Contributions to Smart Grid* Society for Social Studies of Science (4S) & European Association for Study of Science & Technology. Oct 17-20, 2012. Copenhagen Business School, Copenhagen, Denmark.
27. **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
28. **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 & Management (APPAM) Nov 5, 2011. Washington DC USA

**Presentations  
(continued)  
2011**

**Conference Presentations (continued)**

29. 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 Conference on "Ecosystem Services: Charting a Path to Sustainability" Nov 11-13, 2011 National Academies' Beckman Center, Irvine, CA USA
30. **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
31. **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
32. **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**
33. **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
34. **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
35. **Stephens, JC** 2010. *State-Level Socio-Political Context for Wind and Carbon Capture and Storage: A Comparative Analysis*. American Association of Geographers (AAG) Meeting. April 16, 2010. Washington DC, USA
- 2009**
36. **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 Intern'l Sustainable Development Research Conference. July 7, 2009. Utrecht, The Netherlands
37. **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
- 2008**
38. **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. April 18, 2008. Boston, MA, USA
39. **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
40. **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**
41. **Stephens, JC** 2007. *Risk Perceptions of CCS: Comparative State-Level Media Analysis*. Risk Society Association Annual Meeting. December 12, 2007. San Antonio, TX, USA
42. **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.
43. **Stephens, JC**, EJ Wilson, C Mitchell. 2007. *Deploying Emerging Energy Technologies: An Interdisciplinary Framework*. Poster. American Assoc. for Advancement of Science (AAAS), "Science & Tech. for Sustainable Well-Being" February 15-19, 2007. San Francisco, CA, USA
- 2006**
44. **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. START (SysTem for Analysis, Research, & Training) Nov 7-8, 2006 Beijing, China
45. **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
46. **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) Jan 26, 2006. Washington, DC USA
- 2005**
47. **Stephens, JC** 2005 *Coupling CO2 Capture and Storage with Coal Gasification: Defining Sequestration-Ready IGCC*. 4th Conf. on Carbon Capture & Sequestration. May 4, 2005. Alexandria, VA. USA
48. **Stephens, JC**, 2005. *Assessing Geochemical Carbon Management*. American Geophysical Union Chapman Meeting Science & Technology of Carbon Sequestration. 17 Jan 2005. San Diego, CA, USA

**Presentations  
(continued)  
2005**

**Conference Presentations (continued)**

**2003**

- 49. **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
- 50. **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
- 51. **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**

Energy Democracy & Climate Resilience, *Northeastern*  
 Energy Transition & Climate Resilience: Technology, Policy and Social Change, *Northeastern*  
 The Renewable Energy Transition: Technology, Policy and Social Change, *Northeastern*  
 The 21<sup>st</sup> Century City: Urban Opportunities & Challenges in the Global Context, *Northeastern*  
 Environmental Science (undergraduate-level), *U of Vermont*  
 Energy System Transitions (graduate-level), *U of Vermont & Clark University*  
 Climate Change, Energy & Development (grad & undergrad), *U of Vermont & Clark University*  
 Environmental Science & Policy: Introduction to Case Studies (undergraduate-level), *Clark*  
 The Sustainable University/Sustainability and the Role of Higher Education, *Clark University*  
 Global Warming: How to respond? (first-year undergraduate-level), *Clark University*  
 Research Project Development for Environmental Science & Policy, *Clark University*  
 Energy & Climate Social Change Research Seminar (graduate-level), *Clark University*  
 Biogeochemical Cycles and Global Change (graduate-level), *Clark University*  
 Joint Fact Finding (grad-level, co-taught with Herman Karl), *MIT*  
 Earth System Science, *Boston University*

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

Co-Chair, 4<sup>th</sup> International SCORAI Conference “Sustainable Consumption and Social Justice” June 10-12, 2020  
 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 public forum “What is Smart Grid and Why Should We Care?” Clark. 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.  
 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 21<sup>st</sup> 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: Climate Change: Science & Solutions. Jan. 17, 2008. Wash. DC, USA  
 Co-organizer Clark Difficult Dialogues Climate Change Symposium 2007-2008 Worcester, MA USA  
 Organized Clark campus-wide Focus the Nation climate change teach-in on Jan. 31<sup>st</sup> 2008 w/ 28 faculty from 13 departments & 8 sessions each w/ 50-100 participants. Clark University

**Professional Memberships**

New England Women in Energy & Environment (NEWIEE)  
Union of Concerned Scientists (UCS)  
American Geophysical Union (AGU)  
American Association of Geographers (AAG)  
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)  
Society for Risk Analysis (SRA)  
Society for Social Studies of Science (4S)  
American Educational Research Association (AERA)  
Mothers Out Front

**Board Membership, Executive and Advisory Committees**

- MA Energy & Environmental Affairs, 80x50 Steering Committee, 2019-2020
- Green Ribbon Commission Higher Education Working Group, Boston, MA
- Co-Chair, Energy Education Community of Practice, NCSE, 2018-present
- Scientific Committee, International Sustainability Transitions Conference 2019
- Advisory Board Member of Northeastern's Public Interest Law Center, 2017-2018
- Executive Committee, Council of Energy Research & Education Leaders. 2015-2018
- Board of Trustees, VPIRG (Vermont Public Interest Research Group). 2014-2016
- Board Member, Renewable Energy Vermont Education Fund. 2015-2016
- 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. Science-policy internat'l NGO, 2007-2012
- 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

**Consulting**

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

**Professional  
Service**

**Research Proposal Peer-Reviewer for:**

- NSF Multiple Review Panels and Proposal Reviews
- NSF Science, Engineering & Education for Sustainability (SEES),
- NSF Integrative Grad. Education & Research Traineeship (IGERT) Review Panel
- US Department of Energy
- EPA Science To Achieve Results (STAR) Graduate Fellowship
- Swiss National Science Foundation
- Social Sciences & Humanities Research Council (SSHRC) of Canada
- UK Economic & Social Research Council Research Centres Competition
- Netherlands Organisation for Scientific Research
- King Fahd University, Saudi Arabia
- AAAS South Carolina Centers of Economic Excellence
- Michigan Sea Grant, University of Michigan

**Book Proposal Peer-Reviewer for:**

Bentham Science Publishers

Brookings Institution Press

Cambridge University Press

Elsevier Science & Tech.

Oxford University Press

Routledge - Earthscan

Springer

University of British Columbia Press

University of California Press

**Editorial Board Member**

Associate Editor, Sustainability Transitions Domain, *Elementa: Science of the Anthropocene*

Editorial Board Member, *Energy Research and Social Science*

Editorial Board Member, *Global Sustainability*

Editorial Board Member, *Sustainability: Science, Practice, and Policy*

Editorial Board Member, *Journal of Environmental Studies and Sciences*

**Professional Service (cont)**

**Peer-Reviewer of Manuscripts for:**

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

**Student  
Theses  
Advising**

**Current Students**

**Graduate Thesis Committee**

1. Yutong Si, PhD Student, School of Public Policy & Urban Affairs, Northeastern, Boston, MA, USA
2. Marisa Sotolongo, PhD Student, School of Public Policy & Urban Affairs, Northeastern, Boston, MA USA
3. Lizzy Warner, PhD Candidate, Interdisciplinary Engineering, Northeastern
4. Sonya Ahamed, PhD Candidate, Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT, USA
5. Kristin Raub, PhD Candidate, Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT, USA

**Graduated Students**

**2019**

Laura Edling, PhD. Rubenstein School of Environment and Natural Resources, UVM, Burlington, VT, USA

Josh Laufer, PhD, Law and Public Policy, School of Public Policy & Urban Affairs, Northeastern University, Boston, MA USA

Lauren Conterno, PhD, Sociology, Northeastern, Boston MA, USA

Courtney Tan, PhD, Political Science, Northeastern University, Boston, MA USA

William Walker, PhD, Law and Public Policy, School of Public Policy & Urban Affairs, Northeastern, Boston, MA USA

Sahar Mirzaee, PhD, Law and Public Policy, School of Public Policy and Urban Affairs, Northeastern University, Boston, MA USA

**2018**

Mathew Burke, PhD. Natural Resource Sciences, McGill School of the Environment, McGill University, Montreal, Quebec, Canada

Daniel Fredman, PhD Rubenstein School of Environment and Natural Resources, IGERT, UVM, Burlington, VT USA.

Elizabeth Palchak, PhD. Rubenstein School of Environment and Natural Resources, UVM, Burlington, VT, USA

**2016**

Elizabeth Allen, PhD. School of the Environment, Washington State University, Pullman, Washington, USA.

**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

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