

Chelsea Schelly, Ph.D.

Associate Professor of Sociology
Department of Social Sciences
Michigan Technological University
Citations: 1,166 as of 6/9/21
H-Index: 15

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EMPLOYMENT

2017-Present Associate Professor of Sociology, Department of Social Sciences
Environmental and Energy Policy Graduate Program
Michigan Technological University

2013-2017 Assistant Professor of Sociology, Department of Social Sciences
Environmental and Energy Policy Graduate Program
Michigan Technological University

EDUCATION

2013 Ph.D., Sociology, University of Wisconsin-Madison
Minor in Science and Technology Studies
Certificate in Humans and the Global Environment (NSF-IGERT)

2008 M.A., Sociology, Colorado State University

2005 B.A. with honors, Sociology, University of Wisconsin-Madison
Certificate in Environmental Studies

BOOKS (* indicates student collaborator)

Halvorsen, K.E., Schelly, C., Handler, R., Pischke, E.,* Knowlton, J., Eds. 2019. *A Research Agenda for Environmental Management*. Edward Elgar.

Schelly, C., and Banerjee, A.,* Eds. 2018. *Environmental Policy and Pursuit of Sustainability*. Routledge.

Schelly, C. 2017. *Dwelling in Resistance: Living with Alternative Technologies in America*. Rutgers University Press.

Schelly, C. 2014. *Crafting Collectivity: American Rainbow Gatherings and Alternative Forms of Community*. Boulder, CO: Paradigm Publishers. Reprinted by Routledge, 2016

BOOK CHAPTERS (* indicates student collaborator)

Schelly, C., Lytle, W.*, Berman, H.*, Floress, K., and Cuite, C. (Forthcoming). The social class and lifestyle embeddedness of being within energy infrastructures. Forthcoming in *Infrastructural Being. Rethinking dwelling in a naturecultural world*, edited by Jarno Valkonen, Veera Kinnunen, Heikki Huilaja & Teemu Loikkanen. Under contract with Palgrave. (Anticipated publication 2022)

Bessette, D., Schelly, C., Schmitt Olabisi, L., Gagnon, V., Fiss, A., Arola, K., Matz., E., Ong, R., and K. Halvorsen. (Forthcoming). Energy democracy in practice: Centering energy sovereignty in rural communities and Tribal Nations. In *Routledge Handbook of Energy Democracy*, Eds. A. Feldpausch-Parker, D. Endres, T. Rai Peterson, and S. Gomez. Under contract with Routledge Press. (Anticipated publication 2021).

Schelly, C. and Pearce, J.M. (2020). Bridging the Social and Environmental Dimensions of Global Sustainability in STEM Education with Additive Manufacturing. Chapter 8 (Pages 155-172) In Ali, N., & Khine, M.S. (Eds). *Integrating 3D printing into teaching and learning: Practitioners' perspectives*. Leiden, the Netherlands: Brill Publishing.

Schelly, C. (2019). Pursuing Sustainable Consumption through Diverse Alternative Economies: A Comparative Examination of Two US Intentional Communities. Page 121-138 in *Sustainable Consumption – Promise or Myth? Case Studies from the Field*. Edited by Jean Leon Boucher and Jukka Heinonen. Cambridge Scholars Publishing.

Sidortsov, R., R. Heffron, and C. Schelly, T.M.Mose, and B. Tarekegne*. (2019). In Search of Common Ground: Energy Justice Perspectives in Fossil Fuel Extraction. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., and Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.

Barnett, B.*, E. Prehoda*, A. Kantamneni*, R. Winkler, and C. Schelly. (2019). Sociotechnical Dimensions of Solar Technology Adoption. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., and Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.

Abrams, J., D. Cordoba, H. Gorman, C. Schelly, and R. Sidortsov. (2019). Power within and beyond the state: Understanding how power relations shape environmental management. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., and Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.

Watkins, D., R. Shwom, C. Schelly, D. Agusdinata, K. Floress, and K.E. Halvorsen. (2019). Household Conservation and the Food-Energy-Water Nexus. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., and Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.

Banerjee, A.* and Schelly, C. (2018). When one size does not fit all: Environmental Policy, Social Context, and Social Justice. In Schelly, C., and Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.

Banerjee, A.*, and Schelly, C. (2018). Social and political inequality as challenges in technology diffusion: Evidence from government-funded improved cookstove program in rural Mexico. In Schelly, C., and Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.

Kreuze., A.,* Sidortsov, R, and Schelly, C. (2018). The Power of the Talking Points: Persuasive Power and the Challenges of Sustainable Natural Resource Development. In Schelly, C., and Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.

Schelly, C. and Banerjee, A.* (2018). Environmental Policy and Pursuit of Just Sustainability. In Schelly, C., and Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.

Banerjee, Aparajita*, Chelsea L. Schelly, and Kathleen E. Halvorsen. (2018). Constructing A Sustainable Bioeconomy: Multi-scalar Perceptions of Sustainability. Page 355-374 in Walter Leal Filho, Diana-Mihaela Pociovalisteanu, P. Borges de Brito, and I. Borges de Lima, Eds., *Towards a Sustainable Bioeconomy: Principles, Challenges and Perspectives*. Springer.

Schelly, C. (2016). Everyday Household Practice in Alternative Residential Dwellings: The Non-Environmental Motivations for Environmental Behavior. Pages 265-280 in *The Greening of Everyday Life: Challenging Practices, Imagining Possibilities*. Edited by John Meyer and Jens Kersten. New York: Oxford University Press.

Schelly, C. (2016). How Policy Frameworks Shape Environmental Practice: Three Cases of Alternative Dwelling. Pages 185-203 in *Putting Sustainability into Practice: Advances and Applications of Social Practice Theories*, edited by Emily Huddart Kennedy, Maurie J. Cohen, and Naomi Krogman. Cheltenham, UK: Edward Elgar.

Schelly, C. (2014). Transitioning to Renewable Sources of Electricity: Motivations, Policy, and Potential. Pages 62-72 in *Controversies in Science and Technology, Volume 4*. Edited by Daniel Lee Kleinman, Karen Cloud-Hansen, and Jo Handelsman. New York: Oxford University Press.

PUBLICATIONS (* indicates student collaborator)

Lytle, W.*, Schelly, C., Floress, K., Shwom, R., Halvorsen, K. (2021) Environmental Decision Making Shaped by the Home: Situating Consumption in the Household Context. *Human Ecology Review* 26

Pascaris, A.S.*, Schelly, C., Burnham, L., Pearce, J. (2021). Integrating Solar Energy with Agriculture: Industry Perspectives on the Market, Community, and Socio-Political Dimensions of Agrivoltaics. *Energy Research and Social Sciences* 75 <https://doi.org/10.1016/j.erss.2021.102023>

Knowlton, Jessie L., K.E. Halvorsen, D.J. Flaspohler, C.R. Webster, J. Abrams, S.M. Almeida, S.L. Arriaga Weiss, B. Barnett, M.R. Cardoso, P.V. Cerqueira, D. Córdoba, M. Persio Dantas Santos, J.L. Dunn, A. Eastmond, G.M. Jarvi, J.A. Licata, E.E. Mata Zayas, R. Medeiros, M. Azahara Mesa Jurado, L. Yamily Moo Culebro, C. Moseley, E. Nielsen, C.C. Phifer, E.C. Pischke, C. Schelly, T. Selfa, C.A. Silva, T. Souza, S. R. Sweitz, C.J. Vázquez Navarrete. (2021) Birds and bioenergy within the Americas: a cross-national, social-ecological study of ecosystem service tradeoffs. *Land*. 10, 258. <https://doi.org/10.3390/land10030258>

Schaefer, M., Olabisi, L.S., Arola, K., Poitra, C.M. Matz, E., Seigel, M., Schelly, C., Adesanya, A., Bessette, D. (2021). Understanding Socio-Technological Systems Change through an Indigenous Community-Based Participatory Framework. *Sustainability* 13 <https://doi.org/10.3390/su13042257>

Kliskey, A., Williams, P., Griffith, D., Dale, V.H., Schelly, C., Marshall, A.-M., Gagnon, V., Eaton, W., Floress, K. (2021). Thinking big and thinking small: A conceptual framework for best practices in community and stakeholder engagement in food, energy, and water systems. *Sustainability* 13 <https://doi.org/10.3390/su13042160>

Schelly, C., Lee, D.*, Matz, E., Pearce, J.M. (2021). Applying a Relationally and Socially Embedded Decision Framework to Solar Photovoltaic Adoption: A Conceptual Exploration. *Sustainability* 13(2), 711; <https://doi.org/10.3390/su13020711>

Lytle, W.*; T.K. Meyer; N.G. Tanikella; L. Burnham; J. Engel; C. Schelly; J.M. Pearce. (2021) Conceptual Design and Rationale for a New Agrivoltaics Concept: Pastured-Raised Rabbits and Solar Farming. *Journal of Cleaner Production*. 282: <https://doi.org/10.1016/j.jclepro.2020.124476>

Pascaris, A.S.*, Schelly, C., Pearce, J.M. (2020). A First Investigation of Agriculture Sector Perspectives on the Opportunities and Barriers for Agrivoltaics. *Agronomy* 10, 1885. doi:10.3390/agronomy10121885

Schelly, C., Prehoda, E.*, Price, J., Delach, A., Thapaliya, R. (2020) Ratepayer Perspectives on Mid- to Large-Scale Solar Development on Long Island, NY: Lessons for Reducing Siting Conflict through Supported Development Types. *Energies* 13 doi:10.3390/en13215628

Schelly, C., Bessette, D., Brosemer, K.*, Gagnon, V., Arola, K., Fiss, A., Pearce, J.M., Halvorsen, K.E. (2020). Energy Policy for Energy Sovereignty: Can policy tools enhance energy sovereignty? *Solar Energy* 205: 109-112. <https://doi.org/10.1016/j.solener.2020.05.056>

Adesanya, Adewale,* Roman V. Sidortsov, and Chelsea Schelly. (2020). Act locally, transition globally: Grassroots resilience, local politics, and five municipalities in the United States with 100% renewable electricity. *Energy Research and Social Science* (67). <https://doi.org/10.1016/j.erss.2020.101579>

Schelly, Chelsea and Letzelter,* Jim. (2020). Examining the Key Drivers of Residential Solar Adoption in Upstate New York. *Sustainability* 12(6), 2552; <https://doi.org/10.3390/su12062552> Published in invited guest edited (C.Schelly) Special issue of *Sustainability* on "Human-Technology-Interactions and Sustainable Energy Communities"
https://www.mdpi.com/journal/sustainability/special_issues/human_technology_interactions

Schelly, C., Price, Jessica, P., Delach, A., Thapaliya, R., Leu, K. (2019). Improving Solar Development Policy and Planning through Stakeholder Engagement: The Long Island Solar Roadmap Project. *The Electricity Journal* 32(10) <https://doi.org/10.1016/j.tej.2019.106678>

Adesanya, Adewale Aremu* and Chelsea Schelly. (2019). Solar PV-Diesel Hybrid Systems for the Nigerian Private Sector: An Impact Assessment. *Energy Policy* 132: 196-207. <https://doi.org/10.1016/j.enpol.2019.05.038>

Prehoda, E.* Joshua Pearce, and Chelsea Schelly. (2019) Policies to overcome barriers for renewable energy distributed generation: A case study of utility structure and regulatory regimes in Michigan. *Energies*. 12(4), 674; <https://doi.org/10.3390/en12040674>

Prehoda, E.* Richelle Winkler, and Chelsea Schelly. (2019). Putting research to action: Integrating collaborative governance and community engaged research for community solar. *Social Sciences* 8(11) doi:10.3390/socsci8010011

Schelly, C. (2018). Bringing the Body into Environmental Behavior: The Corporeal Element of Social Practice and Behavioral Change. *Human Ecology Review*. <https://openresearch-repository.anu.edu.au/bitstream/1885/142831/3/Schelly.pdf>

Rahman, S.M. Mizanur,* Schelly, C., Norman, E.S., and Mayer, A.L. (2018). Breaking Ships to Build a Nation: Uncovering Discursive Framings of the Bangladesh Shipbreaking Industry. *Social Sciences* 7(1), doi:[10.3390/socsci7010014](https://doi.org/10.3390/socsci7010014).

- Schelly, C., Louie, E.P.,* and Pearce, J.M. (2017). Examining Interconnection Policy and Net Metering Compensation for Distributed Generation in the United States. *Renewable Energy Focus* 22/23: 10-19. <https://doi.org/10.1016/j.ref.2017.09.002>
- Banerjee, Aparajita* Emily Prehoda,* Roman Sidortsov, and Chelsea Schelly. (2017). Renewable, ethical? Assessing the energy justice potential of renewable electricity. *AIMS ENERGY* 5(5): 768-797. doi: 10.3934/energy.2017.5.768
- Prehoda, E.,* Schelly, C., and Pearce, JM. (2017). U.S. Strategic Solar Photovoltaic-Powered Microgrid Deployment for Enhanced National Security. *Renewable & Sustainable Energy Reviews* 78: 167-175. <https://doi.org/10.1016/j.rser.2017.04.094>
- Banerjee, Aparajita*, Chelsea L. Schelly, and Kathleen E. Halvorsen. (2017). Understanding public perceptions of wood-based electricity production in Wisconsin, United States: place-based dynamics and Social Representations. *Environmental Sociology* 3(4): 381-393. <http://dx.doi.org/10.1080/23251042.2016.1272181>.
- Schelly, C. and Banerjee, A.* (2016). Soft Energy Paths Revisited: Politics and Practice in Energy Technology Transitions. *Challenges* 7, 16, doi:10.3390/challe7020016.
- Kreuze, A.* Schelly, C, and Norman, E.S. (2016). To Frack or not to Frack: Perceptions of the Risks and Opportunities of High-Volume Hydraulic Fracturing in the United States. *Energy Research and Social Sciences* 20: 45-54. <http://dx.doi.org/10.1016/j.erss.2016.05.010>
- Schelly, C. (2016) Understanding Energy Practices: A Case for Qualitative Research. *Society & Natural Resources* 29(6): 744-749. <http://dx.doi.org/10.1080/08941920.2015.1089613>
- Schelly, C. (2015). What's Political about Solar Electric Technology? The User's Perspective. *Engaging Science, Technology & Society* 1: 25-46.
- Schelly, C. (2015). Frameworks for Understanding and Promoting Solar Energy Technology Development. *Resources* 4: 55-69.
- Schelly, C., Anzalone, G., Wijnen, B.,* and Pearce, J. (2015). Open-Source 3-D Printing Technologies for Empowered and Transformative Education: Bringing Additive Manufacturing to the Classroom. *Journal of Visual Languages and Computing* 28: 226-237.
- Schelly, C. (2014). Are Residential Dwellers Marking and Claiming? Applying the Concepts to Humans Who Dwell Differently. *Environment and Planning D: Society and Space* 32(4): 672-688.
- Schelly, C. (2014). Residential Solar Electricity Adoption: What Motivates, and What Matters? A Case Study of Early Adopters. *Energy Research and Social Science* 2: 183-191.
- Schelly, C. (2014). Implementing Renewable Energy Portfolio Standards: The Good, the Bad, and the Ugly in a Two State Comparison. *Energy Policy* 67: 543-551.

Schelly, C., and Price, J. (2014). Utilizing GIS to Examine the Relationship Between State Renewable Portfolio Standards and the Adoption of Renewable Energy Technologies. *International Journal of Geo-Information* 3(1): 1-17.

Schelly, C., Cross, J.E., Franzen, W.S., Hall, P., & Reeve, S. (2012). How to Go Green: Creating a Conservation Culture in a Public High School through Education, Modeling, and Communication. *Journal of Environmental Education* 43(3): 143-161.

Schelly, C., Cross, J.E., Franzen, W.S., Hall, P., & Reeve, S. (2011). Reducing energy consumption and creating a conservation culture in organizations: A case study of one public school district. *Environment and Behavior* 43(3): 316-343.

Alatout, S. & Schelly, C. (2010). Rural Electrification as a “Bioterritorial” Technology: Redefining Space, Citizenship, and Power during the New Deal. *Radical History Review* 107: 127-138.

Schelly, C. (2010). Testing residential solar thermal adoption. *Environment and Behavior* 42(2): 151-170.

Zahran, S., Brody, S.D., Vedlitz, A., Lacy, M.G., & Schelly, C. (2008). Greening local energy: Explaining the geographic distribution of household solar use in the United States. *Journal of the American Planning Association* 74(4): 419-434.

SELECT OTHER PUBLICATIONS (* indicates student collaborator)

Schelly, C. (Forthcoming). Book Review: *American Community*. Invited review for *Contemporary Sociology*.

The Nature Conservancy. (2021). Long Island Solar Roadmap: Advancing Low-Impact Solar in Nassau & Suffolk Counties. Contributors: Jessica Price (project lead), Aimee Delach, Karen Leu, Stephen Lloyd, Catherine Morris, Chelsea Schelly, August Schultz, Rupak Thapaliya. <http://solarroadmap.org/>

Tiwari, S.,* Tarekegne, B.,* and Schelly, C. (2020). Global Electricity Development: Technological, Geographical, and Social Considerations. *Encyclopedia of the UN Sustainable Development Goals: Affordable and Clean Energy*, edited by Prof. Walter Leal Filho, Amanda Lange Salvia, Dr. Anabela Marisa Azul, Prof. Luciana Londero Brandli, and Prof. Tony Wall. Springer Nature.

Adesanya, A.,* and Schelly, C. (2020). Promoting Policies. *Encyclopedia of the UN Sustainable Development Goals: Affordable and Clean Energy*, edited by Prof. Walter Leal Filho, Amanda Lange Salvia, Dr. Anabela Marisa Azul, Prof. Luciana Londero Brandli, and Prof. Tony Wall. Springer Nature.

Brosemer, K.*, Schelly, C., Gagnon, V., Arola, K.L., Pearce, J.M., Bessette, D., Schmidt Olabisi, L. (2020). The Energy Crises Revealed by COVID: Intersections of inequality, Indigeneity, and health. *Energy Research and Social Science* 68

Prokopy, L., Gramig, B., Bower, A., Church, A., Ellison, B., Floress, K., Gassman, P., Genskow, K., Gucker, D., Hallett, S., Hill, J., Hunt, N., Johnson, K., Kaplan, I., Kelleher, P., Kok, H., Komp, M., Lammers, P., LaRose, S., Liebman, M., Margenot, A., Mulla, D., O'Donnell, M., Peimer, A., Reaves, E., Salazar, K., Schelly, C., Schilling, K., Secchi, S., Spaulding, A., Swenson, D., Thompson, A., Ulrich-Schad, J. (2020). The

urgency of transforming the Midwestern U.S. landscape into more than corn and soybean. *Agriculture and Human Values*. <https://doi.org/10.1007/s10460-020-10077-x>

Schelly, C. (2020). Alternative Technologies and Emancipatory Environmental Practice. Invited contribution for *The Cambridge Handbook of Environmental Sociology*, edited by Michael Bell, Michael Carolan, Katharine Legun, and Julie Keller. Cambridge University Press.

Barnett, B., Meldrum, J., Niemi, B., Prehoda, E., Schelly, C., Winkler, R. (2019). A Guidebook to Increasing Low-to-Moderate Income Households' Access to the Benefits of Rural Public Power Community Solar Programs. American Public Power Association.

Schelly, C. (2019). Book Review: *Moral Entanglements: Conserving Birds in Britain and Germany*, by Stefan Bargheer. *American Journal of Sociology* 124(6): 1932-1934.

Schelly, C. (2019). Book Review: *Money in a Human Economy*, by Keith Hart. *Contemporary Sociology* 48(1): 66-68.

Sidortsov, R., Schelly, C., Rouleau, M., Baeten, J., Lytle, W. (2018). "Section X: Broader Impacts." In Independent Risk Analysis for the Straits Pipelines Final Report. Produced for the State of Michigan. Project ID 1801011.

Schelly, C. (2016). Unconventional oil and gas: Influence of politics and proximity on perceptions. *Nature Energy*. Invited News and Views contribution October 6: 1-2 (lead article).

Schelly, C. (2016). Book Review: *Engaging the Everyday*, by John M. Meyer. *Contemporary Sociology* 45 (4): 483-484.

Schelly, C. and Price, J.M. (2010). "Environmental Stewardship," in *Green Energy: An A-to-Z Guide*. Edited by Dustin Mulvaney. Sage Publications, Inc: Thousand Oaks, CA.

FUNDING AWARDS

- | | |
|-------------|---|
| Spring 2020 | "Consumption Behaviors and COVID-19: A More Sustainable Reconfiguration of FEW Consumption?" NSF-RAPID. PI David Watkins, Chelsea Schelly co-PI. Requested funding: \$185,000. |
| Spring 2020 | "Social implications of genetically improved trees: Assessing public and forest owner attitudes, risk perceptions, and willingness to adopt," Proposal submitted to USDA-AFRI. Matthew Kelly, PI, Chelsea Schelly and Carsten Kulheim, co-PI. |
| Spring 2020 | "The Energizer Bunny: Dual-Use Photovoltaic and Pasture-Raised Rabbit Farms." Department of Energy. FOA/Award#: DE-EE0008990. J.M. Pearce, PI, C. Schelly, co-PI. |
| Fall 2019 | "Collaborative Research: GCR: A Convergent Discipline in Socio-Technological System Transitions: Research on Michigan Community & Anishinaabe Renewable Energy Sovereignty [MICARES]," NSF Convergence, Kathleen E. Halvorsen, PI, Chelsea Schelly, co-PI. Total awarded funding: \$1,012,875. 10/1/19-9/30/24. |

- Fall 2019 “INFEWS/T3 RCN: EngageINFEWS – A Research Coordination Network (RCN) for Community and Stakeholder Engagement Critical to Innovations at the Nexus of Food, Energy, and Water Systems Science” PI Andrew Kliskey, University of Idaho, Chelsea Schelly, co-PI. Total awarded funding: \$624,639. 8/15/19-9/14/24.
- Fall 2018 Michigan Technological University College of Engineering Interdisciplinary Collaboration Seed Funding. Stage 1 support received for workshop on CNH research proposal development. Noel Urban, PI. Funding received: 5,000.
- Fall 2018 “Enhancing electrical grid and community resilience through repurposing decommissioned mines into underground pumped storage facilities,” Scoping proposal submitted to the Alfred P. Sloan Foundation. Roman Sidortsov, PI, Chelsea Schelly, co-PI. Total awarded funding: \$49,963. 2 year project.
- Fall 2018 “Long Island Solar Roadmap Project” Contracted solar scientist. In collaboration with The Nature Conservancy and Defenders of Wildlife. 2 year project.
- Fall 2017 “Independent Risk Analysis for the Straits Pipelines” Task X Broader Impacts. Michigan Tech Contracted by State of Michigan. Report provided fall 2018.
- Fall 2017 “Increasing Low-to-Moderate Income Household’s Access to the Benefits of Rural Public Power Community Solar Programs,” Chelsea Schelly, PI, with co-PI Richelle Winkler, subcontracted with WPPI, submitted to American Public Power Association, Demonstration of Energy & Efficiency Developments (DEED) program. Total project budget: \$69,224. Project period: Jan. – Dec. 2018.
- Fall 2016 “Reducing Household Food, Energy and Water Consumption: A Quantitative Analysis of Interventions and Impacts of Conservation,” NSF-INFEWS. David Watkins, PI, Chelsea Schelly, co-PI. Total funding: \$2,983,358, 10/1/16-9/30/21.
- Fall 2015 “Coupled Production-Consumption Systems for Climate Change Mitigation: Designing Equitable Food, Energy, and Water Conservation Strategies.” National Science Foundation. David Watkins and Kathleen Halvorsen. Chelsea Schelly, Affiliated Faculty, Planning Committee. Total funding: \$47,200.
- Summer 2015 Rural Sociological Society, Early Career Research Award
Proposal title: “Policies for Self-Provisioning: Understanding the Success of Alternative Rural Communities.” Funding amount: \$2,500.00
- Summer 2015 Michigan Technological University’s Research Excellence Fund – Scholarship and Creativity Grant. Proposal title: “Policies for Self-Provisioning: Understanding Alternative Technology Use at Dancing Rabbit Ecovillage,” Funding amount: \$4,219.00
- Fall 2013 National Science Foundation PIRE Project, “Sustainability, Ecosystem Services, 2018 and Bioenergy Development across the Americas,” Michigan Technological University, Dr. Kathleen Halvorsen, PI. C. Schelly, Senior Personnel

- Fall 2013 “Bringing Small-Scale, Distributed Solar Technology to Campus for Student Education, A Behavioral Research Program, and Technological Innovation” MTU Century II Campaign Endowed Equipment (C2E2). Awarded funding: \$5,000.
- 2010 – 2014 Environmental Protection Agency - Science To Achieve Results (STAR) Graduate Fellowship (EPA_F2009-STAR-13), FP917171
Research Category: “Science & Technology for Sustainability: Environmental \ Behavior and Decision Making”
Project Title: “Residential Solar Technology Adoption: Motivations for Environmental Behavior and Experiences with Alternative Energy Systems”
- 2008 – 2012 Fellowship, National Science Foundation, CHANGE-IGERT
Interdisciplinary Graduate Education and Research Traineeship: Certificate on Humans and the Global Environment, University of Wisconsin-Madison

TEACHING AT MICHIGAN TECH

Undergraduate: Introduction to Sociology; History of Social Thought; Science, Technology, and Society; Energy and Society; Ethnographic Research Methods; Special Topics: Racial Inequality in Contemporary America; Social Inequality
Graduate: Professional Development; Research Design; Environmental Governance and Decision Making

TEACHING AWARDS

- Spring 2018 Exceptional Graduate Mentor Award
MTU Graduate Student Government
- Springs 2015 History of Social Thought
Michigan Tech Center for Teaching and Learning
Creative Canvas Course Contest (C-4) Winner
Course Also Received Recognition for Student Evaluations in top 10%

SELECT INVITED LECTURES since 2018

- “Research and Design Work,” invited participant, Sustainability Stewards meeting, Michigan Tech, February 2021
“Minimalism,” invited facilitator for the Sustainability Films Series, February 2021
“Mobility at Michigan Tech,” invited panelist on MTU organized panel discussion, January 2021
“Large team science proposals,” invited participant on MTU Research Development Day panel, January 2021
“Marketing Residential Solar to Women: Research Roundtable,” invited roundtable participant for national webinar organized by TerraCurrent, a green marketing firm in California
“Community input on role of policing in Houghton County,” invited presentation for the Houghton County Planning Commission, July 2020
“Intentional Communities: Living Sustainably with a Shared Purpose,” invited virtual lecture for Upper Peninsula Environmental Coalition, July 2020
“Earning Tenure,” invited participant on MTU Faculty Development panel

April 2019

“Interdisciplinary research,” invited participant on MTU Research Development Day panel, January 2019

“Social and Policy Considerations for Alternative Technology,” invited lecture to MTU Alternative Energy Enterprise, Fall 2018

“Presenting to a scientific audience,” invited presentation for MTU Graduate Student Government professional development event, February 22, 2018

“Intentional Communities as Models for Rural Resilience? Measuring what Matters,” Michigan Tech Dept. of Social Sciences brownbag, February 2, 2018

SELECT CONFERENCE PRESENTATIONS since 2018

“Energy Sovereignty for Rural and Indigenous Communities,” Organized Panel Discussion Session. Chelsea Schelly, Richelle Winkler, and Doug Bessette, co-organizers. ISSRM 2020 Virtual Conference.

“Improving Solar Development Policy and Planning through Stakeholder Engagement: The Long Island Solar Roadmap Project,” Chelsea Schelly, Jessica Price, Aimee Delach, Rupak Thapaliya, Karen Leu. Presented at the Boise State University Energy Policy Institute’s Energy Policy Research Conference, Sept. 2019

“Accounting for Active Actants in Household Consumption Research,” William Lytle and Chelsea Schelly. ISSRM, June 2019.

“Accounting for Active Actants in Household Consumption Research,” Chelsea Schelly and William Lytle. Energy Research and Social Science Conference, May 2019.

“Community-engaged research for community solar design,” R. Winkler, E. Prehoda, C. Schelly. Energy Research and Social Science Conference, May 2019.

“Accounting for Active Actants in Household Consumption Research,” Chelsea Schelly and William Lytle. Western Social Sciences Association, April 2019.

“Community scale solar electricity for rural communities: Designing for resilience, access, and identity,” Emily Prehoda, Chelsea Schelly, and Richelle Winkler. 2018 Rural Sociological Society Conference, July 2018.

“Collaborative Governance and Wisconsin’s Biomass Harvesting Guidelines.” Dunn, J.L., K.E. Halvorsen, C. Schelly, and J. Abrams. 2018 International Symposium on Society and Resource Management (ISSRM), Salt Lake City, Utah.

“Community scale solar electricity for rural communities: Designing for resilience, access, and identity,” Emily Prehoda, Chelsea Schelly, and Richelle Winkler. Presented at the 2018 International Symposium for Society and Resource Management, June 2018

“The Challenges of Reducing Household Consumption Across the Food-Energy-Water Nexus,” Chelsea Schelly and William Lytle. Presented at the 2018 International Symposium for Society and Resource Management, June 2018

“The Challenges of Reducing Household Consumption Across the Food-Energy-Water Nexus,” Chelsea Schelly and William Lytle. Presented at the 2018 Western Social Science Association, San Antonio TX, April 2018

PROFESSIONAL SERVICE and MEMBERSHIPS

Rural Sociological Society, Member: 2013-Present

Nominated and Elected for Council position, 2015-2017

Awards and Endowment Committee, 2015-2017. Committee chair: 2016-2017.

Elected to Ethics Committee, 2017-2019. Committee chair: 2017-2018.

Western Social Sciences Association, Member: 2006-Present

Book Review Editor, *Social Science Journal*, 2015-present

Annual conference section coordinator, Environmental Policy and Natural Resources Section, 2014-present

International Association for Society and Natural Resources (IASNR): 2015-Present

International Association for Society and Natural Resources, International Symposium for Society and Natural Resources 2016, to be held in Houghton, MI. Executive planning committee
Faculty mentor for MTU-ASPEN, the student chapter of IASNR at Michigan Tech.

ISSRM 2016 Scientific Advisory Committee

Sustainable Consumption Research and Action Initiative (SCORAI), Member

International organization for sustainable consumption researchers and practitioners

Early career paper award, 2016 International Conference. Award Committee, paper reviewer

Reviewer: *Environment & Behavior; Social Science Journal; Energy Policy; Energy Research and Social Science; Society & Natural Resources, Environment and Planning D: Society and Space; Social and Cultural Geography; Rural Sociology; Applied Environmental Education and Communication; Local Environment; Environmental Management; Science Technology & Human Values; Environmental Politics; Environments; Community Development; Sustainability; Applied Energy; Energy Efficiency; Smart Cities; Energies; Environmental Studies and Sciences; Environmental; Energy, Sustainability, and Society; Social Forces*

Society & Natural Resources, Editorial Board Member, January 2019-

University of California Press: Reviewer. Invited book manuscript reviewer

Polity Press: Reviewer. Invited book manuscript reviewer

Rutgers University Press: Invited book manuscript review

Invited guest Editor for Special issue of *Sustainability*, 2020

UNIVERSITY SERVICE

Michigan Tech Sustainable Futures Institute, Associate Director of Energy

Spring 2019-December 2021

Michigan Tech's President's Tech Forward Initiative on Sustainability & Resilience Working

Group member, Spring 2019-Spring 2021; Lead: Spring 2021-Present

DEPARTMENT SERVICE

Director of Graduate Studies, Fall 2017-Spring 2020

Environmental and Energy Policy Graduate Program: Curriculum committee; Admissions committee

Department of Social Sciences

Department Major Assessment, Fall 2014, Fall 2015, Fall 2016, Spring 2017, Spring 2019

Environmental and Sustainability Science Major Development Committee

Social Sciences Major Curriculum committee

Department-Library Liason, 2013-2014

Search Committee, Fall 2015 Energy Policy Faculty Search

Committee chair: Kathy Halvorsen

Search Committee, Fall 2016: Search Committee Chair

STUDENT ADVISING

Will Lytle, Environmental and Energy Policy Program, PhD – advisor, current

Abbi Halkola, Environmental and Energy Policy Program, PhD – advisor, current

Christian Sheja, Environmental and Energy Policy Program, PhD – advisor, current

Shardul Tiwari, Environmental and Energy Policy PhD Program, co-advisor, current
 Don Lee, Environmental and Energy Policy Program, PhD – co-advisor, current
 Alexis Pascaris, Environmental and Energy Policy MS Program - advisor, current

Amanda Kreuze, Environmental and Energy Policy Program, MS – co-advisor, Spring 2015 Defense
 Emily Prehoda, Environmental and Energy Policy Program, MS – advisor, October 2016 Defense
 Emily Prehoda, Environmental and Energy Policy Program, PhD – advisor, Spring 2019 Defense
 Karuna Rana, Environmental and Energy Policy MS Program, advisor, Spring 2020 Defense
 Adewale Adesanya, Environmental and Energy Policy PhD Program, advisor, Fall 2020 Defense

Aparajita Banerjee, Environmental and Energy Policy Program, PhD – committee member
 Fall 2015 Defense

Mizan Rahman, Environmental and Energy Policy Program, PhD – committee member
 Fall 2015 Defense

Erin Pischke, Environmental and Energy Policy Program, PhD – committee member
 Spring 2017 Defense

Jennifer Dunn, Environmental and Energy Policy Program, PhD – committee member,
 Spring 2018 Defense

Brent Burns, Environmental and Energy Policy Program, PhD – committee member,
 Spring 2020 Defense

Azat Turegeldin, Environmental and Energy Policy MS Program – committee member,
 Spring 2020 Defense

Bethel Tarekegne, Environmental and Energy Policy PhD Program – committee member,
 Summer 2020 Defense

OUTSIDE COMMITTEES

University of Western Australia. External examiner for PhD thesis. 2016.

Swidburne University of Technology, Australia. External examiner for MS thesis. 2017.

Northeastern University Doctor of Law and Policy program. External dissertation reader. 2017-2018.