MONAMIE BHADRA HAINES

Curriculum Vitae

Nanyang Technological University
School of Social Sciences
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EDUCATION

Ph.D. Human and Social Dimensions of Science and Technology (HSDST), Arizona State University, 2016.
Thesis: *This fissured democracy: Nation-building, civic epistemologies, and nuclear politics in India*
Dissertation Committee: Clark A. Miller (chair); Edward J. Hackett; Ben Hurlbut

B.Sc. (Hons) Geological Sciences, University of Michigan, Ann Arbor, 2005.
B.A. English, University of Michigan, Ann Arbor, 2005.

PROFESSIONAL APPOINTMENTS

2018- Assistant Professor of Global Science and Technology Studies, School of Social Sciences, Nanyang Technological University, Singapore.

2016-2018 American Council of Learned Societies Postdoctoral Fellow in Global Science and Technology Studies, The Ohio State University, Department of Comparative Studies

2008 Visiting Scholar. Gerald R. Ford School of Public Policy. University of Michigan.

PUBLICATIONS

Books

2017 (under solicitation with Oxford University Press) *Democracy in Fission: Dissent and the Nuclear Renaissance in India*.

Peer-Reviewed Academic Articles

2018 (second revision) "Provincializing civic epistemologies: forging credibility economies of nuclear power in India." *Social Studies of Science*

2018 (forthcoming) "Nation-building Civic Epistemologies in India." in *Journal of Responsible Innovation*.

2013 "Fighting Nuclear Power, Fighting for India's Democracy." *Science as Culture.* **22**:2, pp 238-246.

Invited Academic Publications

2012 "White Paper Panel 3: Design for Climate Adaptation at the City Region Scale." For *Changing the Climate: Innovation in the Built Environment for Climate Change Mitigation and Adaptation.* National Science Foundation Workshop, The University of Texas at Austin, September 28-29, 2012.

2011 Book Review: "Science in Democracy: Experts, Institutions, and Representation- by Mark Brown." *Review of Policy Research*. **28**(1). 109-111.

Publications for General Audience

2012 "India's Nuclear Power Problem." *Cairo Review of Global Affairs*. Vol 5. pp. 71-81. https://www.thecairoreview.com/essays/indias-nuclear-power-problem/

"Land-grabbing turns India's nuclear fight into a struggle for democracy." https://www.chinadialogue.net/article/show/single/en/5330--Land-grabbing-turns-India-s-nuclear-fight-into-a-struggle-for-democracy

"Nuclear Energy After Fukushima." *Elections Guide.* Student Pugwash USA

"Longing for an Indian research visa." *Make__*. http://makeblank.com/long-ing/longing-2/

2011 Public Values Mapping User's Guide. Arizona State University.

2010 "Raising Cyber Babies." Consortium for Science, Policy & Outcomes Soapbox. (Available upon request)

2007 "Analysis of Pluto's Redefinition." With Shobita Parthasarathy. Science, Technology, and Public Policy Program.

"An Inconvenient Truth: Reorienting the Discourse of Global Warming from the Scientific and Technical into the Moral and Political." Science, Technology, and Public Policy Program.

In Preparation

Bhadra, M. Tectonic credibility struggles around nuclear power in India in times of shifting civic epistemologies. To be submitted to *Science, Technology and Human Values*

Bhadra, M and K. Hendy (Ohio State University). "The Technoscientific Activism of Citizen bureaucrats."

S. Moore (Michigan State University) and **Bhadra, M**. Renewing sociotechnical imaginaries of renewable energy: A comparison of solar power in Morocco and nuclear power in India.

Bhadra, M. "Disaster scripting in India's Anti-Nuclear Protests."

AWARDS

2018 Alternate for Cornell Society of Humanities postdoctoral fellowship (theme "Authority")

2016 Nicholas C. Mullins Award ($1000) for best graduate student essay at the Society for the Social Studies of Science.

Honored as "Student of the Year" in School of the Future of Innovation in Society, Arizona State University.

2014 College of Liberal Arts and Sciences Academy at the Residential College Service Award, Arizona State University.

2006 Avery and Jule Hopwood Award ($3,500). 1st place in the Undergraduate Essay category at University of Michigan.

GRANTS & FELLOWSHIPS

2016 American Council of Learned Societies Postdoctoral Fellowship

2015 Arizona State University Fellowship

2013 Human and Social Dimensions of Science and Technology Fall Dissertation Completion Fellowship.

2012 American Institute of Indian Studies Junior Research Fellowship. University of Chicago.

2010 Human and Social Dimension of Science and Technology Graduate Fellowship

2009 Graduate Student Enrichment Grant. Arizona State University. September 2009

2007 Department of Political Science Fellowship. Arizona State University.

Competitive Travel Grants

2015 University of California, Santa Barbara ($300)

2014 O.P. Jindal Global University, Haryana, India ($1450)
School of Life Sciences. Arizona State University ($400).
Arizona State University Graduate Education ($350).
Society for the Social Studies of Sciences. ($200)

2013 University of Berkeley ($1400)

2012 Graduate and Professional Student Association. Arizona State University ($450).
Gordon Research Conferences ($900)

PRESENTATIONS

Invited Lectures

"Climate Justice, Nuclear Energy, and Dissent in India." Climate Justice: Conversations Across Barriers and Borders. University of Connecticut. April 20, 2018

"Credibility Struggles in Times of Tectonic Upheaval: Rethinking Civic Epistemologies around Indian Nuclear Power Politics." Research talk. University of Michigan. April 9, 2018

"Democracy in Fission: Dissent and the Nuclear Renaissance in India." Research talk. Wesleyan University. November 17, 2017.

"Democracy in Fission: Dissent and the Nuclear Renaissance in India." Research talk. Nanyang Technological University, Singapore. November 7, 2017

"Indian Democracy in the Age of Anti-Nuclear Activism." Research talk. Michigan State University, March 27, 2017.

"Reconfiguring Indian Democracy through Anti-Nuclear Activism." Research talk. University of Houston. Energy, Sustainability and Development Seminar, March 23, 2016.

"Reconfiguring Indian Democracy through Anti-Nuclear Activism." Research talk. James Madison University, November 9, 2015.

"Anti-nuclear activism and democracy in India." Michigan State University, October 2, 2015.

"Democratic Legitimacy in India's Nuclear Landscape." Rice University, September 10, 2015.

"Indian feminist epistemologies of nuclear power." The Institute of Energy Economics, Japan. Tokyo, Japan, May 18, 2015.

"Trust, Representation and the Politics of Knowledge in India's Anti-Nuclear Protests." Ford School of Public Policy. University of Michigan, Ann Arbor, October 24, 2013.

"Interrogating the Existence of Civic Epistemology in India's Nuclear Energy Debates." Rensselaer Polytechnic Institute, December 3, 2013.

Conference Presentations

"Technopolitical opportunities and Indian anti-nuclear activism." Society for the Social Studies of Science conference. Barcelona, Spain, September 1, 2016.

"Nation-building civic epistemologies around nuclear power in India." Society for the Social Studies of Science conference. Denver, CO, November 12, 2015.

"Democracy for Some: Carving Civic Epistemologies and Publics through the Politics of Nuclear Energy in India." Energy Challenges in the Developing World workshop. University of California, Santa Barbara, February 20, 2015.

"Emerging (Non) Publics around Nuclear Energy in India." Publics, Politics, and Technoscience

in Contemporary Indian Contexts organized by Wiebe E. Bijker and Aalok Khandekar. O.P. Jindal University. Sonepat, Haryana, India, November 18, 2014.

"Restoring Sovereignty: Parliamentary and Scientific Opposition in India to the US-India Nuclear Deal." Society for the Social Studies of Science conference. Buenos Aires, Argentina. August 20, 2014. **(Organized panel)**

"Strategizing Democracy from India's Nuclear Energy Imbroglio." Science and Democracy Network. University of Vienna, July 1, 2014.

"The Challenges of Participatory Politics in India's Nuclear Energy Landscape." Association for Asia Studies Conference, Philadelphia, PA. March 28, 2014.

"Post-colonial Imaginations of Disaster in India's Anti-Nuclear Movement." STS and Energy Conference. Lisbon, Portugal. November 4-5, 2013.

With M.V. Ramana (Princeton University) and Caitlin Stronell ((Jawaharlal Nehru University, Delhi). "The Impact of Fukushima and Chernobyl on India's Anti-Nuclear Movements." Conference on Traveling Norms and the Politics of Contention. Zurich, Switzerland. October 25, 2013.

"Imagined Disasters in India's Anti-Nuclear Movement." Society for the Social Studies of Science and Technology Conference. San Diego. October 9-12, 2013.

"Imagined Disasters in India's Anti-Nuclear Landscape." Asia-Pacific Science, Technology and Society Network conference. National University of Singapore. July 15-17, 2013.

"Disaster Scripting in India's Anti-Nuclear Landscape." Fukushima workshop. Lawrence Berkeley National Laboratory. May 11-14, 2013.

"Reshuffling the Nuke-Box Playlist: Inserting Public Values into India's Nuclear Energy Policies." Gordon Research Conference. Science and Technology Policy in Global Context. Poster Session. Waterville Valley, NH. August 4, 2012.

"Reshuffling the Nuke-Box Playlist: Inserting Public Values into India's Nuclear Energy Policies." Gordon Research Seminar. *The International Context for Science & Technology Policy.* Poster Session. Waterville Valley, NH. August 2, 2012.

"'Have Faith in Us": How Nuclear Energy is Generating Expert-Public Fission in India." Shastri Institute. *Engaging India: The Human and Social Dimensions of Science and Technology*. Calgary, Canada. June 3, 2012.

"The Ethics of Nuclear Energy Development in India." American Society for Engineering Education. San Antonio, TX. June 10, 2012.

"Sub-Nuclear Activism: Struggles over Sociotechnological Order over Nuclear Energy." American Sociological Association conference, *Social Conflict: Multiple Dimensions and Arenas*. Las Vegas, NV. August 22, 2011.

"Sub-Nuclear Activism: Struggles over Sociotechnological Order over Nuclear Energy." STGlobal. Washington DC. April 16, 2011.

"Exploring Knowledge and Democracy in India: Comparing Social Movements around Special Economic Zones (SEZs), Nuclear Power, and Bt Brinjal." Global and Comparative Knowledge Workshop. Arizona State University. Tempe, AZ. April 26, 2010.

Campus lectures

"Reconfiguring Indian Democracy through Anti-Nuclear Activism." The Ohio State University. February 27, 2017.

"This fissured democracy: Ritual and resistance over nuclear energy in India." Mid-dissertation talk. Energy and Society Series. Arizona State University, February 23, 2015.

"Exploring Ideas and Practices of Democracy through India's Anti-Nuclear Movement." EnLIGHTeNING lunch. Arizona State University. April 30, 2014.

"Exploring Indian democracy through India's anti-nuclear protests." Emerging Energy Scholars Symposium. Arizona State University. April 15, 2014.

"Uranium mining and radiation politics in India." Consortium for Science, Policy & Outcomes. JUS 444: Environmental justice. April 15, 2014. Arizona State University.

"Collaboration with Social Scientists on the Tubes in the Desert Project: Results from Citizens' Focus Group." CNS All Hands Meeting, Arizona State University, Tempe, AZ. January 14, 2009.

Nanotechnology, Equity and Equality Workshop, Tempe, AZ. November 20-28. Center for Nanotechnology in Society All-Hands Meeting, Tempe, AZ. May 9, 2008.

Other Conferences and Workshop Participation

Cultures of Energy 2nd Annual Spring Research Symposium. Rice University. Houston TX, April 19 – 21, 2015.

Recalling Democracy: Lineages of the Present Conference. Center for South Asian Studies. University of Michigan, Ann Arbor. September 5-6, 2014.

Searching for the Historical Roots of the March 11th 2011 Disaster in Japan. Arizona State University. April 23-24, 2014.

STEPS Summer School. Politics of Sustainability. Brighton, United Kingdom. May 14-25, 2012.

Science and Democracy Network, London, UK. June 29-July 1, 2010.

Energy Futures, Policy and Society Workshop: Exploring Solar to Fuels, Tempe AZ. February 2, 2010.

Science and Democracy Network, Cambridge, MA. June 29-July 1, 2009.

Society for the Social Studies of Science, Washington D.C. October 28-31, 2009.

Socio-Technical Integration Workshop, Tempe, AZ. January 31, 2009.

Center for Nanotechnology in Society. All-Hands Meeting, Tempe, AZ. May 11, 2009.

Society for the Social Studies of Science, Montreal, QC, Canada. October 10-13, 2007.

TEACHING EXPERIENCE

Mentorship: Supervising honors thesis of Turner Adornetto, "Sociotechnical imaginaries of solar power of the Maasai in Tanzania."

The Ohio State University, sole instructor

Comparative Studies of Science, Technology and Democracy (Spring 2018)
Introduction to Cultures of Technology and Science for engineering students (winter and fall 2017)
Introduction to Cultures of Science and Technology (fall 2016)

Washtenaw Community College, Ann Arbor, MI

Remedial English (fall 2006)
Paragraph writing (fall 2005)
Sophomore college writing (fall/winter 2006; winter 2007)
Argumentative writing (winter 2007)

RESEARCH EXPERIENCE

2015-2016 Research Assistant to Clark Miller. Developing energy policy curriculum for graduate program for National University of Sciences and Technology, Pakistan. Arizona State University.

2012 Summer Intern, The Energy Resources Institute, New Delhi, India.

2010 - 2011 Research Assistant to Daniel Sarewitz. "Public Values Mapping." Consortium for Science, Policy & Outcomes. Arizona State University.

Visiting Graduate Student. Department of Anthropology. Rice University.

2009 - 2010 Sociotechnical Integration Research (STIR) ethnographer. Arizona State University.

2008 Research Assistant. "Discovery-Innovation Institutes." Brookings Institute.

2007 Research Assistant. Ethnographer for "Tubes in the Desert Project." Center for Nanotechnology in Society and the Biodesign Institute. Arizona State University.

2005-2007 Research Assistant to Shobita Parthasarathy. University of Michigan.

TEACHING AREAS

Science, Technology and Democracy; Environmental Social Movements; Environmental Politics of the Global South; Politics and Cultures of Nuclear Power; Postcolonial Social Movements over Science and Technology; Science, Technology and International Development; Science and Technology Policy.

PROFESSIONAL SERVICE

2018 Advisory editor for *Engineering Studies*
Reviewer for *Science, Technology, & Human Values*
Reviewer for *Engineering Studies*
Co-organized interdisciplinary "Questioning Science in Uncertain Times" Workshop at the Ohio State University with Chris Pincock (philosopher of science)
Cultures of Science and Technology Working Group at The Ohio State University

Ethical and Legal Dimensions of Science and Technology Working Group at The Ohio State University

2017 Reviewer for National Science Foundation proposal
Judge and award presenter in the Nicholas C. Mullins awards committee, Society for the Social Studies of Science
Reviewed article for *Science as Culture*

2014 Organized Job Application Workshop for department graduate students.

2013 Mentoring students through the CLAS (College of Liberal Arts and Sciences) Academy, a residential college for high-achieving freshmen.
Reviewed article for *Science, Technology and Human Values*.

2012 Organized "Epistemic Democracy" workshop. Arizona State University

2010 *Nanodays* booth at Tempe Arts Festival to engage public dialog about nanotechnology application.

2009 Editor of CSPO student group (CSpawn), contributed to blog

PROFESSIONAL MEMBERSHIPS

Science and Democracy Network
Society for the Social Studies of Science
Association for Asian Studies

LANGUAGES

English (native)
Bengali (native in speaking; can read and write at grade school level)
French (speaking is conversational)
Hindi (conversational speaking)

REFERENCES

Clark Miller (chair)
Associate Professor in the School for the Future of Innovation in Society
Associate Director of Consortium for Science, Policy & Outcomes
Arizona State University
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Tempe, AZ 85287-5603
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Ben Hurlbut
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