

Sharlissa Moore

Education

- 2015 **PhD Human and Social Dimensions of Science and Technology**, *Arizona State University*, Tempe, AZ.
Fields in Science, Technology, and the Environment; Governing Energy Technologies; Technology and the International Political System
- 2005 **Bachelor of Arts**, *Smith College*, Northampton, MA, *Astronomy with Physics Minor*.

Academic Appointments

- 2015-present **Assistant Professor**, *James Madison College and College of Engineering: Michigan State University with tenure pending Provost's approval in spring 2021*, Affiliations: Environmental Science and Public Policy; Institute for Public Policy and Social Research; Muslim Studies Program.
- 2014-2015 **Walton Sustainability Solutions Fellow**, *Arizona State University*, Tempe, AZ.
- 2011-2012 **Consortium for Science, Policy and Outcomes Research Associate**, *Arizona State University*, Tempe, AZ.
- 2009-2011 **Office of Knowledge Enterprise Development, Research Associate**, *Worked directly for Arizona State University's Senior Vice President*, Tempe, AZ.

Previous Teaching Experience

- 2012-2016 **Teaching Associate, Assistant, Sustainable Development Across the Mediterranean**, *Helped lead three trips to Morocco and Spain for 30 students in 2013, 21 in 2014, and 22 in 2015. Participated in 2016 trip as guest faculty. Helped arrange meetings with energy experts, helped students formulate research papers, graded papers*, Arizona State University.
- 2012-2013 **Teaching Associate, Assistant, CEE 181, Sustainable Engineering**, *For Prof Brad Allenby's class: Planned and taught two weekly seminars, met with students, assisted with syllabus development, grade weekly assignments and term papers for 50 students, mentor students. Instructor of record for the course*, Arizona State University, Tempe, AZ.
- 2002-2005 **Astronomy Department, Teaching Assistant**, *Assisted professor with class and lab duties. Answered students' questions regarding lab work. Administered constellation and telescope quizzes. Ran public open house nights.*, Smith College, Northampton, MA.

Policy Experience

- 2010-2018 **Student Pugwash USA, Chair of the Board of Directors,** *Previous positions held include President (9/09-9/15), Interim Executive Director (5/07-8/07), Program Manager (1/07-8/08), and Program Coordinator (1/06-1/07). Helped organize 2017-2018 workshop series on technology and ethics. Directed fund-raising, strategic planning, and student organizing. Managed organization's finances. Managed interns. Developed 2012 and 2008 science and technology policy election guides and contests. Assisted with social networking sites, email list, website, and blog. Planned national and regional conferences.*, Washington, DC; Tempe, AZ.
- 2010 **Science and Technology Policy Institute, Research Intern,** *Selected for competitive summer internship program. Conducted research, wrote policy papers,* Washington, DC.
- 2009 **White House Office of Science and Technology Policy, Student Volunteer, Summer,** *Wrote white paper on proposed energy/ society research program. Assisted with open access journal policy, report releases, and reconstituting the National Science and Technology Council committees,* Washington, DC.
- 2005-2006 **Union of Concerned Scientists, Scientific Integrity Intern,** *Assisted in writing action alerts to 9,000 scientists and 25,000 activists. Assisted in organizing lobby day resulting in new legislative cosponsors. Maintained program web pages. Tracked media coverage.*, Washington, DC.

Publications

- 2021 **Moore, S.,** *Book chapter: From Fuel-Poor to Radiant In Low Carbon Energy in the Middle East and North Africa, Edited by Mills, R., Sim, L., Palgrave Macmillan International Political Economy Series.*
- 2020 **Moore, S., Wigner, A. Leggs, J.,** *Energy360 Energy Systems in Transition. An immersive documentary on Michigan's socio-energy system for public and student education. Screened in three classes in 2020, See introduction at <https://youtu.be/GMkXTGZdP3c>.*
- 2019 **Moore, S.,** *Book monograph: Sustainable Energy Transformations: Morocco and the Mediterranean, London: Routledge.*
- 2019 **Williams, L. and Moore, S.,** *guest editors on a special issue and issue introduction, Conceptualizing justice and counter-expertise., Science as Culture 28, 3, 251-276.*
- 2020 **Sojaei, Miralavi, Ghamami, Moore, Banzhaf, Anctil,** *Investigating Contributory factors to adoption of electric vehicles: Comparison of logistic regression with genetic programming, presented at the Transportation Research Board annual meeting, January 2020.*
- 2018 **Fuller, J. and Moore, S.,** *Pedagogy for the Ethical Dimensions of Energy Transitions from Ethiopia to Appalachia. Case Studies in the Environment, 24, 2017: 21-29.*
- 2017 **Moore, S.,** *Evaluating the Energy Security of Electricity Interdependence: Perspectives from Morocco. Energy Research and Social Science, 24, 2017: 21-29.*

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- 2016 **Parmentier, M.J. and S. Moore.**, *The Camels are Unsustainable: Using Study Abroad as a Pedagogical Tool for Teaching Ethics and Sustainable Development*. *Teaching Ethics*, 16(2):207-221.
- 2016 **Moore, S. and E. Hackett.**, *The construction of technology and place: concentrating solar power conflicts in the United States*. *Energy Research and Social Science*, 11, 67-78.
- 2013 **Moore, S.**, *Envisioning the Social and Political Dynamics of Energy Transitions: Sustainable Energy for the Mediterranean Region*. *Science as Culture*, 22:2, 181-188.
- 2011 **Moore, S. and R. Shangraw.**, *Managing Risk and Uncertainty in Large-Scale University Research Projects*. *Research Management Review*, 18(2).
- 2017 **Moore, S.**, *Book review of Fact and Fiction in Global Energy Policy: 15 Contentious Questions*, *Research Policy Review*.
- 2012 **Moore, S.**, *Book review of Renewable Energy and the Public.*, *Research Policy Review*.

Policy Papers

- 2018 **Moore, S., Anctil, A.**, *Michigan's Energy Future: Expert and public opinion on energy transitions in Michigan*, MAPPR Policy Research Brief.
- 2015 **Schinke, B., J. Terrpon-Pfaff, S. Borbonus, P. Viebahn, T. Fink, B. Brand.**, *Social CSP: Energy and Development: Exploring the local livelihood dimension of the Noor I CSP project in Southern Morocco*, Subcontractor and editor.
- 2011 **Miller, C. Moore, S.**, *Arizona's Energy Future.*, Co-editor and Co-Author of Introduction.
- 2010 **Moore, S.**, *Risk Assessment for Deepwater Oil Spills.*, White Paper written at the Science and Technology Policy Institute for the White House Office of Science and Technology Policy.
- 2009 **Moore, S.**, *A Coordinated Research Program in Human and Social Dimensions of Energy: Current Funding and Future Directions.*, White House Office of Science and Technology Policy.

Works in progress

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| Submitted | Wayne, B., Moore, S. | <i>Radioactive Heroes: Geopolitical, Gendered, and Racialized Nuclear Imaginaries in Superhero films</i> |
| Revising based on reviewer comments | Bhadra, M., Moore, S., Adornetto, T. | <i>Recovering Energy Democracy: Sociotechnical Imaginaries of Energy Democracy in Morocco and Tanzania</i> |
| Drafted | Bhadra, M., Moore, S. | <i>Energy democracy versus empowerment: Racialized, entrepreneurial imaginaries of solar power by social entrepreneurs</i> |

- Drafted **Moore, S., Fluent, E., Graham, I.** *Book Monograph, Mapping global electricity interconnection: Typologies, incentives, and disincentives for integrating electricity across nation-state borders*
- Drafted **Moore, S., Anctil, A., Kamath, D.** *Public opinion and anticipated adoption of second-life, repurposed home battery systems*
- Drafted **Moore, S., Bieler, T., Anctil, A.** *Framing Generation IV Nuclear Power Plants*

Grants

- 2020-21 **NextEra Energy LLC corporate gift**, *Capstone class and research project on the social, policy, economic, and environmental dimensions of utility-scale solar power in Michigan at the agriculture-energy nexus* 40,000.
- 2021 **Submission for Sustainable Regional Systems Center energy transitions, Arizona State University lead institution**, *S. Moore is the site leader for MSU and the co-leader of convergence initiative 1 on comparing US energy transitions.*
- 2018 **Second Life Batteries**, *Ford Motors-MSU Alliance, with PI Annick Anctil* 200,000.
- 2018 **Course development grant on the nuclear age**, *Stanton Foundation, with Robert Brathwaite* 50,000.
- 2019 **Improving scientific and policy literacy through immersive energy systems visualization**, *James Madison College Faculty Development Initiative Grant with Aubrey Wigner and Robert Brathwaite*, 4,887.
- 2018 **Examining the impacts of and improving decision-making processes for off-shore wind development in the US Great Lakes**, *MSU ESPP AgBioResearch Interdisciplinary Team Building Initiative Grant with PI Doug Bessette and collaborators* 8,172.
- 2018 **Arizona State University School for the Future of Innovation and Society Seed Grant**, *Sustainable Apple Farming in Morocco, summer 2018 pilot study with PI Mary Jane Parmentier* 10,000.
- 2017 **Michigan Applied Public Policy Research Award**, *Understanding Public Opinion of Energy Transitions in Michigan with Annick Anctil* 25,000.
- 2017 **Science and Society at State Award**, *with Mehrnaz Ghamami, PI, and Annick Anctil, Societal Perception about On-Road Wireless Charging for Electric Vehicles Considering Mobility and Environmental Impacts* 10,000.
- 2016 **Science and Society at State Award**, *with Tom Bieler and Annick Anctil, Linking Engineering and Science Studies to Support a Transition to Sustainable Energy*, 10,000.
- 2013 **NSF Doctoral Dissertation Improvement Grant**, *for research in Morocco*, 17,999.

Fellowships and honors

- May 2019 **Visual Analytics Certificate**, *Indiana University Cyberinfrastructure for Network Science Center.*
- 2015 **Energy Research and Social Science**, *Top Reviewer Award.*

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- 2014 **ASU College of Liberal Arts and Sciences, Excellence Award.**
- 2011 **ASU Spirit of Service Scholars, Scholarship program and monetary award.**

Selected conference presentations

- September 2019 **Energy democracy and the global south.**, *Society for the Social Studies of Science Annual Conference*, New Orleans, LA.
- May 2019 **Energy democracy as a sociotechnical proto-imaginary: Of what use to the Global South?**, *Energy Research and Social Science Conference*, Tempe, AZ.
- July 2017 **Poster presentation: Energy Security and Energy Justice Issues in Transnational Grids**, *Energy Impacts Conference*, Columbus, Ohio.
- June 2017 **Bringing Energy to Environmental and Sustainability Studies and Sciences.**, *Full-day Workshop, co-facilitator at the American Environmental Science and Studies Association Conference*, Tucson, Arizona.
- April 2017 **Evaluating the Energy Security of Electricity Interdependence: Perspectives from Morocco**, *Energy Research and Social Science Conference*, Sitges, Spain.
- June, 2016 **Beyond Geopolitics A Pedagogy for International Energy Policy**, *Energy Education Workshop*, Washington, DC.
- Nov, 2015 **A Framework for International Energy Justice.**, *Society for the Social Studies of Science conference*, Denver, CO.
- August 2015 **A Framework for International Energy Justice**, *Knowledge from the Margins Conference*, East Lansing, MI.
- August, 2014 **Renewable Energy Development in Morocco: National Pride and Regional Integration**, *Society for the Social Studies of Science conference*, Buenos Aires, Argentina.
- Nov, 2013 **Desertec: Visions for Sustainability Energy in the Mediterranean.**, *STS Perspectives on Energy Conference*, Lisbon, Portugal.
- April 2012 **Desertec: A Sustainable Development Revolution or White Elephants Colonizing the Desert?**, *STGlobal conference.*, Washington, DC.
- Oct 2012 **Visions of a Sustainable Energy System for the Mediterranean Region**, *Society for the Social Studies of Science*, Copenhagen, Denmark.

Selected invited presentations

- October 2019 **Keynote speaker: Visions for Utopian Green Grids in the Mediterranean Region.**, *The Society for Utopian Studies conference*, East Lansing, MI.
- September 2019 **For a Radiant Morocco, Balancing Local and National Sustainable Development Goals for Morocco's Solar Energy Ambitions**, *MSU African Studies Center Speakers Series*, East Lansing, MI.
- September 2019 **Utopia and Dystopia, Imagining the Best and Worst Places to be**, *Sharper Lens Honors College Colloquium Series panel speaker on energy dystopia and solar utopias*, East Lansing, MI.

- September 2019 **Green Energy and Sustainability, Colloquium panel speaker**, *Environmental Science and Public Policy Program*, East Lansing, MI.
- June 2019 **Riding a solar wave: Opportunities for inclusive food-energy-water nexus development in the Atlas Mountains of Morocco, copresented with Dr. Mary Jane Parmentier**, *USAID Global Development Lab Brownbag*, Washington, DC.
- February 2019 **Water, Energy and Development with Dr. Sharlissa Moore**, *MSU United Nations Association*, East Lansing, MI.
- April 2018 **Workshop leader**, *Student Pugwash USA Climate and Energy workshop*, Purdue University.
- April 2017 **Cybersecurity in International Grids**, *James Madison College Student Senate Event on Cybersecurity*, East Lansing, MI.
- March 2017 **Autonomous Vehicles: Liability and Regulation**, *GLITTH Briefing on Autonomous Vehicles: Where Research and Innovation Hit the Road*, East Lansing, MI.
- March 2017 **Sustainable Energy Transformations for Michigan, Keynote Speaker**, *Keep Making Peace Climate Change Conference*, East Lansing, MI.
- February 2017 **Workshop Co-leader**, *Energy Poverty in a Carbon Constrained World*, East Lansing, MI.
- April 2017 **Panelist on Dakota Access Pipeline Panel**, *James Madison College Student Senate Event*, East Lansing, MI.
- February 2016 **Social Science Research on Energy.**, *Guest Speaker in Women in Science and Engineering program at South Dakota School of Mines and Technology*, Rapid City, SD.
- June 2013 **Energy Integration between Morocco and Europe**, *Young Arab Policy Analysts Network meeting*, Rabat, Morocco.
- July 2013 **The Life of a Vision: The Desertec Industrial Initiative.**, *RWTH Aachen University Guest Speaker*, Aachen, Germany.

Service

- 2018-current **Associate Editor**, *Science as Culture*.
- 2018-current **Dissertation committee member**, *Sara Parker, University of Delaware; Deb Mitra, Michigan State University; Laura Castro Diaz, Michigan State University community sustainability*.
- 2020-current **Faculty Senate**, *James Madison College representative*, East Lansing.
- Spring 2018 **Organizing committee**, *Residential college teach-in for intersectional justice*.
- 2010-2018 **Journal of Science, Policy, and Governance.**, *Editorial Board 2010-2012, Governing Board 2012-2018*.
- 2010-2012 **STGlobal Consortium**, *Conference Organizing Committee. Assisted with conference organizing for graduate student science and technology policy conference in Washington, DC. Served as transitional chair between conferences*.

Professional memberships

- Society for the Social Studies of Science
- Michigan Energy Innovation Business Council
- Sigma Xi
- American Association for the Advancement of Science

Languages

French **Advanced**
Arabic **Basic**

in speaking, reading, and writing
Proficient in script and sounds

Courses offered

- International Energy Policy
- Existential Dread and International Decision-making: Climate change and nuclear weapons
- Dilemmas of Science and Technology in Society and Policy: From the Twitterverse to the Universe (2021)
- Nuclear Energy and Policy
- History of the Nuclear Age