

# Program on Science, Technology & Society

Harvard Kennedy School **Fall 2016** Harvard University

## WELCOME FROM THE DIRECTOR

Dear Friends of STS,

Another year of events and accomplishments has come and gone in the Program on Science, Technology and Society at Harvard. Despite all the turbulence in the world, I am pleased to report that the Program's relationships across and beyond the University remain as strong as ever. We continue to benefit from close connections with Harvard Law School, the Weatherhead Center for International Affairs, and the School of Engineering and Applied Sciences (SEAS), where we typically host the STS Circle. This year has seen continued growth in attendance at our events, with attendance at the STS Circle, co-funded by the Graduate School of Arts and Sciences and the Weatherhead Center for International Affairs, routinely reaching into the high-forties, testifying to growing interest in all things related to STS at Harvard.

The past academic year featured two packed Science and Democracy events, a lecture on economic cooperation for climate change with William D. Nordhaus, eminent economist, and a surprisingly prescient panel on democracy in the digital age with noted STS scholars Yaron Ezrahi, Andy Stirling, and Shiv Visvanathan. The spring semester also featured a book launch for our colleague David Kennedy, director of the Law School's Institute for Global Law and Policy, and a workshop on the molecularization of identity organized by two former fellows, Ruha Benjamin and Ian McGonigle.

This was also an enormously productive year for STS research at Harvard. It was the first year of a new National Science Foundation project, "Traveling Imaginaries of Innovation: The Practice Turn and Its Transnational Implementation." This three-year project, analyzing innovation practices in Boston, Cambridge (UK), Munich, and Bangalore, has grown in scope and size to incorporate new team members and sites in Barcelona, Copenhagen, Dakar, Vienna, and Santiago. We also wrapped up our successful NSF-funded Life in the Gray Zone project with the development of the Bio+Society Collaboratory, a web resource that seeks to strengthen and grow the network of Harvard-trained STS scholars who conduct research at the intersection of the biological and biomedical sciences and technologies and society.

In June, our UK colleagues Jack Stilgoe (University College London) and Tim Forsyth (London School of Economics) hosted the 15th Annual Meeting of the Science and Democracy Network in London. The first day of the meeting coincided with Britain's historic "Brexit" vote to leave the European Union. It was the first of a number of shocks in 2016 that gave unexpected urgency and meaning to discussions in SDN's international community of STS scholars.

Our teaching and training endeavors also continue to flourish, with growing student participation and interest in the Graduate Secondary Field in STS. A new development with interesting implications for STS is Harvard College's adoption of a General Education requirement on science and technology in society. I am as always most delighted to report on career milestones, publications, and research grants for current and former STS Fellows. You will find fuller information about all of their accomplishments below.

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

*Mula*

## UPCOMING EVENTS AND DEADLINES

**January 31, 2017**

Deadline for non-stipendiary fellowship applications

**April 5, 2017**

Science and Democracy Lecture with Carlos Moedas

**April 26-28, 2017**

Workshop on CRISPR gene editing technologies.

**June 29-July 1, 2017**

16th Science and Democracy Network Annual Meeting, Harvard University Cambridge, MA USA

**Find out more online**

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

<http://twitter.com/HarvardSTS>

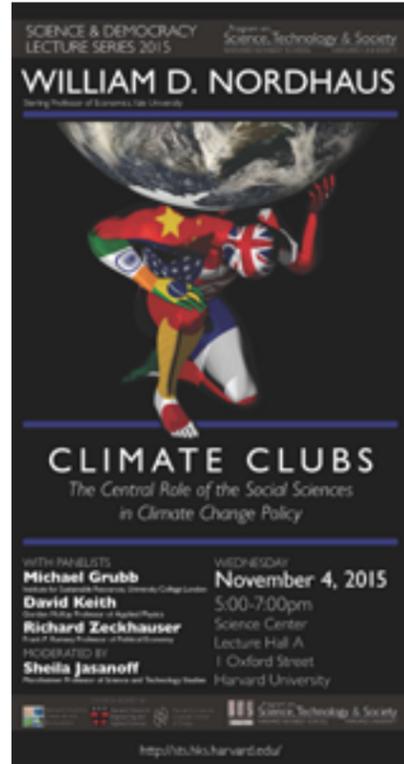
<http://facebook.com/HarvardSTS>



PROGRAM ON SCIENCE,  
TECHNOLOGY & SOCIETY

# Science and Democracy Lectures

## William D. Nordhaus November 4, 2015

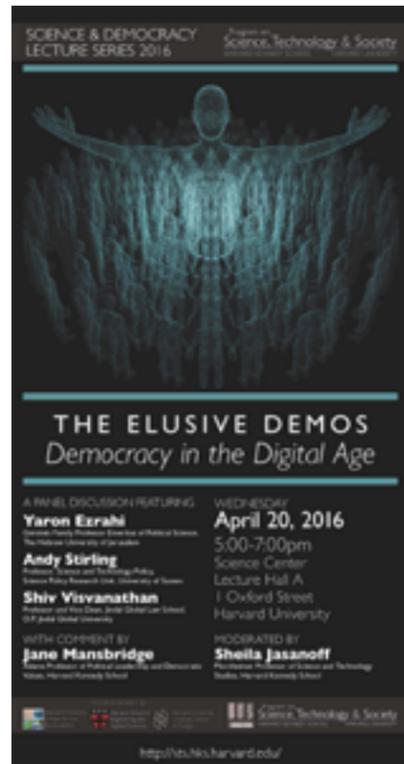


**William D. Nordhaus**, Sterling Professor of Economics at Yale University, discussed the need for cooperative responses to climate change at the international level in his Fall 2015 Science and Democracy Lecture, “Climate Clubs: The Central Role of the Social Sciences in Climate Change Policy.” Nordhaus noted that the environment is a global public good that does not necessarily have the right incentives to ensure its protection. He argued that the Kyoto Protocol struggled because of the ease with which reluctant countries could free-ride on the efforts of others. Looking at how nations have overcome this problem in other domains, Nordhaus argued that the “club model”, through the creation of a Climate Club, could help strategic efforts to turn cooperation into reality. Panelists Richard Zeckhauser (Harvard Kennedy School), Michael Grubb (University College London), and David Keith (School of Engineering and Applied Sciences) discussed the benefits and challenges of the proposed model.

The event was co-sponsored by the Harvard University Center for the Environment, the Harvard School of Engineering and Applied Sciences, and the Weatherhead Center for International Affairs.

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

## The Elusive Demos April 20, 2016



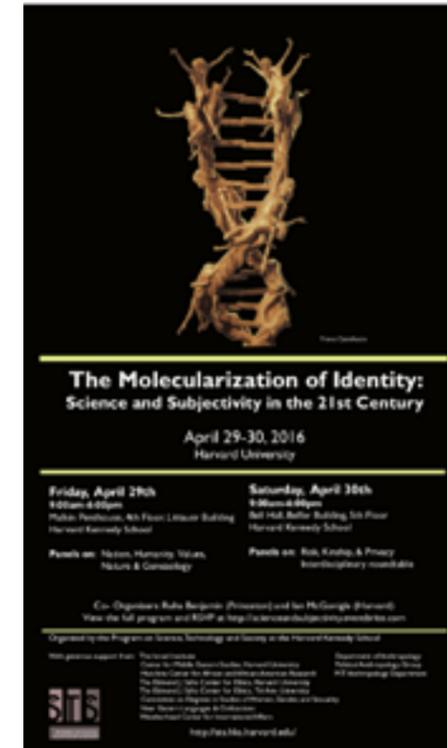
Panelists **Yaron Ezrahi** (Hebrew University of Jerusalem), **Andy Stirling** (University of Sussex), and **Shiv Visvanathan** (O.P. Jindal University) discussed the shifting relationship between the state and its publics in “The Elusive Demos: Democracy in the Digital Age,” the Spring 2016 event in our Science and Democracy lecture series. Ezrahi pointed out that digitalization has widened the imagined global space and dispersed the voices of the public, but that there are important continuities within a demos that is after all always shifting. Stirling suggested we are facing an unprecedented existential threat to democracy and argued for what he called “root-like structures,” such as open-source media, over more top-down “tree-like structures.” Visvanathan voiced his concern that “the body is disappearing,” and that the social is being erased, and suggested we look at digital subversion and crime for cases of real democracy. In her comment, Jane Mansbridge (Harvard Kennedy School) discussed the role of the state’s coercive power, and questioned the ability of digital tools to enhance the legitimacy of democracy.

The event was co-sponsored by the Harvard University Center for the Environment, the Harvard School of Engineering and Applied Sciences, and the Weatherhead Center for International Affairs.

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

# Workshops and Initiatives

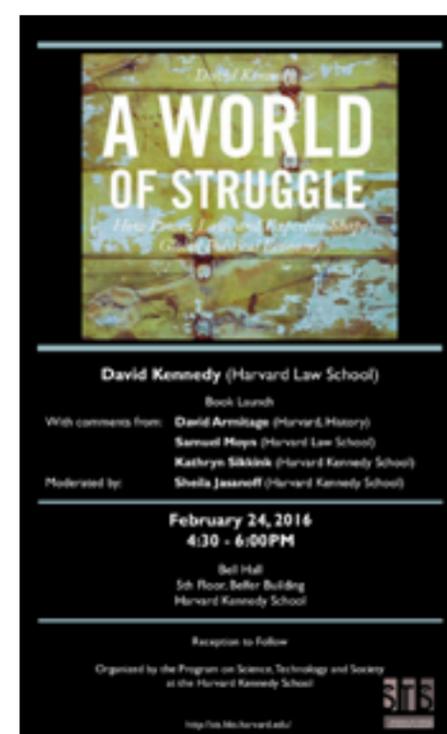
## The Molecularization of Identity: Science and Subjectivity in the 21st Century



On **April 29-30, 2016**, about 100 Harvard graduate students, current and former STS fellows, and invited speakers discussed recent advances in biological and computational technologies and how they are changing the way we imagine, race, gender, kinship, citizenship and disease risk. Organized by former STS Fellows, **Ian McGonigle** and **Ruha Benjamin**, this symposium interrogated the complex ways in which the molecular realm is an emerging site for constituting human identities in the 21st century. In addition to presentations by Ian and Ruha, it also featured talks by former STS fellows **Alessandro Blasimme** and **Amy Hinterberger** and a comment by **Sheila Jasanoff**. A report on the workshop, written by Ian and Ruha, was published in [Genetics Research](#).

Further support for this event was provided by the Israel Institute; the Center for Middle Eastern Studies; Hutchins Center for African & African American Research; the Edmond J. Safra Center for Ethics; Department of Anthropology; Weatherhead Center for International Affairs; Committee on Degrees in Studies of Women, Gender, and Sexuality; Political Anthropology Group; Near Eastern Languages and Civilizations; The Edmond J. Safra Center for Ethics at Tel Aviv University; and MIT Anthropology.

## Book Launch for David Kennedy’s *A World of Struggle*



On February 24, 2016, the Harvard STS Program hosted a book launch and reception for faculty affiliate **David Kennedy’s** *[A World of Struggle: How Power, Law, and Expertise Shape Global Political Economy](#)*. The book, published by Princeton University Press, analyzes the role of expert knowledge in our political and economic life. In a lively discussion at the Harvard Kennedy School, panelists **David Armitage** (Harvard History), **Samuel Moyn** (Harvard Law School), and **Kathryn Sikkink** (Harvard Kennedy School) provided commentary moderated by **Sheila Jasanoff**.

This book launch was part of the continuing collaboration between the Harvard STS Program and the **Institute for Law and Global Policy (IGLP)** at Harvard Law School. This past July, **Sheila Jasanoff** and **Benjamin Hurlbut** co-convened the STS stream of IGLP’s most recent workshop in Madrid. In January 2017, Sheila and Ben will also travel to Bangkok, Thailand to participate in the IGLP Asian Regional Workshop.

## Workshops and Initiatives

### Science and Democracy Network



Photo: 2016 SDN Meeting. Photo by Clark Miller

The 15th Annual Meeting of the Science and Democracy Network was held at University College London and the London School of Economics and Political Science, June 23-25, 2016. This year's meeting included pre-circulated papers on a diverse array of topics such as crafting a public for geoengineering; the technocratic empiricism of the Obama administration; transnational fractures in global regimes of toxicity; global food politics; and agricultural production in Argentina. In collaboration with Tiago Mata (University College London), the meeting also held a special session on the regulation of public numbers. Another special session focused on expertise and politics of subsidiarity in the wake of the Brexit vote, which fortuitously occurred on the first day of the annual meeting.

### Secondary Field

The Secondary Field in Science, Technology and Society continually attracts Ph.D. students from varied backgrounds including anthropology, law, design, chemistry, and engineering and applied sciences, among others. In Fall 2015, Secondary Field student **Amy Gilson** (Chemical Physics) and Science in the News (SITN), Harvard's graduate science communication organization, partnered with the STS Program to produce Sit'N Listen, an ongoing Science and Society podcast series, written jointly by students from the natural sciences, STS, and other Harvard schools. The podcast draws on STS in many ways, prominently, by examining how changing public values and scientific knowledge can reconfigure relationships among experts and publics as well as the process of scientific knowledge itself. Sit'N Listen can be found on the SITN website and on iTunes or Soundcloud.

## FELLOWS

**Alberto Aparicio de Narvaez (Spring 2016)**  
Science and Technology Studies,  
University College London

**Ingrid Foss Ballo**  
PhD Candidate  
Environmental Geography, University of Bergen

**Jeremy Baskin (Fall 2016)**  
PhD Candidate  
Politics, University of Melbourne

**Thomas Bertorelli**  
PhD Candidate  
Sociology, Brandeis University

**Francesca Bosio**  
Head of Projects, Lausanne University Hospital  
Associate Researcher, Health Psychology Research Centre and Interface Science-Society

**Tito Carvalho**  
PhD Candidate  
Sociology and science studies, University of California, San Diego

**Samuel Weiss Evans**  
Visiting Research Fellow  
Program for Science, Technology, and Society

**Laura Frye-Levine**  
PhD Candidate  
Sociology and Environmental Studies, University of Wisconsin, Madison

## Training and Curricular Activities

### STS Circle



Photo: STS Circle with Jeremy Baskin. Photo by Laura Frye-Levine.

Now in its eleventh year, the STS Circle continues to flourish as a major draw for the entire Cambridge STS community, with audiences regularly filling the SEAS seminar room in Pierce Hall to overflowing. This year, the STS Circle greatly benefited from its connections to the Harvard University Center for the Environment by holding the spring 2016 series at HUCE. 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 for junior and senior scholars to present their work on science, technology, and society in Cambridge.

The complete STS Circle program is available at [http://sts.hks.harvard.edu/events/sts\\_circle/](http://sts.hks.harvard.edu/events/sts_circle/).

### Fifth Annual STS Undergraduate Essay Contest

The 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 evaluate the submissions, awarding three prizes. **Nicole Bassoff** (History of Science '16) won first prize for her thesis chapter, "Whose Name is it Anyway?: Medical Authority and the 'Hansen's Disease' Movement." **Leah Singer** (Anthropology '16) won second place for her thesis chapter "Injury Law and the Calculation of Future Lost Income Capacity." **Emma Woo** (History of Science '16) was awarded third place for her paper "Seeing Pregnancy: Prenatal Care and Women's visibility in the Women's Municipal League of Boston." To see the winners discuss the relationship between STS and their prize essays, click [here](#).

## FELLOWS

**Christopher Lawrence**  
Visiting Research Fellow  
Program on Science, Technology and Society

**Moran Levy**  
PhD Candidate  
Sociology, Columbia University

**Nicolas Mialhe**  
Visiting Senior Research Fellow  
Program on Science, Technology and Society

**Zara Mirmalek**  
Postdoctoral Fellow  
Program on Science, Technology and Society

**Jacob D. Moses**  
PhD Candidate  
History of Science, Harvard

**Ehsan Nabavi**  
PhD Candidate  
Research School of Social Sciences, Australian National University

**Kellie Owens**  
PhD Candidate  
Sociology and Science in Human Culture, Northwestern University

**Helge Peters (Fall 2016)**  
DPhil Candidate  
Geography and the Environment, University of Oxford

# Research News

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

The “Traveling Imaginaries of Innovation: The Practice Turn and Its Transnational Implementation” research project is now in its second year. Under Principal Investigator **Sheila Jasanoff**’s leadership, the project’s core team of Joakim Juhl (Aalborg University), **Sebastian Pfotenhauer** (Technical University of Munich), and **Margo Boenig-Liptsin** (Research Associate, Harvard STS) conducted interviews and fieldwork to understand the imaginaries of innovation in their respective city case studies: Copenhagen, Denmark; Cambridge, UK; Karlsruhe, Germany and Boston, Massachusetts. The project also expanded its reach to incorporate additional cities and solicited contributions from former and current fellows. The new larger team includes **Michael Aaron Dennis** (Boston), **Iris Eisenberger** (Vienna), **Brice Laurent** (San Francisco), **Kyriaki Papageorgiou** (Barcelona), **Aleksandar Rankovic** (Paris), **Juan Santa Cruz** (Santiago), **Hilton Simmet** (Dakar), and **Alex Wentland** (Karlsruhe). Harvard College junior Wenting Gao also contributed research for the Boston case. Project participants gathered in Cambridge in December 2016 for a workshop to develop comparative insights based on work-in-progress on each city.

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

Principal Investigator **Sheila Jasanoff** (Harvard) and Senior Researcher **Kyoko Sato** (Stanford) continued their NSF-funded investigation of nuclear governance in the United States and Japan. The project, now in its fourth year, examines the sociotechnical imaginaries that anchored postwar nuclear governance in the two countries, as well as how the 2011 Fukushima disaster affected these imaginaries. Sato’s fieldwork and document analysis show that, in Japan’s post-Hiroshima nuclear imaginaries, a boundary between weapons and energy created a break between prewar/wartime Japan and new Japan. In particular, US authorities’ persistent downplaying of radiation’s health effects and the lack of representation of *hibakusha* bodies and suffering facilitated Japan’s embracing of Atoms for Peace as a nation-(re)building project. These bifurcated nuclear imaginaries had long prevented *hibakusha* experience and politics from being relevant to the issue of radiation risks at nuclear power plants – until the 2011 disaster created a new narrative that connects Hiroshima, Nagasaki, and Fukushima. Furthermore, in both Japan and the US, nationalized nuclear imaginaries led to the understanding of nuclear disasters in other countries as attributable to the host country’s institutions, culture, and geology and therefore irrelevant to their own nuclear safety governance.

## FELLOWS cont.

### **Kyoko Sato**

Associate Director  
Program in Science, Technology,  
and Society at Stanford University

### **Kasper Hedegaard Schiølin**

Regular Member  
Centre for Science and Technology  
Studies at Aarhus University

### **Amit Sheniak**

Postdoctoral Fellow  
Swiss Center for Conflict Research,  
Hebrew University of Jerusalem

### **Maayan Sudai**

SJD candidate  
Harvard Law School

### **Tina Talleraas**

PhD Candidate  
Science and Technology Studies  
TIK Centre for Technology, Innovation,  
and Culture, University of Oslo

### **Gili Vidan**

PhD Candidate  
History of Science, Harvard  
Jerusalem

# Research News

## Life in the Gray Zone: Governance of New Biology in Europe, South Korea, and the United States”



This NSF-funded project completed its work in May 2016. Graduate Research Fellow **Jacob Moses** and Research Assistant **Jessica Cussins** worked on the [Bio + Society Collaboratory](#), a new website that seeks to strengthen and support the network of Harvard-trained and Harvard-affiliated STS scholars working at the intersection of the biological and biomedical sciences and technologies and society. The site features profiles, publications, and joint projects of this group. This grant also funded work on the Bioconstitutionalism research platform, a portion of our website which will contain sample cases and interactive resources to inform scholarly work connecting STS theory with empirical studies of biology, biomedicine, and the law. The project also contributed to the conference on “Molecularization of Identity” held in Cambridge in April.

## *The Ethics of Invention: Technology and the Human Future*



In August 2016, **Sheila Jasanoff** published a new book, *The Ethics of Invention: Technology and the Human Future*. The book explores a world increasingly governed and shaped by technology, and asks, “To what ends?” Jasanoff dissects the ways in which we silently delegate power to technological systems and uncovers the complex interplay among technology, ethics, and human rights. Looking in particular at powerful emerging biotechnologies such as gene editing, Jasanoff

challenges the common assumption that technology is an apolitical and amoral force. Instead, she demonstrates how technology can warp the meaning of democracy and citizenship unless we carefully consider how to direct its power and promise through open, democratic dialogue. The book is available through [W.W. Norton & Company](#).

## RESEARCH ASSOCIATES

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

**Joakim Juhl**  
Assistant Professor  
Aalborg University in Copenhagen,  
Denmark

**Michael Aaron Dennis**  
Professor  
Strategy and Policy, Naval War  
College

**Ian Vincent McGonigle**  
Research Associate  
Program on Science, Technology  
and Society

## RESEARCH ASSISTANTS

**Hilton Simmet**  
Research Assistant  
Program on Science, Technology  
and Society

**Jessica Cussins**  
Graduate Student Research and  
Administrative Assistant  
Program on Science, Technology  
and Society

## Fellow Milestones

**S.M. Amadae** (2013-2014) published her book, *Prisoners of Reason: Game Theory and Neoliberal Political Economy* (Cambridge UP), in 2016. She is working as a Senior Research Fellow in the Academy of Finland's Centre of Excellence in the Philosophy of Social Science in the Department of Political and Economic Studies at the University of Helsinki, Finland (sm.amadae@helsinki.fi) and is maintaining a research affiliation with STS at MIT (amadae@mit.edu).

**Shana (Rabinowich) Ashar** (2010-present) married Amar Ashar on April 16, 2016. Sheila and Jay Jasanoff attended a joyous, multi-day Hindu wedding in New Jersey. Shana can now be reached at shana\_ashar@hks.harvard.edu.



Photo by Sheila Jasanoff

**Elizabeth Barron** (2011-2013) has co-authored several new articles and book chapters including “‘Like a Second Home’: Conceptualizing Experiences within the Fox River Watershed Through a Framework of Emplacement” in *Water*; “Names Matter: Interdisciplinary Research on Taxonomy and Nomenclature for Ecosystem Management” in *Progress in Physical Geography*; and “Situating Wild Product Gathering in a Diverse Economy: Negotiating Ethical Interactions with Natural Resources” in *Making Other Worlds Possible: Performing Diverse Economies*.

**Stève Bernardin** (2006-2007) will receive the 2017 “Prix International Jean Widmer” for his paper “Taking the Problem to the People”: Traffic

Safety from Public Relations to Political Theory, 1937-1954. The paper was originally published in the April 2015 issue of *Technology and Culture*. The Prix International Jean Widmer is awarded to a young international scholar, who published a paper (in either French, English, Spanish or German) that brought a significant contribution to the study of public problems during the past three years.

**Arthur Daemmrich** (2000-2001) took up a new position as director of the Lemelson Center for the Study of Invention and Innovation in the Smithsonian Institution's National Museum of American History. In 2016, he published several teaching cases on healthcare management and bioethics, including “Children's Hospital Oakland: End-of-Life Dilemmas,” Ivey Publishing case 9B16C007.

**Mads Dahl Gjefsen** (2011-2013) recently published “Crafting the Expert-advocate: Training and Recruitment Efforts in the Carbon Dioxide Capture and Storage Community” in a special issue of *Innovation: The European Journal of Social Science Research*. In June 2016 he started working for the University of Wisconsin's Technology Transfer organization, WiSys Technology Foundation.

**Laurence Delina** (2013-2016) published *Strategies for Rapid Climate Mitigation: Wartime Mobilisation as a Policy Model* (Routledge 2016). He has been awarded a Rachel Carson Fellowship at LMU-Munich in Spring 2017 to finish his book *Sustainable Energy Transitions in Developing Countries: the Challenges of Climate Change and Sustainable Development* (Routledge 2017).

**Iris Eisenberger** has been appointed Professor of Law in 2016 at the University of Natural Resources and Life Sciences, Vienna, where she heads the Institute of Law. Her book *Innovation im Recht* (Innovation in Law) has just been published and she has recently begun two grant-funded projects. AUTO-NOM is an interdisciplinary project on traffic behavior and its effects on different classes of autonomous driving, funded by the Austrian science funding agency. She is also working with former fellow **Sebastian Pfotenhauer** on “Kryptowährungen – Digitale Transaktionen – Staatliche Transformationen,” a project focused on the legal governance of cryptocurrencies and funded by the Styrian funding program “Polaritäten in der Wissensgesellschaft: Alt und Neu-Tradition und Avantgarde.”

## Fellow Milestones

**Sam Weiss Evans** (2009-2011 and 2015-present) has an article out in *Issues in Science and Technology* on “Biosecurity Governance for the Real World.” He is also working on his book on the construction and governance of security concerns in emerging technology and building up a new project on governance issues around CRISPR gene drive research.

**Mascha Gugganig** (2014-2015) successfully defended her dissertation “Learnsapes on Kaua'i: Education at a Hawaiian-focused Charter School, a Food Sovereignty Movement, and the Agricultural Biotechnology Industry” at the University of British Columbia. In October 2016, she began work as a postdoctoral researcher at the Center for Technology in Society at the Technical University-Munich in the research cluster led by **Sebastian Pfotenhauer** on Innovation, Society and Public Policy.

**Amy Hinterberger** (2014) won a Wellcome Trust Seed Award in Humanities and Social Science for her project “Blood and Tissue as Human Research Subjects.” In this project, she will investigate transformations in the definitions and practices of what constitutes a human research subject in the context of data-intensive biology.

**Joakim Juhl** (2013-2015) was promoted to Assistant Professor in Design Methods and Synthesis in Engineering and Innovation at Aalborg University, Copenhagen, in August 2016. He recently published “Innovation Science: Between Models and Machines” in *Engineering Studies*. The article investigates the intersection of academic science and private industry and discusses the form, meaning, and success criteria of this kind of knowledge production in relation to pure science, Mode 2, and engineering science.

**Monika Kurath** (2007-2008) obtained a *venia docendi* authorizing her to teach in the academic discipline of Science and Technology Studies from the University of Vienna, Austria.

**Ian McGonigle** (2015-2016) co-organized with Ruha Benjamin the “Molecularization of Identity” conference at Harvard STS in April 2016, and co-published a report on the proceedings in *Genetics Research*. He also published articles in *Genetics*

*Research*, *The Journal of Law and the Biosciences*, and *Transversal: Journal for Jewish Studies*. He was awarded a language study bursary from Harvard Center for Middle Eastern Studies for summer Arabic language training in Oman, as well as a study tour fellowship by the Turkish Ministry for Culture and Tourism.

**Ehsan Nabavi** (2016) recently published a paper, “Rediscovering Social-Ecological Systems: Taking Inspiration from Actor-Networks” in the journal *Sustainability Science*.

**Zoe Nyssa** (2014-2016) accepted a position as Assistant Professor in the Department of Anthropology at Purdue University. She joins a department filled with scholars working on STS issues. In addition to her research and teaching on environmental problems, she is co-developing an applied program at the interface of anthropology and STEM for students planning careers as practitioners.

**Helen Pallett** (2012) is now a Lecturer (Assistant Professor) in the Human Geography of the Environment at the University of East Anglia.

**Benjamin Rimbault** (2015-2016) published a chapter with former STS Fellows Nicole Gayard, Mylène Tanferri, and Zara Mirmalek called “An Utopia of Presence: (Re)situating Places, Times and People in Our Desired Worlds.”

**Krishanu Saha** (2009-2012) helped run a successful STS Summer School in July 2016 at the University of Wisconsin-Madison, where he is currently Assistant Professor of Biomedical Engineering, BIONATES; **Sheila Jasanoff** delivered a guest lecture remotely from her summer base in Freiburg, Germany. The Madison summer school continued the work of the Harvard-coordinated Biology and Society Collaboratory, which has organized and run three previous summer schools on current social and policy issues in the biosciences and technologies. Kris's lab also received NIH and NSF awards in 2016 to conduct research on gene editing.

**Melike Şahinol** (2009) published her dissertation *Das techno-zerebrale Subjekt. Zur Symbiose von Mensch und Maschine in den Neurowissenschaften* (“The Techno-Cerebral Subject: About the Symbiosis of

# Fellow Milestones

Human and Machine in the Neurosciences”). Her project focused on the adaptation of human and machine in neuroscience and demonstrated how the human as a techno-cerebrally operating form acts and interacts in neuroscientific experimental therapies. Melike is currently working on two projects on human enhancement at the Orient-Institute Istanbul: “Blurred Boundaries of Assistive Reproduction Technologies” and “Neuroenhancement: Practices and Techniques.” Both projects are concerned with finding solutions for problems confronting human beings who are differently embedded, individually and socially, in national historical, ethical, legal, and cultural contexts.

**Matthew Sample** (2014-2016) defended his dissertation “Evaluating Neural Futures: Good Technology and the Challenge of Co-Production” and accepted a postdoctoral fellowship at the Institut de recherches cliniques de Montréal. His research at the Neuroethics Unit will focus on the ethics and politics of brain-computer interfaces.

**Kyoko Sato** (2013-present) continues to work on the politics of nuclear governance in Japan and the United States. Her latest publication is “STS and the Future of the Democratic Society: Post-Fukushima Reflections” (in Japanese) in 科学技術社会論研究 (Research in Science and Technology Studies, published by the Japanese Society for Science and Technology Studies). She will be co-directing “Nuclear Governance after Hiroshima: Atoms for War and Peace in Japan, France, and the United States 1945-1970,” a collaboration with Stanford University, Université Paris Descartes and Université Paris Panthéon-Sorbonne. The project is supported by two grants, one from the Partner University Fund of FACE (French-American Cultural Exchange) Foundation and the other from France-Stanford Center for Interdisciplinary Studies.

**Kasper Schiølin** (2016-2017) recently published an article “Cum Deus Calculat, Fit Mundus” (or The Will to Technology: Diagnosis and Cure) in a book entitled Teknologi [Technology] (Aarhus University Press), as well as a book chapter in Danish on the representation of technology in

Ernst Jünger’s late fictional work (Museum Tusulanum Press). He also has two forthcoming book chapters: “Lost in Translation: Getting to Grips with Multistable Technology in an Apparently Stable World” (Rowman & Littlefield, coauthored with Lasse Blond) and “Bataille’s Bicycle: Execution and/as Eroticism” (Autonomedia, coauthored with Marie Louise Juul Søndergaard).

**Gouk Tae Kim** (2011-2012) has a new position as Research Assistant Professor at the Research Center for Strategic Management in KAIST (Korea Advanced Institute of Science & Technology), South Korea.

**Mattijs van Maasakkers** (2012-2013) published a book, *The Creation of Markets for Ecosystem Services in the United States: The Challenge of Trading Places*, for which he completed much of the research and some of the writing during his time as an STS fellow. The book offers a detailed analysis of the most advanced efforts to create markets for ecosystem services in the United States. Using in-depth case studies of three well-known attempts to create such markets—in the Chesapeake Bay watershed, the Ohio River basin and the Willamette River basin—this book explains why very few of these markets have actually succeeded even after close to two decades of much scholarly enthusiasm, significant federal funding and concerted efforts by NGOs, government agencies and private businesses.

