

Program on Science, Technology & Society

Harvard Kennedy School **Fall 2018** Harvard University

WELCOME FROM THE DIRECTOR

Dear Friends of STS,

This was yet another busy and productive year for the Program on Science, Technology and Society at Harvard. One of our most exciting developments is the news that the multinational Transformations to Sustainability (T2S) research program funded our multi-year, collaborative project, Governance of Sociotechnical Transformations (GoST). This project, a collaboration between Harvard, UFZ-Leipzig, and the University of Sussex, focuses on transformations in three areas of crucial relevance to sustainable development: energy systems, agriculture, and urban digital infrastructures. The project will continue to grow important linkages among the three lead institutions, as well project partners in India and Kenya.

I am also pleased to report that this year the first student enrolled in the Science, Technology and Policy Studies (STePS) special field in the Public Policy Ph.D. program (PPOL). The program provides doctoral-level research and training on the increasingly urgent issues of policy and governance raised by science and technology in society. The program marks an important step forward in raising the profile of STS at Harvard in general and at the Kennedy School in particular. I hope you will encourage prospective students to consider the program as they apply to doctoral programs. Our Graduate Secondary Field in STS also continues to enroll students from across the university, preparing them for tenure-track academic positions or promising careers in science policy, science communication, and consulting. You can read more about the experiences of our students, in their own words, at <http://sts.hks.harvard.edu/graduate-fields/field/experience/>.

Our friends at the Institute for Global Law and Policy at Harvard Law School (IGLP), the Harvard University Center for the Environment (HUCE), the Weatherhead Center for International Affairs (WCFIA), and the School of Engineering and Applied Sciences (SEAS) helped to ensure the success of our events and activities over the past year. Last April, for example, two of the STS Program's visiting research fellows, Jens Marquardt and Kamilla Karhunmaa, organized "Climate Science in a Time of Political Disruption," held at HUCE. The event featured a panel of prominent environmental scholars at Harvard as well as a keynote by Gina McCarthy, former head of the Environmental Protection Agency. In Fall 2017, visiting research fellow James Parker (Melbourne Law School), organized a workshop on Acoustic Justice in collaboration with IGLP.

This past academic year also featured two high-profile events in our Science and Democracy lecture series: a lecture on India's environmental challenges by renowned activist and policy entrepreneur Sunita Narain, and one on open society's enemies by Michael Ignatieff, President of Central European University (CEU). Ignatieff's talk was poignantly timed in view of the recent expulsion of the CEU from Budapest. The STS Circle, jointly funded by the Graduate School of Arts and Sciences and WCFIA, continues to serve as the premier forum in Cambridge for showcasing STS-related work by young scholars, experienced researchers, and interesting visitors.

STS research at Harvard continues to flourish. Our National Science Foundation project, "Traveling Imaginaries of Innovation: The Practice Turn and Its Transnational Implementation," remains a focal point for work on case studies analyzing the ways in which the Silicon Valley model of innovation is affecting cities around the world. The 17th Annual Science and Democracy Network Meeting, held in Munich, June 27-30, 2018 and organized with Sebastian Pfotenhauer and others at TU-Munich, featured a day-long session devoted to mentoring junior scholars, a panel on knowledge in the public sphere in the 21st century, and a roundtable on engaging STS in policy settings.

As always, I'm delighted to share the career milestones, publications, and research projects of current and former STS Fellows, who themselves demonstrate the power and visibility of this community of dedicated young scholars. You will find more details on their accomplishments below.

With best wishes for the new year and gratitude for your continued interest and support,

Shula

UPCOMING EVENTS AND DEADLINES

January 31, 2019

Deadline for non-stipendiary
fellowship applications

August 28-31, 2019

18th Science and Democracy
Network Annual Meeting at
Harvard University

December 1, annually

Deadline for applications
to the Ph.D. in Public Policy
with a special field in Science,
Technology and Policy Studies at
the Harvard Kennedy School.

Find out more online

<http://sts.hks.harvard.edu>

<http://twitter.com/HarvardSTS>

<http://facebook.com/HarvardSTS>



PROGRAM ON SCIENCE,
TECHNOLOGY & SOCIETY

Science and Democracy Lectures

These lectures were co-sponsored by the Harvard University Center for the Environment, the Weatherhead Center for International Affairs, and the School of Engineering and Applied Sciences.

Michael Ignatieff

March 20, 2018

Michael Ignatieff, President of the Central European University, discussed modern-day threats to the ideal of an open society, proposing that the university should serve as a constitutional institution, integral to the healthy functioning of a democracy. He argued that authoritarian states are co-dependent on other open societies within a globalized world. For Ignatieff, the animosity toward open borders and knowledge elites is exacerbated by the public sphere's fragmentation in this increasingly digitalized age. The solution, he suggested, is to re-situate the university as a counter-majoritarian institution, one that fights for a common ground for arbitrating truth and knowledge. A panel of distinguished Harvard faculty, including **Rakesh Khurana**, Danoff Dean of Harvard College and Marvin Bower Professor of Leadership Development, **Julie A. Reuben**, Charles Warren Professor of the History of American Education, and **James T. Kloppenberg**, Charles Warren Professor of American History, discussed the evolving mission of Harvard College, the history of access in American higher education, and the history of populism and nativism in America.

A video of the lecture is available [here](#).



SCIENCE & DEMOCRACY LECTURE SERIES 2018
Program on Science, Technology & Society
MICHAEL IGNATIEFF
President, Central European University, Budapest



OPEN SOCIETY'S NEW ENEMIES
and the ASSAULT ON TRUTH

WITH PANELISTS
Rakesh Khurana
Danoff Dean of Harvard College, Marvin Bower Professor of Leadership Development, Harvard Business School
James T. Kloppenberg
Charles Warren Professor of American History, Harvard University
Julie A. Reuben
Charles Warren Professor of the History of American Education, Harvard Graduate School of Education
MODERATED BY
Sheila Jasanoff
Professor, Harvard School of Engineering and Applied Sciences, Harvard Kennedy School

TUESDAY
March 20, 2018
5:00-7:00pm
Science Center
Lecture Hall D
1 Oxford Street
Harvard University

CO-SPONSORED BY
Harvard University Center for the Environment
Weatherhead Center for International Affairs
School of Engineering and Applied Sciences
Program on Science, Technology & Society
HARVARD KENNEDY SCHOOL
HARVARD UNIVERSITY

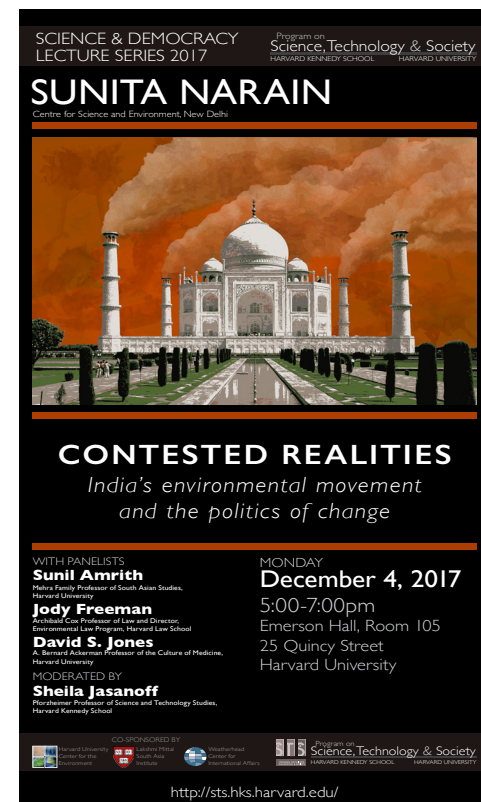
<http://sts.hks.harvard.edu/>

Sunita Narain


December 4, 2017

Sunita Narain, Director-General of the Centre for Science and Environment in New Delhi, delivered a rousing call to action about the need for “leapfrog” solutions in India that are inclusive, affordable, and sustainable. She argued that India does not have the latitude to use the incremental environmental management practices that have pervaded the global north. Narain asked how we can empower the poor to say, “Not in my backyard,” suggesting the potential that exists within India’s informal economic and political spaces for reworking paradigms of environmental management. She pointed to opportunities in areas like air pollution, where intricate conflicts of interest threaten solutions but where contiguous air sheds also turn air pollution into a great leveler, affecting people of all classes. Following Narain’s lecture, Harvard professors **Sunil Amrith**, Mehra Family Professor of South Asian Studies, **Jody Freeman**, Archibald Cox Professor of Law and Director of the Environmental Law Program at Harvard Law School, and **David S. Jones**, A. Bernard Ackerman Professor of the Culture of Medicine, shared their perspectives on the role of colonial history in fostering political activism, the importance of regulatory and governance structures, and the history of air pollution and its control.

A video of the lecture is available [here](#).



SCIENCE & DEMOCRACY LECTURE SERIES 2017
Program on Science, Technology & Society
SUNITA NARAIN
Centre for Science and Environment, New Delhi



CONTESTED REALITIES
India's environmental movement
and the politics of change

WITH PANELISTS
Sunil Amrith
Mehra Family Professor of South Asian Studies, Harvard University
Jody Freeman
Archibald Cox Professor of Law and Director, Environmental Law Program, Harvard Law School
David S. Jones
A. Bernard Ackerman Professor of the Culture of Medicine, Harvard University
MODERATED BY
Sheila Jasanoff
Professor, Harvard School of Engineering and Applied Sciences, Harvard Kennedy School

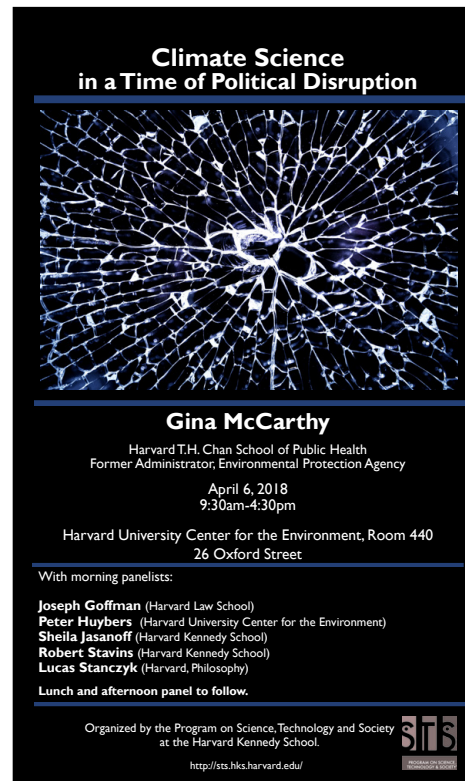
MONDAY
December 4, 2017
5:00-7:00pm
Emerson Hall, Room 105
25 Quincy Street
Harvard University

CO-SPONSORED BY
Harvard University Center for the Environment
Weatherhead Center for International Affairs
School of Engineering and Applied Sciences
Program on Science, Technology & Society
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Workshops and Initiatives

Climate Science in a Time of Political Disruption



Climate Science
in a Time of Political Disruption



Gina McCarthy
Harvard T.H. Chan School of Public Health
Former Administrator, Environmental Protection Agency

April 6, 2018
9:30am-4:30pm
Harvard University Center for the Environment, Room 440
26 Oxford Street

With morning panelists:
Joseph Goffman (Harvard Law School)
Peter Huybers (Harvard University Center for the Environment)
Sheila Jasanoff (Harvard Kennedy School)
Robert Stavins (Harvard Kennedy School)
Lucas Stanczyk (Harvard, Philosophy)
Lunch and afternoon panel to follow.

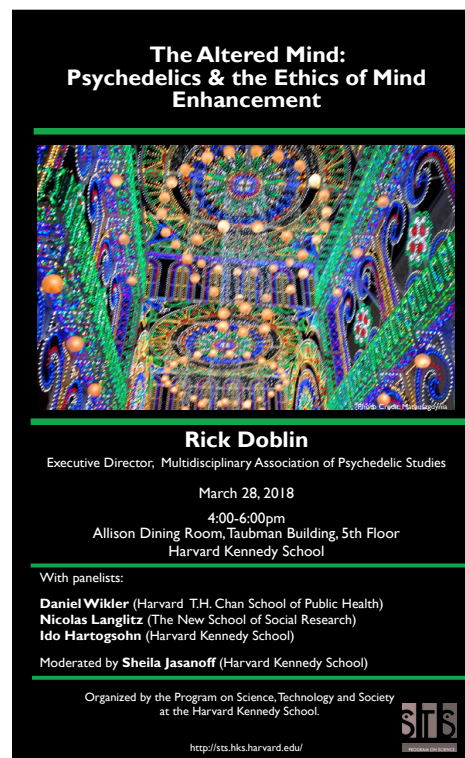
Organized by the Program on Science, Technology and Society at the Harvard Kennedy School.

<http://sts.hks.harvard.edu/>

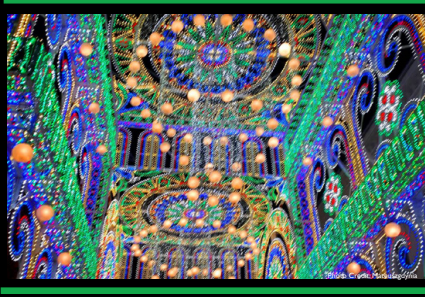
This workshop, held April 6, 2018, at the Harvard University Center for the Environment, pulled together academics from different disciplinary backgrounds to encourage an inclusive and critical discussion on the outlook for climate science in the current political environment. Organized by STS Fellows **Kamilla Karhunmaa** and **Jens Marquardt**, the workshop opened with a keynote by **Gina McCarthy** (Harvard School of Public Health and Former Administrator, Environmental Protection Agency). A panel featuring **Joseph Goffman** (Harvard Law School), **Peter Huybers** (Harvard University Center for the Environment), **Sheila Jasanoff** and **Robert Stavins** (Harvard Kennedy School) discussed current challenges in climate science and politics; **Lucas Stanczyk** (Harvard, Philosophy) offered a response. An afternoon panel drawing junior researchers from fields as diverse as urban planning, geo-engineering, political psychology, and policy implementation reflected on how the contested nature of climate science affects research across these fields.

Video of the opening keynote and morning panel is available [here](#). You can find **Jens** and **Kamilla's** interview with **Gina McCarthy** [here](#).

The Altered Mind: Psychedelics and the Ethics of Mind Enhancement



The Altered Mind:
Psychedelics & the Ethics of Mind Enhancement



Rick Doblin
Executive Director, Multidisciplinary Association of Psychedelic Studies

March 28, 2018
4:00-6:00pm
Allison Dining Room, Taubman Building, 5th Floor
Harvard Kennedy School

With panelists:
Daniel Wikler (Harvard T.H. Chan School of Public Health)
Nicolas Langlitz (The New School of Social Research)
Ido Hartogsohn (Harvard Kennedy School)
Moderated by **Sheila Jasanoff** (Harvard Kennedy School)

Organized by the Program on Science, Technology and Society at the Harvard Kennedy School.

<http://sts.hks.harvard.edu/>

This event, conceived in part by STS Fellow **Ido Hartogsohn**, featured a presentation by **Rick Doblin** (Multidisciplinary Association of Psychedelic Studies) on the “renaissance” of psychedelic research and the ethical challenges of psychochemical interventions. Panelists **Daniel Wikler** (Harvard School of Public Health), **Nicolas Langlitz** (The New School for Social Research), and **Ido Hartogsohn** (Harvard STS) provided commentary. Ido’s book manuscript *American Trip: How Set and Setting Shaped the American Psychedelic Experience* is under contract with MIT Press. Both Ido and Rick Doblin contributed chapters to the collection *Breaking Convention: Psychedelic Pharmacology for the 21st Century* edited by Ben Sessa for Strange Attractor Press (2017).

Video is available [here](#).

Workshops and Initiatives

Acoustic Justice

Organized by STS Fellow **James Parker** and co-sponsored by the Institute for International Law and the Humanities at Melbourne Law School and by the Institute for Global Law and Policy at Harvard Law School, this workshop explored juridical dimensions of sound and listening and the acoustic dimensions of law and justice. In addition to presenting participants from a diverse range of disciplines – law, music, classics, sound studies, and STS. **Veit Erlmann** (Endowed Chair of Music History at the University of Texas at Austin) gave a keynote talk entitled “Circulating Evidence: Crime, Copyright and Sound Recordings.”

Politics of Science and Technology in Climate-Changed Worlds

Conceived in part by STS Fellow **Gregg Macey**, this workshop featured our fall Science and Democracy speaker **Sunita Narain** in an interfaculty conversation with **Sheila Jasanoff** (HKS), **Janelle Knox-Hayes** (MIT), **Adil Najam** (Boston University), and **Noelle Selin** (MIT). The workshop discussed Narain’s concerns about how politics of science and technology limit our ability to adopt sustainable technologies that create “institutions of people,” plan and design infrastructures and other systems of “humility,” and make policy decisions that are inclusive of local and indigenous knowledge.

A summary of the conversation is available [here](#).

Disenchantment’s Enchantments: A Century of Science as a Vocation

On November 16-17, 2017, the STS Program hosted a workshop organized by former STS Fellow **J. Benjamin Hurlbut** of Arizona State University. Occurring a century after Max Weber introduced the word “disenchantment” into the vocabulary of Western thought, the workshop reflected on the status, forms, and social meanings of Weber’s concept. It focused specifically on the status of science and technology in public life and attended to the relationship between disenchantment, secularization and the cultural authority of scientific knowledge. It began with a provocation: Has Weber’s question whether a “devotion to progress can become a meaningful vocation” been displaced by the presumption that progress requires and inevitably follows from disenchanted science? Local speakers included **Sheila Jasanoff**, **Andrew Jewett** of Boston College, and **David Kennedy** of Harvard Law School.

The Spacetime of Dreams

Co-sponsored by the Center for the Study of World Religions at the Harvard Divinity School, this talk featured **Christopher White** (Vassar College) examining the higher-dimensional time theories of the British aviator and writer, John Dunne, whose widely-read *Experiment with Time* (1927) offered anecdotal evidence that dreams and other visionary experiences allowed people to perceive events from the future.

Video is available [here](#).



Science and Democracy Network



Photo: 2018 SDN Meeting
Credit: Clark Miller

The 17th Annual Meeting of the Science and Democracy Network was held under the auspices of the Technical University of Munich’s School of Management and the Munich Center for Technology in Society. This year’s meeting included pre-circulated papers on a wide range of topics, for example: energy

policies in Germany, France, and the UK; science and environment in Chile; the IPCC and negative emissions technologies; the development of 1970s US electronic funds transfer systems; access to drugs for rare diseases in the UK; pro vaccine activism in the UK and Australia; and rural electrification and American development. The meeting also featured a public panel on “How Do Democracies Know? Knowledge in the Public Sphere in the 21st Century.” A distinguished cast of international speakers included **Roland Fischer** (Vice President, German Research Foundation DFG), **Maarten Hajer** (Utrecht University/UNEP International Resource Panel), **Sheila Jasanoff** (Harvard University), and **Richard Rottenburg** (University Halle-Wittenberg, Wits University Johannesburg). Additional perspectives on policy practice were presented in a roundtable on “Building Norms and Institutions Responsibly: Engaging STS in Policy Settings.” Following the Annual Meeting, SDN’s senior and junior Council members held a two-day retreat at the nearby town of Herrsching to discuss how to disseminate the network’s ideas more broadly and with greater impact. It was a stimulating and convivial meeting, generating much food for thought and action as SDN continues to grow and develop.

Director’s News



Photo: Sheila Jasanoff with Leïge University Rector Albert Corhay. Credit: Michel Houet



Photo: Pierre Delvenne introduces Jasanoff at the award ceremony. Credit: Michel Houet

Sheila Jasanoff was honored with a doctorate *honoris causa* by the University of Liège Faculty of Law, Political Science and Criminology. The award specifically recognized her work in science and technology studies in her scholarship and institution building. Pierre Delvenne, a dedicated member of the Science and Democracy Network, managed the complex politics of steering the award through his interdisciplinary faculty. Jasanoff was also awarded the Albert O. Hirschman Prize of the Social Science Research Council, again importantly for her work in building the Science and Democracy Network. Her latest book, *Can Science Make Sense of Life?*, appeared with Polity in the fall of 2018.

Training and Curricular Activities

Special Field for Doctoral Students at the Harvard Kennedy School

Last year, the Harvard Kennedy School approved the creation of a special field in Science, Technology and Policy Studies (STePS) for students enrolled in its Ph.D. program in Public Policy (PPOL). The special field draws on the strengths of Harvard Kennedy School and Harvard University faculty in Science and Technology and Society to provide doctoral-level research and training on issues of policy and governance raised by developments in science and technology. Interested students could [apply](#) to the PPOL program by its annual deadline, **December 1**, indicating interest in the STePS Special Field. A list of prerequisites for the PPOL degree can be found on the [HKS Degree Programs website](#).

STS Circle

Now in its thirteenth year, the STS Circle continues to flourish as a major draw for the entire Cambridge STS community, with audiences regularly spilling out of the seminar room. This year, the STS Circle greatly benefited from its connections to the Weatherhead Center for International Affairs (WCFA). The 2018 series was held at the Center for Government and International Studies (CGIS). Drawing on the diverse talents and expertise of the local academic community, and capitalizing on its connections with engineering and the natural sciences as well as the social sciences and humanities, the STS Circle serves as the most attractive venue in Cambridge for both junior and senior scholars to present work on science, technology, and society.



Photo: Professor Tarun Khanna at the STS Circle.
Credit: Jens Marquardt and Anna Bridel

The complete STS Circle program for 2018-19 is available at http://sts.hks.harvard.edu/events/sts_circle/.

FELLOWS

Alessandro Allegra
Ph.D. Candidate
Science and Technology Studies,
University College London

Tito Carvalho
Ph.D. Candidate
Sociology and Science Studies,
University of California, San
Diego

Chul Choi
Professor of Law, Hankuk
University of Foreign Studies
Ph.D. Candidate, Graduate School
of Science and Technology Policy,
Korean Advanced Institute of
Science and Technology

Tess Doezema
Ph.D. Candidate
Human and Social Dimensions of
Science and Technology, Arizona
State University

Nina Frahm
Ph.D. Candidate
Innovation, Society and Public
Policy, Technical University
Munich

Shuang L. Frost
Ph.D. Candidate
Social Anthropology, Harvard
University

Training and Curricular Activities

Secondary Field in STS

The Secondary Field in Science, Technology and Society is open to Ph.D. candidates from all backgrounds at Harvard, and has attracted students from anthropology, law, design, biology, English, and engineering and applied sciences, among others. In 2018, STS Secondary Field student **Whitney Robles** (American Studies '19) presented her capstone project, "Natural History in Two Dimensions," as the opening STS Circle presentation for the academic year. Secondary field students have gone on to secure faculty positions in the United States and abroad, as well as significant policy positions in governments, think tanks, and universities. **Visit our [website](#) to read about some of our students' experiences with the Secondary Field.**



Photo: STS Secondary Field student and program affiliate, Ian McGonigle.

Eighth Annual STS Undergraduate Essay Contest



Photo: Blake McGhghy speaks about his thesis chapter's relation to STS frameworks.

The annual STS Undergraduate Essay Contest recognizes independent original research on science, technology and society conducted by Harvard College students in any field. STS Fellows read and evaluated the submissions, awarding three prizes. **Blake McGhghy** (Social Studies December '17) won first prize for his thesis chapter, "The 'Refractory' Nature of Local Community Life." **Augusta Conway** (History and Science '18) won an honorable mention for her paper "Transcendent Encounters: John E. Mack, Aliens, and the Debate on Scientific." **Bruno Moguel Gallegos** (Visual and Environmental Studies '17) was awarded an honorable mention for his thesis chapter "Environmental Health Impact: Identity Development, Community Organization, and Effects of Synthetic Dyes in the Sikka Regency."

To see the winners discuss the relationship between STS and their prize essays, click [here](#).

FELLOWS cont.

Maciej Kuziemski
Ph.D. Candidate
Science Policy Research Unit,
University of Sussex

Christopher Lawrence
Postdoctoral Research Fellow
International Security Program
and Project on Managing the
Atom, Belfer Center for Science
and International Affairs

Allison Marie Loconto
Researcher
French National Institute for
Agricultural Research

Gregg Macey
Professor of Law
Brooklyn Law School

Nicolas Mialhe
Visiting Senior Research Fellow
(non-resident)
Program on Science, Technology
and Society

Zara Mirmalek
Senior Fellow
Program on Science, Technology
and Society

Research News

“Governance of Sociotechnical Transformations (GoST)”



The GoST project, funded by the multinational Transformations to Sustainability (T2S) research program, focuses on transformations in three areas of crucial relevance to sustainable development, relating in particular to pressing imperatives in countries of the Global South: energy systems,

agriculture, and urban digital infrastructures. Each involves intricate North-South linkages that must be better understood for global sustainability efforts. Run by Project Leader **Silke Beck** and Principal Investigators **Sheila Jasanoff** and **Andy Stirling**, GoST will use the concept of sociotechnical imaginaries developed at Harvard to make sense of how collective visions of transformation shape societal choices. Challenges in all three focal areas are related to the prevailing imaginaries, and solutions may require imagining radically different alternatives. Through analysis of two interlinked parameters of transformation (dimensions and chronologies of imagined change) across five countries (Germany, India, Kenya, UK, US), leading research centers in each will examine the frictions between imagined and experienced states of transformation. GoST was funded for its methodologically innovative, integrative, empirically grounded approach that opens up new and nonlinear pathways of transformation. The central organizing theme of sociotechnical imaginaries derives from work done in the STS Program. The project hopes to demonstrate feasible choices among alternative pathways for enacting socially progressive transformations towards sustainability. Close collaboration between project leaders and partners **Leo Saldanha** of Environment Support Group in India and **Joanes Atela** of the African Centre for Technology Studies in Kenya will produce insights of practical importance for how such transformations can best be governed: by whom, to what ends, by what means, and with what welfare consequences for affected groups?

FELLOWS cont.

Kyoko Sato
Associate Director
Program in Science, Technology,
and Society, Stanford University

Stefan Schäfer
Scientific Project Leader
Institute for Advanced
Sustainability Studies, Potsdam

Kasper Hedegaard Schiølin
Visiting Postdoctoral Fellow
Program on Science, Technology
and Society

Claudia Schwarz-Plaschg
Postdoctoral Researcher
Department of Science and
Technology Studies, University
of Vienna

Hilton Simmet
Ph.D. Candidate
Public Policy, Harvard Kennedy
School

Geneva Smith
Ph.D. Candidate
Anthropology, University of
New Mexico

Research News

“The Fukushima Disaster and the Cultural Politics of Nuclear Power in the United States and Japan”

Sheila Jasanoff (Principal Investigator, Harvard) and **Kyoko Sato** (Senior Researcher, Stanford) continued to examine the sociotechnical imaginaries that anchored postwar nuclear governance in the United States and Japan, and the impact of the 2011 Fukushima disaster on these imaginaries. This NSF-funded project has identified the significant constitutive role nuclear imaginaries played in the two countries' postwar nation-(re)building efforts, as well as how national imaginaries mediated the interpretation of and responses to the nuclear disaster in different ways. Project findings were shared not only in academic settings such as Harvard and Stanford, but also at public events in New York, Fukushima, and Tokyo and in a museum exhibit at Stanford curated in part by Sato. This year, as the project wraps up, Jasanoff and Sato will visit Fukushima, Tokyo, and Kyoto to take stock of the disaster's lasting impact on surrounding environments, communities, and cultural imaginations of nuclearity.

“Traveling Imaginaries of Innovation: The Practice Turn and Its Transnational Implementation”

The “Traveling Imaginaries of Innovation” project is entering its final phase with case study authors beginning to revise their chapters based upon discussions of emerging common themes. Each case study investigates the way in which the Silicon Valley model of innovation has taken hold around the world, fueled by imaginaries of the power of digital technologies to revitalize collective life and infiltrate urban infrastructures, policies, designs, and forms of social life. Contributors include: **Sheila Jasanoff** and **Hilton Simmet** (Bangalore), **Kyriaki Papageorgiou** (Barcelona), **Margo Boenig-Liptsin** (Boston), **Joakim Juhl** (Copenhagen), **Hilton Simmet** (Dakar), **Sebastian Pfothhauer**, **Alexander Wentland** and **Luise Ruge** (Munich), **Aleksandar Rankovic** (Paris), **Brice Laurent** and **Félix Talvard** (San Francisco), **Juan Santa Cruz** (Santiago), **Sang-Hyun Kim** (Seoul), and **Amit Sheniak** (Tel Aviv). **Sheila Jasanoff** and **Margo Boenig-Liptsin** will write the introduction and conclusion to the volume with the aim of having the volume ready to submit in the summer of 2019. The volume will provide a timely critical perspective on the transnational consequences of the digital revolution –comprising big data analytics, social media platforms, and artificial intelligence – for individual identity, community, and national sovereignty.

FELLOWS cont.

Gili Vidan
Ph.D. Candidate
History of Science, Harvard
University

Madisson Whitman
Ph.D. Candidate
Anthropology, Purdue University

Dmitrii Zhikharevich
Ph.D. Candidate
London School of Economics
and Political Science

RESEARCH ASSOCIATES

Margarita Boenig-Liptsin
Research Associate
Program on Science, Technology
and Society

Michael Aaron Dennis
Professor of Strategy and Policy
U.S. Naval War College

Fellow Milestones

S.M. Amadae (2013-2014) accepted a permanent University Lectureship in World Politics in Political Science at the University of Helsinki, Finland. Previously, she was an Associate Professor in International Political Economy at Swansea University, Wales. Amadae recently published “Game Theory, Cheap Talk and Post-Truth Politics” in the *Journal for the Theory of Social Behavior*, 2018.

Alberto Aparicio (2017) started as Research Project Manager in the Research Support Office (Vicerrectoría de Investigaciones) of the Universidad de los Andes in Bogotá, Colombia in August 2018. In this role, he works to advance STS-related initiatives in Colombia.

Jay Aronson (2001-2003) was promoted to Full Professor of Science and Technology Studies at Carnegie Mellon University in July 2018. He recently co-edited a book entitled *New Technologies for Human Rights Law and Practice* with Molly Land from University of Connecticut. The volume is available open access from Cambridge University Press. Jay continues to be heavily engaged in the human rights community where his primary role is to help practitioners and institutions integrate new technologies into their workflows in ways that enhance their ability to carry out their missions and mandates. In addition, he facilitates projects that address the challenges of analyzing new forms of digital evidence. A recent [New York Times article](#) provides an example of this type of work. Currently, he is writing a book with the Chief Medical Examiner of Washington, DC on improving our understanding of police-involved fatalities. Outside of work, his kids are growing up too quickly but remain an endless source of pride and joy!

Les Beldo (2016) is currently a Visiting Assistant Professor at Oberlin College.

Stève Bernardin (2006-2007) became an Associate Professor of Sociology in the Department of Social Sciences of the Université Paris-Est Marne-la-Vallée.

Margo Boenig-Liptsin (2012-present) started her second semester as Lecturer in the History

Department at UC Berkeley this fall. She teaches an STS course for 200 students that she co-designed called “Human Contexts and Ethics of Data.” This course is part of a bigger effort to develop the Human Contexts and Ethics (HCE) component of the newly formed Division of Data Science educational program. This work includes translating social science theory and methods for a general education audience, building connections between engineering and social sciences, bringing together faculty, graduate students, and undergraduates at Berkeley into a community of scholars focused on HCE issues, and connecting the work of HCE to Bay Area’s communities and needs. Margo is also working on a few articles that show how co-production and recent developments in theoretical ethics can improve the currently impoverished conversation and practices of data ethics. The frameworks and methods that she learned while in the Harvard STS program, as well as the skills of STS community and institution building, prove foundational to her work daily.

Buhm Soon Park (2017) was appointed Director of the Center for Anthropocene Studies at KAIST, a multi-disciplinary research program newly established with a grant from the Korea National Research Foundation. He will begin his two-year term as President of the Korean Association of Science and Technology Studies in November 2018.

Laurence Delina (2013, 2015) published *Climate Actions: Transformative Mechanisms for Social Mobilisation* (Palgrave Macmillan 2019) and a series of papers on energy systems in Thailand.

Rachel Douglas-Jones (2006-2007, 2010) was appointed Head of the Technologies in Practice research group at the IT University of Copenhagen in September 2018. This year, she published an article with colleagues that analysed the recent abundance of IoT ethics manifestos. She also led a collaboratively authored chapter exploring tropes of monstrosity in technology development for the International Federation for Information Processing.

Fellow Milestones

Laura Frye-Levine (2016-2017) completed a PhD in sociology and a PhD in environmental studies at the University of Wisconsin in August 2018. Her dissertation is an ethnography of experts’ attempts to articulate and implement an ecological approach to economic policy. Currently, she is a postdoctoral scholar at the Program on Science, Technology and Society at MIT.

Mads Dahl Gjefsen (2011-2013) started a new position as Senior Researcher in the area of Responsible Research and Innovation at the Work Research Institute, Oslo Metropolitan University.

Amy Hinterberger (2014) took up a new position as Reader in the Department of Global Health and Social Medicine at King’s College London.

Pru Hobson-West (2006) was awarded a five year Wellcome Trust Collaborative Award in 2017 to work with colleagues at the University of Exeter, Manchester, Oxford and Southampton on the [Animal Research Nexus](#). In October 2018, Pru started a new Associate Professor (Senior Lecturer) role at the Institute for Science and Society in the School of Sociology and Social Policy, University of Nottingham. From January 2019, Pru will also work as a Visiting Associate Professor in the Department of Sociology, University of Warwick.

Kamilla Karhunmaa (2017-2018) continues work on her PhD on energy policy debates and has two dissertation articles currently in press. One, to be published in *Nature Energy*, examines media debates on the Energiewende in nuclear new-build countries (Finland, Hungary and the UK). The other, to be published in *Futures*, analyzes proposed governance arrangements for attaining carbon neutrality in Finland through the lens of sociotechnical imaginaries.

Allison Loconto (2018) was involved with organizing the Summer Institute on Critical Studies of Environmental Governance on “Metrics of Sustainability: Critical Studies of Sites, Practices, and Performances of Accountability in Environmental Governance” held at the Munk School of Global

Affairs, University of Toronto, Canada, in July 2018. This year, Allison was also elected to the Executive Committee of the International Sociological Association and was a panelist at the FOOD 2030 High Level Event in Plovdiv, Bulgaria in August 2018.

Luca Marelli (2013-2014) has been a Marie Skłodowska-Curie Fellow at the Life Sciences & Society Lab at KU Leuven since February 2018, working on a project on the politics and imaginaries of biomedical innovation of the European Union. Together with Giuseppe Testa, he published in *Science* the article “Scrutinizing the EU General Data Protection Regulation”.

Jens Marquardt (2017-2018) published a book chapter, “Worlds apart? The Global South and the Anthropocene” in *The Anthropocene Debate and Political Science* (Hickmann et al., eds. 2018) and submitted an article, “Reimagining Energy Futures: Contributions from Community Sustainable Energy Initiatives in the Global South” to *Energy Research and Social Science*. This fall, Jens will start a new position at Stockholm University, with a research focus on post-Paris climate policy implementation.

Jasper Montana (2015) received a Leverhulme Early Career Fellowship to pursue a three-year research project on the processes of governing biodiversity in the UK overseas territories. He will be based at the School of Geography and the Environment at the University of Oxford.

Shobita Parthasarathy (2000) published a book in 2017, *Patent Politics: Life Forms, Markets, and the Public Interest in the United States and Europe* (University of Chicago Press), which won the 2018 Robert K. Merton prize from the Science, Knowledge, and Technology section of the American Sociological Association.

Helge Peters (2016) is now a postdoctoral research assistant at the School of Geography and the Environment, University of Oxford, where he will work on community modelling for urban water infrastructure development.

Fellow Milestones

Gerard Porter (2012) has been awarded a grant by the UK ESRC and the Government of India for a project entitled: “Smart Regulation of Antibiotic Use in India: Understanding, innovating and improving compliance.” The aims of this project are first, to better understand the various problems surrounding the regulation of antimicrobial resistance (AMR) in India, and second, to improve the situation by applying the concepts of ‘smart regulation.’

Benjamin Rimbault (2015-2016) just completed his PhD in sociology at Paris East University. In 2019, he will join the Center for Research in Medicine, Science, Health, Mental Health, and Society in Paris for a two-year postdoctoral position. Benjamin and Pierre-Benoit Joly wrote a chapter for the forthcoming *Sociology of the Sciences Yearbook* called “Emergence of Technoscientific Fields and the New Political Sociology of Science.”

Celina Ramjoué (2003-2004) was appointed Deputy Head of a Unit of the European Commission Unit developing Europe’s Digital Policies, including the Digital Single Market. Her areas of focus are policies in the areas of science, research and data.

Aleksandar Rankovic (2015) became a Senior Research Fellow at the Institute for Sustainable Development and International Relations in fall 2018. He is also leader of the initiative on the post-2020 future of the UN Convention on Biological Diversity.

Melike Şahinol (2009) continues to develop the research field “Human, Medicine and Society” at the Orient Institute Istanbul. Her focus is on an interrelated analysis of developments in science, medicine, and technology and their effects on the human and society, mainly in the way Turkish society deals with bioscientific knowledge and biotechnical practices. In particular, she carries out STS projects in the context of human enhancement, exploring socio(bio)technical ensembles, concerning cultural differences in technomedical practices, e-Health, disability and the development of 3D-printed

prostheses for children. The STS community in Turkey continues to benefit from the STS TURKEY network, which Melike co-founded in 2017. STS TURKEY organized the first STS conference in Turkey in Ankara in September 2018. The meeting, held at Middle East Technical University (METU), was jointly organized by METU’s Science and Technology Policy Studies and Industrial Design departments, and supported by the Orient Institute Istanbul.

Juan Santa Cruz (2016-2017) joined a political party, campaigned for the current Chilean President, and is currently the Executive Director of the National Skills and Employment Agency in Chile. STS frameworks and standpoints have been at the center of Juan’s career in policy since leaving the STS Program.

Kyoko Sato (2013-present) continues to co-direct “Nuclear Governance after Hiroshima: Atoms for War and Peace in Japan, France, and the United States 1945-1970,” a 3-year collaboration among Stanford University, Université Paris Descartes and Université Paris Panthéon-Sorbonne, funded by the Partner University Fund of FACE (French-American Cultural Exchange) Foundation. With French colleagues Soraya Boudia and Bernadette Bensaude-Vincent, she co-organized an interdisciplinary, international conference, “Revisiting the Nuclear Order: Technopolitical Landscapes and Timescapes,” in Paris in June 2018.

Kasper Schiølin (2016-present) received a grant in spring 2018 from Independent Research Fund Denmark (the Danish equivalent to NSF) to extend his research and his fellowship with the STS Program. Kasper will thus continue his work on innovation politics in general and the Fourth Industrial Revolution in particular. He is currently working on a book manuscript entitled “The Gospel of Technology” (under consideration with Oxford University Press).