

MONAMIE BHADRA HAINES

Curriculum Vitae

Virginia Tech
Department of Science, Technology, and Society
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EDUCATION

- Ph.D. Human and Social Dimensions of Science and Technology (HSDST), Arizona State University, 2016.
This fissured democracy: Nation-building, civic epistemologies, and nuclear politics in India (committee members: 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

- 2021-Present Tenure Track Assistant Professor of Science and Technology Studies, Technical University of Denmark (Danmarks Tekniske Universitet, DTU)
- 2018-2021 Tenure Track 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

Book

Democratic Reactors: Nuclear Power, Dissent, and Experiments with Credibility in India (solicited by Duke University Press)

Peer-Reviewed Journal Articles and Book Chapters

Haines, MB. (forthcoming). “(Self)-Critical Pedagogy: Teaching STS in Singapore.” *Engaging Science, Technology, and Society*.

Haines, MB and Sharlissa Moore, and Turner Adornetto. (2023). “Suspending Democratic (Dis)belief: Nonliberal Energy Politics of Solar Power to Morocco and Tanzania.” *Energy Research & Social Science*. 96 (102942). <https://doi.org/10.1016/j.erss.2023.102942>

Haines, MB. (2022). “Activism against the Haripur Nuclear Power Plant in West Bengal.” In Editor Ajmal Khan. *People Against Nuclear Energy: Anti-Nuclear Movements in India*. New Delhi: Yoda Press.

Haines, MB. (2020). “(Nation) Building Civic Epistemologies around Nuclear Energy in India.” *Journal of Responsible Innovation*. 7(sup 1): 34-52. <https://doi.org/10.1080/23299460.2020.1771145>

Stevens, Hallam and **Haines, MB**. (2020). “TraceTogether: Pandemic Response, Democracy, and Technology.” *East Asian Science, Technology and Society*. DOI: <https://doi.org/10.1215/18752160-8698301> **as of Jan 6, 2023 the 3rd ‘most read article’ in EASTS of all time**

Haines, MB and Sarkar, Sreela. (2020). “Sticks, Stones and the Secular Bones of Indian Democracy.” *Engaging Science, Technology, and Society*. (6):133-141. DOI: <https://doi.org/10.17351/ests2020.393>

Janelle R Thompson; Nancharaiyah, YV; Gu X; Lee WL; Rajal VB; **Haines MB**; Girones R; Ng LV; Alm, EJ; Wuertz, S. “Making Waves: Wastewater surveillance of SARS-CoV-2 for population-based health management.” (2020). *Water Research* (impact factor 9.13) DOI: <https://doi.org/10.1016/j.watres.2020.116181> **As the team’s sole social scientist, I contributed one of the first sociopolitical analyses of wastewater surveillance. This article was featured in the New York Times with a special focus on my ethical analysis.** <https://www.nytimes.com/2020/11/24/magazine/coronavirusewage.html?referringSource=articleShare>

Haines, MB. (2019). “Contested Credibility Economies of Nuclear Power in India.” *Social Studies of Science*. 49(1):29-51. DOI: <https://doi.org/10.1177/0306312719827114>

Bhadra, M. (2013). “Fighting Nuclear Power, Fighting for India’s Democracy.” *Science as Culture*. 22:2, pp 238-246. DOI: <https://doi.org/10.1080/09505431.2013.786986>

In the Pipeline

Haines, MB and Maja Horst. “Ecology of Citizen Science for Social Justice in Singapore.” To be submitted to *Public Understanding of Science*.

Andersen, Per Dannemand and Monamie Bhadra Haines. “Civic Epistemologies of Anticipation in Thailand and Denmark.”

Haines, MB, Maja Horst and Corinna Voll. “Pandemic Management Strategies in Denmark and Singapore: Troubling the Democracy-Dictatorship Binary.” To be submitted to *East Asian Science, Technology and Society*

Haines, MB and Maja Horst. “Comparative pedagogical civic epistemologies in engineering education in EuroTeQ universities.” To be submitted to *Science, Technology & Human Values*.

Haines, MB and Antti Silvast. “Sociotechnical (Re)Imaginations in STS Energy Research.” To be submitted to *Energy Research and Social Science*.

Book Reviews

Haines, MB. (forthcoming). Book Review: “Ploughshares and Swords: India's Nuclear Program in the Global Cold War” by Jayita Sarkar, Cornell University Press. *Technology and Culture*.

Juno Salzaar Parreñas; Izharuddin A; Haines MB; Zakaria F; & Cribb, R. (2021). “Power, Care and Species Difference in Orangutan Rehabilitation in Sarawak: A Roundtable.” *Journal of the Malaysian Branch of the Royal Asiatic Society* 94(1), 203-215. doi:10.1353/ras.2021.0019.

Haines, MB. (2020). Book Review: “Reinventing Hoodia: Peoples, Plants, and Patents in South Africa-by Laura A. Foster. *Journal of Responsible Innovation*. <https://doi.org/10.1080/23299460.2020.1738025>

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

Public Outreach and Writings for General Audience

“Migration and Surveillance in Singapore.” *This is Migrations: A World on the Move*. A Cornell University podcast with Eleanor Payntor. February 18, 2021, aired in May 2021.

“Episode 6: COVID Knowledge, Technology, and Politics: Dispatches from Around the World.” *Received Wisdom* podcast with Shobita Parthasarathy and Jack Stilgoe. April 20, 2020.

Haines, MB and Stevens, Hallam. (2020). “Governed by Tech: Citizens and the making of the Smart Nation.” *Academia SG*. <https://www.academia.sg/academic-views/governed-by-tech-citizens-and-the-making-of-the-smart-nation/>

Stevens, Hallam and Haines, MB. (2020). “Wearables and privacy.” *Academia SG*. <https://www.academia.sg/academic-views/wearables-and-privacy/> **Winner of Stories of a Pandemic Award for Best Commentary, Majority Trust** <https://sgsoap.sg/recipients/-wearables-and-privacy>

Haines, MB and Stevens, Hallam. (2020). “Does Singapore need mandatory contact tracing apps?” Co-published with *New Mandala: New Perspectives of Southeast Asia* and *Academia SG*. <https://www.newmandala.org/does-singapore-need-mandatory-contact-tracing-apps/>

Haines, MB and Loh Shi-Lin (2020). “Geoengineering responsibility?” *Backchannels Blog for Society for the Social Studies of Science*.

Bhadra, M. (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.

Bhadra, M. (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/>

Bhadra, M. (2012). “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>

Bhadra, M. (2012). “Nuclear Energy After Fukushima.” *Elections Guide*. Student Pugwash USA

Bhadra, M. (2012). “Longing for an Indian research visa.” *Make__*. <http://makeblank.com/long-ing/longing-2/>

Bhadra, M. (2011). *Public Values Mapping User’s Guide*. Arizona State University.

Bhadra, M. (2011). “Raising Cyber Babies.” Consortium for Science, Policy & Outcomes Soapbox. (Available upon request)

Bhadra, M. (2007). “Analysis of Pluto’s Redefinition.” With Shobita Parthasarathy. University of Michigan. Science, Technology, and Public Policy Program.

Bhadra, M. (2007). “An Inconvenient Truth: Reorienting the Discourse of Global Warming from the Scientific and Technical into the Moral and Political.” University of Michigan. Science, Technology, and Public Policy Program.

AWARDS, HONORS & HONORABLE MENTIONS

- 2020 Alternate for Princeton Institute for Advanced Studies fellowship (theme “Science and the State”)
The Stories of a Pandemic (SOAP) Award for Best Commentary, The Majority Trust “Wearables and Privacy” by Hallam Stevens and Monamie Bhadra Haines *AcademiaSG*.
- 2018 Alternate for Cornell Society for the Humanities 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

- 2020 Lead-PI with Co-PIs Laavanya Kathiravelu and Ye Junjia (NTU). Social Science Research Council (SSRC, Brooklyn, NY). Just Tech: Covid-19 Rapid-Response Grant. “Singapore’s surveillance experiments on low-wage migrant worker dormitories: Implications for Singapore and other nations.” (SGD \$11,693/USD \$8,685)
- 2020 Lead-PI with Laurence Delina (Hong Kong University of Science and Technology). ASPIRE-League Partnership Seed Fund 2020. “Fintech-Enabled Solar Power Platforms in Hong Kong and Singapore.” (SGD \$16,425/ USD \$11,780) **returned to SG**
- 2020 Lead-PI with Sujatha Raman of Australian National University (ANU). CLASS Joint NTU-ANU Conference, Symposium and Workshop Scheme. “Social energy entrepreneurship: Livelihoods and the politics of renewable energy futures.” (SGD \$6,100/ USD \$4,408). **returned to SG**
- 2020 Co-PI for NRF-IntraCREATE grant (National Research Foundation - Intra Campus for Research Excellence and Technological Enterprise) for “Sewage-based surveillance for rapid outbreak detection in Singapore.”
- MIT-NTU collaboration.
 - Total grant: USD \$3,588,396.11
 - **As Co-PI, I directed USD \$259,270 for STS work on this project. I still oversee a postdoc but transferred the funds after leaving SG**
- 2020 Lead-PI for the interdisciplinary NTU Institute for Science and Technology for Humanity grant (NISTH) for “Integrating Regulatory and Migrant Perspectives of Sewage Surveillance in Singapore” (SGD \$25,000 / USD \$18,065). Co-Is: Laavanya Kathiravelu (migration studies scholar) and Stefan Wuertz (environmental scientist) **returned to SG**
- 2020 Collaborator with Shobita Parthasarathy (Ford School of Public Policy) on NSF grant, “Comparative Politics of Diagnostic Testing of COVID-19”
- 2018 Start-up grant, “The political implications of green energy entrepreneurship: comparing decentralized solar energy development in India and Bangladesh.” (SGD \$35,000/ USD \$25,290). **returned to SG**
- 2016 American Council of Learned Societies (ACLS)/The Ohio State University Postdoctoral Fellowship

- 2013 Human and Social Dimensions of Science and Technology Fall Dissertation Completion Fellowship.
- 2012 American Institute of Indian Studies (AIIS) Junior Research Fellowship
- 2010 Human and Social Dimension of Science and Technology Graduate Fellowship
- 2009 Graduate Student Enrichment Grant. Arizona State University.
- 2007 Department of Political Science Fellowship. Arizona State University.

Competitive Travel Grants

- 2015 University of California, Santa Barbara (USD \$300)
- 2014 O.P. Jindal Global University, Haryana, India (USD \$1450)
School of Life Sciences. Arizona State University (USD \$400).
Arizona State University Graduate Education (USD \$350).
Society for the Social Studies of Sciences. (USD \$200)
- 2013 University of Berkeley (USD \$1400)
- 2012 Graduate and Professional Student Association. Arizona State University (USD \$450).
Gordon Research Conferences (USD \$900)

PRESENTATIONS

Invited Lectures

Princeton University. “Prospects for South Asian Nuclearism, Disarmament, and Peace Politics.” Organised by Itty Abraham, M.V. Ramana and Zia Mian. May 17, 2023.

Center for Human Rights and Global Justice. New York University School of Law. “Surveillance of the Poor in Singapore: Poverty in the ‘Smart City.’ February 23, 2022.

Ethics of Socially Disruptive Technologies. Intercultural Ethics and Technology. University of Twente. “Technodemocratic Imaginaries of Solar Power in Morocco and Tanzania.” January 28, 2022.

Emerging Challenges for Cities in Southeast Asia: Pandemics and Surveillance. Singapore Management University x National Library Board series. November 11, 2021.

Social Studies of Science 50th anniversary symposium. Society for the Social Studies of Science. Toronto. October 6, 2021.

“Visual political economies of pity in the uranium mines of Jadugoda, Jharkhand.” Symposium: Envisioning Next Generation Radiation Governance. The Japan Society for the Promotion of Science (JSPS) San Francisco, UCLA Terasaki Center for Japanese Studies, University of California Irvine Department of Anthropology and the Disaster-STS Research Network. March 30, 2021.

“Speculating the SMART Nation.” CAIDG Webinar Showcase Series Session 1 (19 Feb) - Tracing community disquiet in the age of Covid-19. Nanyang Technological University. February 19, 2021.

“Gandhian Morality and The Art of Anti-Nuclear Resistance in India.” STS Theory and the Politics of Energy symposium. Arizona State University. November 30, 2020.

“TraceTogether: Pandemic Response, Democracy and Technology.” With Hallam Stevens. International Symposium: A Webinar. Responses of Local Communities to Covid19: Exploring Issues of Trust in the Context of Risk and Fear. University of Paris and Nanyang Technological University,

Singapore. December 1-2, 2020

“Surveillance of Migrant Dormitories in Singapore.” Research talk. SciencesPo organised an undergrad course on sociological analysis on COVID-19 featuring Sheila Jasanoff, Stephen Hilgartner, Bruno Latour. November 2, 2020.

“Tracing” with Hallam Stevens. Research talk on contact tracing in Singapore. SciencesPo. Oct. 19, 2020.

“Exporting Technodemocratic Imaginaries of Solar Energy to ‘Africa’.” Research talk. Yale-NUS Global Affairs symposium. (originally February 2019, but postponed indefinitely because of COVID-19)

“Gandhimentality: The Politics of Credibility in Indian Anti-Nuclear Activism.” Research talk. Future Cities Laboratory. Singapore-ETH Centre. November 27, 2019.

“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.

Invitations to Fully-Funded Workshops

“STEM and women in Singapore.” With Kelly Merie Portscher. National Science Foundation funded international symposium: “Public Awareness of STEM & Advancing the Role of Women in STEM.” Bangkok, Thailand. (originally May 25-28, 2020, but postponed to October 25-28, 2020 because of COVID-19).

Post-Carbon Institute. Denmark. “The Great Unraveling? Understanding and Responding to Destabilization in the Age of Environmental Breakdown.” Denmark, August 21-24, 2020.

Oregon State Downwinders Project. “75 Years after Hiroshima and Nagasaki: Science and the Contested Histories of Radiation Exposure.” Corvallis, Oregon, USA. August 5-7, 2020.

The Hong Kong University of Science and Technology, Boston University, and the Solar Radiation Management Governance Initiative (SRMGI). “Towards an interdisciplinary knowledge community on the critical understanding of emergent climate system intervention technologies in Southeast Asia”. Bali, Indonesia. November 8-9, 2019

Conference Presentations

“Producing Gandhian Defendants for Indian Anti-Nuclear Dissent.” Society for the Social Studies of Science. Cholula, Mexico. December 9, 2022.

“The edges of public trust in pandemic management strategies in Singapore and Denmark.” with Maja Horst and Corinna Voll. SECAT 2022: Scientific Expertise, Communication and Trust. September 27, 2022.

“Pedagogical civic epistemologies of EuroTeQ universities.” BOOST workshop. Czech Technical University. September 26, 2022.

“Suspending Democratic (Dis)belief: Beyond Energy Democracy in the Global South.” European Association for the Study of Science & Technology. Madrid, Spain. July 8, 2022.

“Suspending Democratic (Dis)belief: Technodemocratic Imaginaries of Solar Power in Morocco and Tanzania.” June 3, 2022. Danish Association for Science and Technology Studies. Aarhus University.

“Suspending Democratic (Dis)Belief: Technodemocratic Imaginaries of Solar Power in Morocco and Tanzania.” Intercultural Ethics of Technology Conference. Ethics of Socially Disruptive Technologies Research Consortium. January 27, 2022.

“Chinese privilege: Teaching race and technology in Singapore.” Society for the Social Studies of Science conference. August 22, 2020

“Gandhimentality: The art of anti-nuclear resistance in India.” Society for the Social Studies of Science conference. New Orleans, USA, September 4, 2019.

“Citizen bureaucraft” with Katie Hendy (University of Michigan, Ann Arbor), 4 September, 2019. Society for the Social Studies of Science (4S). New Orleans, Louisiana, USA. **(Organized panel)**

“Exporting Energy Democracy? Comparing Sociotechnical Imaginaries of Electricity in India and Morocco.” Co-written presented by Sharlissa Moore. Society for the Social Studies of Science conference. New Orleans, USA, September 6, 2019.

“Energy democracy as a sociotechnical proto-imaginary.” Science and Democracy Network. Cambridge, MA. August 31, 2019.

“Developmental (de)formities: Grassroots energy tourism and political economies of pity in India. Society for the Social Studies of Science conference. Sydney, Australia, September 1, 2018.

“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. Sonapat, 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 Imbroglia.” 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

DTU research seminar. Democratic Reactors: Experimentations in Credibility and Dissent in Anti-Nuclear Activism in India.

Discussant, *Representing Islam: Hip Hop of the September 11th Generation* by Kamal Mohamad Nasir. Nanyang Technological University, 1 April 2021

Guest lecturer, Environmental Politics class, Instructor: Natasha Bhatia, Asia School of the Environment, 11 April 2019

“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. Arizona State University. April 15, 2014.

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

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

Other Conferences and Workshop Participation

- 2019 Does Invisible Privilege Travel? Looking Beyond the Geographies of White Privilege. 2-3 May, National University Singapore
Panelist for Imperial Aftermaths Symposium, NTU, 21 February
Discussant for Infrastructures of Inequality Symposium, “Trajectories and Technologies of Encapsulation”, 25-26 January
Chair for Unpacking Industry 4.0: The Limits of Digitalizing Everything, Panel “Industry 4.0 Across contexts.”, 8 January
- 2018 Session Chair. “The Evolving Landscape of Politics and Society.” Global Asia Research Cluster, NTU. November 16th

- Session Chair. College of Liberal Arts and Social Sciences- NTU Institute of Science and Technology for the Humanities (CLASS-NISTH) distinguished public lecture. Helga Nowotny. “What’s in the AI/MI pipeline and what does it mean for society.” November 22
- 2015 Cultures of Energy 2nd Annual Spring Research Symposium. Rice University. Houston TX, April 19-21
- 2014 Recalling Democracy: Lineages of the Present Conference. Center for South Asian Studies. University of Michigan, Ann Arbor. September 5-6
- Searching for the Historical Roots of the March 11th 2011 Disaster in Japan. Arizona State University. April 23-24
- 2012 STEPS Summer School. Politics of Sustainability. Brighton, United Kingdom. May 14-25
- 2010 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, 2009
- Science and Democracy Network, Cambridge, MA. June 29-July 1
- Society for the Social Studies of Science, Washington D.C. October 28-31
- Socio-Technical Integration Workshop, Tempe, AZ. January 31
- Center for Nanotechnology in Society. All-Hands Meeting, Tempe, AZ. May 11
- 2007 Society for the Social Studies of Science, Montreal, QC, Canada. October 10-13, 2007.

SUPERVISION & TEACHING EXPERIENCE

Postdoctoral Fellow

Dhiraj Nainani, MIT-NTU collaboration, History and Politics of Wastewater Surveillance

PhD Students:

Amanda Mogensen, co-supervisor with Maja Horst, DTU, “Towards Low-Carbon Societies: Financing, Valuating, and Imagining the Future through the Danish Pension Sector.”

Gro Thorbjørn Berg Sørensen, co-supervisor with Maja Horst, DTU, “Navigating Cultural Difference in Responsible Innovation within AI.”

Ang Ming Wei (fully funded Interdisciplinary Graduate Program fellow; topic: monogamy, gender and sexuality in Singapore) **transferred to another supervisor upon leaving SG**

Phoebe Tay (fully funded Interdisciplinary Graduate Program fellow; topic: Deaf cultures in Singapore) **transferred to another supervisor upon leaving SG**

Masters Students:

Jacob Valdemar Juel Ammitsøe, co-supervisor with Clare Shelley-Egan. (Design and Innovation). “Social Implications Design and Design Education.”

Undergraduate Honors Students

- Johan Lindbjerg Skovbæk and Ebbe Abildgaard Bliksted (Design and Innovation Studies). “Social Implications Design: Biodiversity in Copenhagen Gray Spaces.” (2023)
- Kelly Merie Portscher (Sociology), “Foreign domestic workers (FDWs) and the informal waste economy” (2019-2020); “Surveillance of Migrant Dormitories in Singapore” (2020-2021). She won the Lee Kuan Yew Gold Medal for graduating at the top of her class in sociology at Nanyang Technological University. She also won the Mr and Mrs Kwok Chin Yan Sociology Research Book Prize for having the best final year project on the surveillance of migrant workers in Singapore, which I co-supervised.

- Turner Adornetto (Computer Engineering) “Sociotechnical imaginaries of solar power of the Maasai in Tanzania.” (2018-2019). Graduated with Honors in Comparative Studies and Engineering from The Ohio State in May 2019. Helped him publish “Notes and Reflections from an ‘Energy Safari’ on *Backchannels* for the Society for Social Studies of Science. He recently presented his documentary and his research in the Making and Doing, and STS in Africa panel at 4S, respectively .
http://www.4sonline.org/blog/post/notes_and_reflections_from_an_energy_safari. He is now at MIT HASTS program.
- Sikand Sanat (Economics), “Regulating Blockchain in Singapore” (2020-2021)
- Jessica Yi Jia Bao (English Literature), “Energy Democracy Imaginaries in Singapore” (2020-2021)
- Shantini Rajasingam (Sociology), “Black Lives Matter in Singapore” (2020-2021)
- David Chong (Public Policy), “Deliberating Technology in Singapore” (2020-2021)

Other Mentorship

- As part of the Science, Technology Prototyping, Policy, Practice (STP3) workshop, I mentored six students from ETH-Zurich, TU-Munich, NTU and Singapore University of Technology and Design. Over a span of one week, my team created a participatory process for co-designing sustainability features at the Grandstand mall in Singapore through ethnographic approaches and interviews. Singapore’s Urban Redevelopment Authority deemed the project to be “excellent” and took our data back to planning authorities that are currently debating they should demolish the area and building housing flats.
- Helped Sociology undergraduate in my class, Belicia Teo, publish an Op-Ed she wrote for my Terraformations class, in Singapore’s alternative media publishing outlet, Rice Media, called, “Singapore’s Love for Otters Reveals Its Double-Standards towards Wildlife in the City.”
<https://www.ricemedia.co/current-affairs-commentary-singapore-otters-double-standards-wildlife/?fbclid=IwAR3Qx9qtDmDARWsedI1c2jDQGmn8hIR1q1oKrK3NLaobByinscrefg6qo4>
- Research Assistants Aun Kun Le Jovita; Kelly Merie Portscher

Undergraduate final year projects

Yu Jing, Bridget Tan, Eudy Leong, Si Rong Ong, Ashley Gomez, Sim Zu Hui Gideon, Yu Han, Han Jing, Wei Xin, Natalie Ho, Veronica Chan, Tan Siew Keen,

Graduate Courses Taught

Technical University of Denmark

- STS Theory of Energy and Society (will teach May 22-26, 2023)

Nanyang Technological University

- Contemporary Social Theory (Semester 1: 2019, 2020)

Undergraduate Courses Taught

Technical University of Denmark

- Theory of Science in Engineering (mandatory 3-week course, 3 times a year)
- Design Thinking and Sociotechnical Systems (13-week course, once a year)

Nanyang Technological University

- Gender, Race and Technology (Semester 2: 2021)
- Contemporary Social Theory (Semester 1: 2018, 2019, 2020)
- Terraformations: Technology, Culture and Nature in a Globalizing World (Semester 2: 2019, 2020)

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 (Spring and Fall 2017)
- Introduction to Cultures of Science and Technology (Fall 2016)

Washtenaw Community College, Ann Arbor, MI

- Sophomore college writing (Fall/Winter 2006; Winter 2007)
- Argumentative writing (Winter 2007)
- Remedial English (Fall 2006)
- Paragraph writing (Fall 2005)

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.

OTHER RESEARCH EXPERIENCE

- 2015-2016 Research Assistant to Clark Miller. Developed 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.
- 2009 - 2010 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.

PROFESSIONAL SERVICE (academic community, university and department-level)

- 2022 Reviewer for *Energy Research & Social Science*, *Science as Culture*, MIT Press
Program Committee member for Society for the Social Studies of Science (4S)
- 2021 Reviewer for *Energy Research & Social Science*
Division of Responsible Innovation and Design seminar organizer (**ongoing**)
- 2020 Organized the intra-college First Book Club between School of Humanities and the
School of Social Sciences to workshop book chapters of junior faculty
Associate Editor, *Engineering Studies* (ended 2023)
Book Review Editor, *Journal of Responsible Innovation* (ended 2023)
Associate Editor, *Frontiers Political Science*
Reviewer for *East Asian Science, Technology and Society*
Reviewer for *Engaging Science, Technology and Society*
Reviewer for *Energy Research & Social Science*
Reviewed book proposal for Routledge
Science, Technology, Public Policy and Prototyping summer school (consortium)

- of NTU, SUTD, NUS, MIT, Cambridge, ETH-Zurich
 Organized Gender and Academia symposium (with keynote speakers Prof Deboleena Roy at Emory University, and Vineeta Sinha at National University of Singapore for March 31, 2020, now postponed indefinitely because of COVID-19)
- 2019 Co-organized “Interrogating Innovation” workshop with Hallam Stevens at NTU. Science, Technology, Public Policy and Prototyping summer school (consortium of NTU, SUTD, NUS, MIT, Cambridge, ETH-Zurich)
 Initiated and organized Sociology Brownbag Seminar series for graduate students and faculty, NTU
 Program Committee member for Society for the Social Studies of Science (4S)
 Program Committee member for The 2nd International Conference on Global, Science, Technology, and Society [Global STS 2.0] in Makassar, Indonesia
 Reviewer for U.S. National Science Foundation
 Reviewer for *East Asian Science, Technology and Society*
 Reviewer for *History of Science*
 Reviewer for *Science, Technology, & Human Values*
 Conducted interviews for scholarship applicants
 Sociology Management Committee
 Judge for CoHASS graduate conference, Panel: “The Moving Image in the Digital World” 9 March 2019
- 2018 NTU Open House for Sociology, March 2, 2019
 STS Research Cluster Lead, Nanyang Technological University (organized talks by Dr. Christine Y.L. Luk [University of Hong Kong]; Associate Professor Kohta Juraku [Tokyo Denki University of Japan]; Professor Roopali Phadke, Macalester College.)
 Seminar committee, Sociology, NTU
 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
 Judge and award presenter in the Nicholas C. Mullins awards committee, Society for the Social Studies of Science
 Reviewer 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

European Association for the Study of Science and Technology; Danish Association for Science and Technology Studies; Society for the Social Studies of Science; TransAsia STS

LANGUAGES

English (native)
Bengali (native in speaking; can read and write at middle school level)
French (speaking is conversational; can read and write at secondary school level)
Hindi (can make myself be understood)
Danish (slowly learning)

REFERENCES

Clark Miller (chair)

Associate Professor in the School for the Future of Innovation in Society
Associate Director of Consortium for Science, Policy & Outcomes
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