Program on Science, Technology & Society

Harvard Kennedy School Fall 2020 Harvard University

WELCOME FROM THE DIRECTOR

Dear Friends of STS@Harvard,

The COVID-19 pandemic has dominated all of our lives since last March, and the STS Program felt its effects acutely. If there is one theme running through this year's newsletter, it is the pandemic—as a barrier to normal programming, a novel focus of teaching and research, and an unexpected incentive for innovation and learning.

Spring was a time of unraveling. STS Circle and the Science and Democracy Lecture were canceled. Classes moved online. The weekly Fellows meetings became remote, and Fellows dispersed to the four winds as air travel and national borders shut down. Other losses followed: the inaugural student conference (GRiSTS); the much-anticipated Science and Democracy Network (SDN) meeting in Copenhagen; and the 2020 Summer School on expertise and democracy.

Early summer brought resilience. Events once planned as in-person gatherings, such as the SDN annual meeting and GRiSTS, were re-imagined for the Zoom environment. By the fall semester, with determined assistance from the resident STS Fellows, the Program was once more up and running. We resumed the weekly Circle meetings and added activities to build on our community's intellectual strengths, connecting across ages, ranks, time zones, and continents.

This year we continued our role in undergraduate education through core offerings in Environmental Science and Public Policy, as well as in collaboration with the Departments of Sociology and History of Science, the School of Engineering and Applied Sciences, and Harvard Law School. We advised undergraduate honors theses and encouraged interest in STS through the annual essay competition. The STS Fellows Program, the Science, Technology, and Policy Studies (STePS) special field in the Public Policy Ph.D. program, and the Graduate Secondary Field in STS all drew highly qualified younger scholars into the field.

The Program secured funding for two important research and outreach projects. Supported by the National Science Foundation and Schmidt Futures, and in collaboration with Cornell's Department of S&TS, the Comparative COVID-19 Response (CompCoRe) Project is investigating responses to COVID-19 across 5 continents and 19 countries. With support from the John Templeton Foundation, the Global Observatory for Genome Editing will explore emerging moral and ethical questions at the frontiers of bioengineering. In addition, the Program took on leadership responsibility for the Trust in Science project of the Harvard Data Science Initiative.

Despite this year's challenges, the Program added exciting new events to its core activities: January's STS Research Seminar, September's Graduate Research in STS Conference (GRiSTS), the STS&Crisis blog, and the online STS@Tea conversations. Please read more about these developments and the cornucopia of recent news from our Fellows in this newsletter.

With thanks for your continued interest in STS@Harvard and wishing you a healthy and happy New Year,

STS

PROGRAM ON SCIENCE, TECHNOLOGY & SOCIETY

Science and Democracy Lectures

Science and Democracy *is a lecture series exploring both the promised benefits of our era's most salient scientific and techno-logical achievements and the potentially harmful consequences of developments that are inadequately understood, debated, or man-aged by politicians, publics, and policy institutions. The lectures are supported by* **John McQuillan** *and co-sponsored by the Harvard University Center for the Environment and the Weatherhead Center for International Affairs.*

Jens Beckert and Richard Bronk

October 23, 2019

In Fall 2019 the STS Program hosted **Jens Beckert** (Max Planck Institute for the Study of Societies) and **Richard Bronk** (LSE) for the Science and Democracy lecture. Paraphrasing the title of their most recent book, Beckert and Bronk spoke about "Uncertain Futures: Imaginaries, Narratives, and Calculative Technologies." They considered the role that imaginaries and narrative play in addressing uncertainty in contemporary economic thought and decision-making. In their talk, they drew attention to expert discourses today as language monocultures that belie the underlying fiction of "the model" in giving shape to uncertain futures. By contrast, the speakers advocated for "narrative economics," a new approach to expert agenda-setting that emphasizes fictional, rather than rational, expectations. Moderated by **Sheila Jasanoff**, the panel discussion that followed included the (recently-announced) Nobel Laureate and MIT Professor of Development Economics **Esther Duflo**, MIT Professor of Political Economy and Urban Planning **Jason Jackson**, and Harvard economic historian **Emma Rothschild**.

Neil Walker

November 10, 2020

The Spring 2020 Science and Democracy lecture had to be moved to the Fall and, like so many events of the year, was held under unusual circumstances. **Neil Walker**, of Edinburgh Law School, was about to present in April when the COVID crisis struck. As a result, and for the first time ever, the lecture was suspended—until the fog of uncertainty lifted and Zoom technology was normalized—so that the lecture could be (safely and securely) hosted online. One bright side of the disruption was that Walker gave a newly-revised talk on "The Crisis of Constitutional Democracy in Pandemic Times." Addressing the dual crises of COVID and democracy, Walker called this an era of "technopopulism," in which technocracy and populism are not opposed but merged. He argued that even in this unpromising era there is hope if we consider how the crises might open up new possibilities for democracy. The discussion period featured trenchant commentary from panelists **Joyce Chaplin** (Harvard History), **J. Benjamin Hurlbut** (Arizona State), and **Douglas Kysar** (Yale Law School), with **Sheila Jasanoff** moderating. The event was virtually attended by over 200 viewers from the STS@Harvard community in Cambridge and around the world. Watch the event.

Events and Initiatives

The STS Program offers a vibrant model for One Harvard through outreach not only to the College but to other professional schools and research centers, most notably the Institute for Global Law and Policy (IGLP) at Harvard Law School, the Harvard University Center for the Environment (HUCE), the Weatherhead Center for International Affairs (WCFIA), the School of Engineering and Applied Sciences (SEAS), and the Graduate School of Arts and Sciences (GSAS). These broad and diverse connections have powered the Program's whole range of activities, including many of our public events.

Graduate Research in STS (GRiSTS)

On September 4-5, 2020 the STS Program hosted its first Graduate Research in STS (GRiSTS) conference. Graduate students from departments and universities in the Northeast came together around the topic of *Submerged Futures: Science, Technology, and the Politics of Forgetting*. In addition to five student panels on topics ranging from "Space, Climate and Catastrophe" to "Globalization and Governance," GRiSTS included a keynote from **Sheila Jasanoff**, pop-up talks by Harvard Kennedy School faculty members, and STS faculty panels on "Professional Development" and "Crisis & Solidarity." Co-organized by **Nicole West Bassoff**, **Pariroo Rattan**, and **Hilton Simmet**, GRiSTS was designed to catalyze the formation of a Northeast regional STS graduate network in the United States. We are in the process of planning a second installment for 2021.

Trust in Science, Trust in Democracy
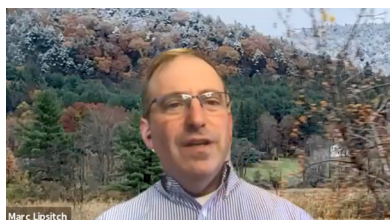
In 2020, science and democracy are both in crisis. Facts, long considered the bedrock of democracy, are increasingly questioned, while the public has lost faith in the institutions most responsible for producing reliable facts. To reflect on this erosion, the STS Program, in collaboration with the Harvard Data Science Initiative, convened a roundtable on Trust in Science, Trust in Democracy on December 7, 2020 with four leading experts from academia and public life. **Marc Lipsitch** dissected the ways that the COVID-19 pandemic can be a teachable moment for trust in science. **Kenneth Prewitt** discussed the need for trust in the production of the census. **Ruha Benjamin** asked for a new history of science and medicine that looks at why Black people should trust science; and **Chris Mooney** showed how news media and science reporters can generate trust in both the journalism and the science behind contested issues like climate change.
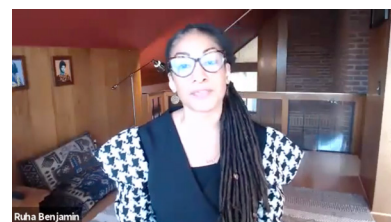
You can read more about the new Trust in Science Project under *Research*.

STS@Tea

In the Fall of 2020, Harvard STS launched a new space for intellectual engagement with emerging futures: STS@Tea. The aim of the series is to host occasional informal conversations exploring the place of STS thinking as the world grapples with urgent problems relating to science, technology, environment, expertise, and democracy. Our first event featured **Theodore Porter**, Distinguished Professor of History at UCLA, in conversation with **Sheila Jasanoff**. The theme of discussion was "Politics of Predictions: Numbers, Statistics and COVID-19." The event made for a timely conversation on trust and governance during a pandemic and immediately before a momentous national election. It drew an audience of some 160 STS enthusiasts from around the world.

The second STS@Tea event, "Testing Times for Constitutional Democracy," was held on December 3, 2020 to address STS-related issues that emerged from the 2020 American Presidential election. **Duncan Kennedy** (Harvard Law), **Jill Lepore** (Harvard History), **Sundhya Pahuja** (Melbourne Law) and **Kaushik Sunder Rajan** (Chicago Anthropology) served as panelists; **Sheila Jasanoff** moderated the discussion.

Panelists were asked to address the familiar STS theme of "testing." What was put to the test in this election, how well did the test work, what if anything was demonstrated or proved, to whom, and with what likely effects? The event drew a large audience and high levels of engagement with the panelists' intersecting analyses of democratic order, legal and scientific authority, international law, and cross-country comparisons.

Crisis Blog
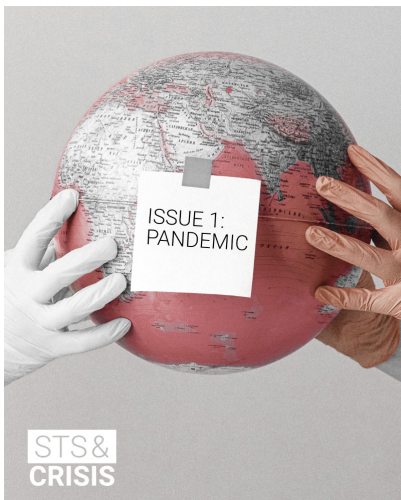
What is the role of science and technology studies in a crisis? What do crises reveal about expertise in society? To address these questions in the light of current events, the Program launched STS&Crisis, an online media project. Each issue collects short responses and reflections from Harvard STS Fellows and international contributors, including recently an essay by **Shiv Visvanathan** (Jindal Global University) and several comparative analyses of national COVID policies. The current issue, PANDEMIC, is focused on the events of 2020 and was edited by **Matthew Sample**, **Anna Nguyen**, and **Kasper Schiølin**.

Visit our journal site to read the first issue and learn more about the project.

Events and Initiatives (cont.)

STS Circle

In Fall 2020, the STS Circle moved online, taking on a new and markedly more international character. While the weekly event has long been a lodestar for Cambridge locals and Harvard regulars interested in STS, the constraints of the pandemic also made the Circle accessible to a wider audience eager for deeper insights into the interactions between science, technology, and governance. This demand only increased with the layering of ongoing public health challenges, with the stresses of a presidential election and other ongoing global crises. The Circle now routinely welcomes upwards of 60 attendees, signing in from Europe, Brazil, India, South Korea, and beyond. Our digital format also enabled us to convene speakers across time zones and regions, including a panel event *Vocabularies of Science and Democracy: On the Cusp of Change*, with **Sheila Jasanoff**, **Ben Hurlbut** (ASU), and **Kris Saha** (UW-Madison) on November 2, 2020. The complete STS Circle program is available here.

Director's News

As STS Program director, Sheila Jasanoff was responsible for ensuring that the switch from real to virtual did not siphon away the Program's intellectual and social energies, which have always rested within its growing community of Fellows and its ever-expanding network of students and colleagues around the world. Fortunately, with a contingent of eager and accomplished students and postdocs to help with programming, she was able to devote some time to research and writing, producing articles in the *Journal of the Philosophy of History*, *Cahiers Droit: Sciences & Technologies*, and *Globalizations*, and an open source chapter on the politics of future making.

In the summer of 2020, Jasanoff was elected Corresponding Fellow of the British Academy.

Science and Democracy Network
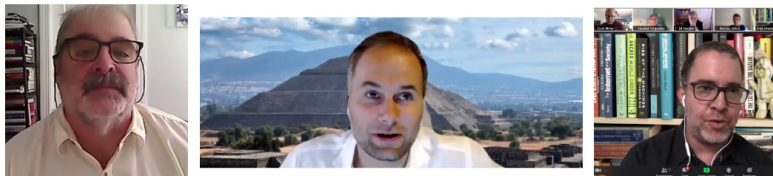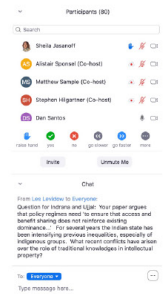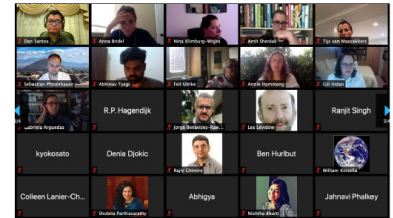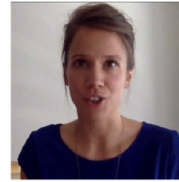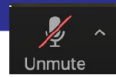
Zoom collage produced by Clark Miller
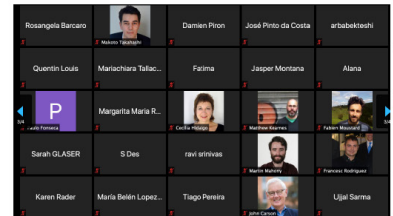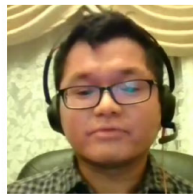
Annual meetings of the **Science and Democracy Network (SDN)** are a highlight of the year for STS@Harvard. This year, to our great disappointment, we had to cancel the long-planned meeting in Copenhagen. SDN made the best of virtuality, however, to reach members of the Network who had previously been unable to attend physical meetings in Cambridge and Europe. Attendance for the **19th Annual Meeting** on August 12-14 easily broke records, with around 200 participants logging in each day of the meeting. The papers demonstrated the breadth of SDN concerns, with sessions on democratic imaginations, knowledge and citizenship in Latin America, futures and forecasting, digital citizens and publics, embodied and lawful knowledges, and knowledge in action. Three plenary sessions addressed STS in a time of crisis, comparative methods, and teaching STS online. Some of the conviviality of the regular meetings was recreated with interactions before and after each session, as well as through the Slack messaging platform.

The Senior and Junior Councils are exploring ways in which this year's technical innovations can be adapted to continue bringing members from around the globe and to stage supplementary gatherings outside the Annual Meeting. The STS@Tea series is one result of these reflections.

The next SDN meeting, again contingent on COVID-19 restrictions, is planned to be held in Copenhagen on June 23-26, 2021.

Training and Curricular Activities

STS Graduate Fields

The Program supports two graduate training opportunities: the Science, Technology, and Policy Studies (STePS) special field in the Public Policy Ph.D. program, and the Graduate Secondary Field in STS. The 2020 Secondary Field graduates included: **Michelle Frank**, with a capstone on "The DNA of Difference: Causality and Controversy in the Genetic Study of Human Behavior"; **Shuang Lu Frost**, with an STS Circle talk on " Moralizing Disruption: China's Ride-Hailing Revolution"; **Ben Green**, with a capstone on "The Ethics of Tech Ethics: A Sociotechnical Approach to Ethics and Technology in Action"; **Karen Huang**, with an STS Circle talk on "Computational Social Science: 10 Years Later"; **Jonathan Moch**, with an STS Circle talk on "Black Carbon, Climate, and Air Quality: An Unwinnable 'Win-Win' Solution"; and **Jacob Moses**, with an STS Circle talk on "Remaking the Regretful Agent: Cancer Surgery, Medical Harm, and the Role of Affect in Therapeutic Reversals."

Visit our website to read about some of our students' experiences with the graduate programs, and learn how to apply.

Tenth Annual STS Undergraduate Essay Contest

The annual STS Undergraduate Essay Contest recognizes original, independent research in STS at the undergraduate level for students in any field at Harvard. STS Fellows carefully read and evaluate each submission and award three prizes. This year's competition featured several dozen submissions.
Eve Driver (Social Studies '20) won the STS Undergraduate Prize for her essay, "Narrative Apocalypse: Cape Town's 'Day Zero' and the Politics of Climate Change Attribution." Honorable mentions were awarded to **Leena Ambady** (History and Science '20) for "Environmentalists Against Science?: The Silicon Valley Toxics Coalition and the Recombinant DNA Threat" and to **Sandra Ojeaburu** (Human Evolutionary Biology and Social Anthropology '20) for "Deconstructing Medicalization: The Collision of Birthing Modalities in Black Maternal Health."

STS Research Seminar
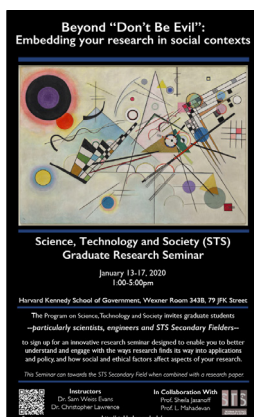
As part of the Ethics in the Lab research project, funded by Schmidt Futures, **Sam Weiss Evans** and **Christopher Lawrence** designed and ran a week-long research seminar called "Beyond 'Don't be Evil': Embedding your Research in Social Contexts" in January 2020. Attended by 8 researchers, mostly mid-level graduate students, the seminar enabled the participants to better understand and engage with the institutional channels through which research finds its way into applications and policy. In the process, students experienced in depth how social and ethical factors affect aspects of their research. The seminar included discussions with a wide range of guests and a visit to the Boston synthetic biology startup Gingko Bioworks. The Program plans to offer the seminar virtually in January 2021.

Research News

Global Observatory for Genome Editing

This new initiative, led by **Sheila Jasanoff** (Harvard STS), **J. Benjamin Hurlbut** (ASU), and **Krishanu Saha** (UW-Madison) was funded by the John Templeton Foundation. It grew out of an April 2017 meeting at the Harvard STS Program entitled "Editorial Aspirations: Human Integrity at the Frontiers of Biology." That meeting generated a widely noticed call by Jasanoff and Hurlbut in *Nature* in 2018 to create a new infrastructure for broader conversations about human germline editing (and related technologies) than those originating from scientific research agendas. The Observatory has three main objectives: (1) to convene diverse scholarly communities and publics to engage with questions on novel biotechnologies that touch upon human identity and integrity; (2) to serve as a clearinghouse to collect, curate, and make widely accessible the range of efforts currently underway to explore the ethical and policy implications of those technologies; and (3) to provide analysis of key issues, concepts, convergences, and variations in emerging law, policy, and public debate across jurisdictions. Joining the three principal investigators at the Observatory's inception are **Alistair Sponsel** as program manager and **Matthew Sample** as postdoctoral researcher. Follow @GenomeObserv for updates. A website will be launched in early 2021.

Traveling Imaginaries of Innovation

Funded by a grant from the US National Science Foundation, this project continues a comparative study of innovation policies in a dozen cities around the world under PI **Sheila Jasanoff** and project co-leaders and former STS Fellows **Margo Boenig-Liptsin** (UC Berkeley) and **Sebastian Pfotenhauer** (Technical University of Munich). A planned meeting of contributors to an edited volume on the significance of the "Silicon Valley" model of innovation was postponed because of the COVID-19 pandemic, but we are optimistic about completing the project in 2021. Joining the project this year was **Alistair Sponsel** (Harvard STS), who will coauthor a case study of Cambridge, UK.

CURRENT FELLOWS

Nicole West Bassoff
Ph.D. Candidate
Public Policy, Harvard Kennedy School

Jorge Benavides-Rawson
Ph.D. Candidate
Anthropology, George Washington University

Gabriel Dorthe
Postdoctoral Research Fellow
Institute for Advanced Sustainability Studies, Potsdam

Sam Weiss Evans
Senior Research Fellow
STS Program

August Lindemer
Ph.D. Candidate
Sociology Studies, University of Sheffield

August Lindemer
Ph.D. Candidate
Sociology Studies, University of Sheffield

Ethics in the Lab

With funding from Schmidt Futures, the STS Program embarked on a 3-year project on "Ethics in the Lab," developing generative models for integrating path-breaking work in technological design with continuous, informed reflection on its potential ethical, legal, and social aspects that can be extended to other innovation centers. In the first year of the project, significant progress was made in three interrelated areas: research and publication; policy engagement; and pedagogical innovation. Research focused on three areas: the global nuclear and biosecurity communities; the gene drive research community; and an area of meta-research on the ways that STS researchers engage with the communities they study. Publications from project researchers **Sam Weiss Evans** (link) and **Christopher Lawrence** (link) appeared in *Science* and *Social Studies of Science*. Evans engaged in several policy areas, including as a member of the Legal, Ethical, Environmental, Dual-use, and Responsible researcher (LEEDR) advisory panel for DARPA's Safe Genes program. Project members designed and taught the undergraduate course ES28: Science, Technology, and Society, which has been converted to a General Education course to be taught in the Spring of 2021.

Comparative COVID-19 Response: Crisis, Knowledge, Policy (CompCoRe)

The CompCoRe project was launched by **Sheila Jasanoff** (Harvard STS) and **Stephen Hilgartner** (Cornell University) in May 2020. It is funded by the National Science Foundation and Schmidt Futures. As one of the largest studies of the COVID-19 pandemic, the project seeks to explain variation in the successes and failures of policy responses to the pandemic from a Science, Technology, and Society (STS) perspective. CompCoRe brings together 49 researchers from 16 countries on five continents: Australia, Austria, Brazil, China, France, Germany, India, Italy, Japan, the Netherlands, Singapore, South Korea, Sweden, Taiwan, the United Kingdom, and the United States. Indonesia, Peru, and a five-country African research team participate in the project as Affiliates.

FELLOWS
cont.

Alana Lajoie O'Malley
Ph.D. Candidate
Sociology, University of Ottawa

Onur Ozgode
Senior Research Fellow
STS Program

Pariroo Rattan
Ph.D. Candidate
Public Policy, Harvard Kennedy School

Matthew Sample
Senior Research Fellow
STS Program

Dan Santos
Ph.D. Candidate
Geography, Clark University

Shelley Simana
SJD Candidate
Harvard Law School

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

Governance of Sociotechnical Transformations (GoST)

GoST is a collaborative project funded by the Belmont Forum examining transformations to sustainability (T2S) in five countries (Germany, India, Kenya, UK, US) in three areas (energy systems, agriculture, and urban digital infrastructures). This year GoST hosted a January event in Bangalore, India in collaboration with a local partner organization, the Environment Support Group (ESG), headed by **Leo Saldanha**. The Bangalore workshop created conversations between academics, local activists, policy experts and government officials through four Indian case studies in sustainable development: the government's deployment of clandestine nuclear facilities; the purchase of land from poor farmers for a massive solar park; the loss of humanity in visions of "smart cities"; and the recurrent problems of farming with GMO and CRISPR technologies. A workshop report was prepared by HKS Ph.D. student **Hilton Simmet** under **Sheila Jasanoff**'s supervision. The event has generated a series of spin-off video blogs and newspaper interviews, signaling success in establishing critical dialogue between research and practice in the global North and South.

Trust in Science

The STS Program began a collaboration with the Harvard Data Science Initiative to run a research project on Trust in Science, with **Sheila Jasanoff** as faculty lead and **Sam Weiss Evans** as program coordinator. At a time of seemingly widespread loss of confidence in science and expertise, the Project seeks to illuminate the varied factors that impede trusting relations between the producers and users of scientific information. It leverages data science, STS, and related disciplines to analyze the breakdowns in public trust, and to ask what steps could be taken to promote better mutual understanding. The Project supports faculty-led research efforts, workshops, conferences, symposia, and external engagement to amplify the impact of funded work.

Fellow Milestones

Erik Aarden (2014) has started a tenure-track position at the Department of Science, Technology and Society Studies of Alpen-Adria University in Klagenfurt, Austria.

Alberto Aparicio (2017) is currently a postdoctoral research fellow at the Instituto de Investigación de Recursos Biológicos Alexander von Humboldt in Colombia, where he is researching the ways in which bioeconomy policies in Colombia relate to the study of the country's biodiversity.

Ruha Benjamin (2012) was promoted to full professor in the Department of African American Studies at Princeton University, where she is the Founding Director of the Ida B. Wells JUST Data Lab. Her book, *Race After Technology*, won the 2020 Brooklyn Public Library Literary Award for Non-Fiction, American Sociology Association Section on Race & Ethnic Minorities' 2020 Oliver Cromwell Cox Book Award, and Honorable Mention by the Section on Communications, Information Technologies and Media Sociology (CITAMS). Her forthcoming book, *Viral Justice: How We Grow the World We Want*, is under contract with Princeton University Press (2022).

Adam Bly (2013) sold his data science company, Seed Scientific, to Spotify and subsequently led data there. He recently founded System, a Public Benefit Corporation reinventing how we organize and discover data and knowledge.

Margo Boenig-Liptsin (2010, 2016) was awarded a 10-month fellowship beginning September 2021 at the Paris Institute of Advanced Study to work on a new research project, "Dignity at Risk: Discovering the human in algorithmic risk scores." It's a welcome opportunity to focus on research and writing after a few intense years of teaching and STS-building in UC Berkeley's Division of Computing, Data Science, and Society.

Michael Aaron Dennis (2018) has two joint publications that might interest the collective: "A modest proposal? Defunding or Disbanding the US Military as Responses to National Failure," Michael A. Dennis and Anand Toprani, *The National Interest*, 24 August 2020; and "An Alternative/Alternate History of the U.S. Response to COVID-19," Michael A. Dennis and Anand Toprani.

Tess Doezema (2018) completed her Ph.D. at Arizona State University in the Human and Social Dimensions of Science and Technology. She was subsequently awarded the TUM University Foundation Fellowship, allowing her to join the Innovation, Society & Public Policy group at MCTS/TU Munich as a postdoctoral researcher.

Gabriel Dorthe (2020) is a returning Fellow in the STS Program, with a postdoctoral research project funded by the Swiss National Foundation, co-affiliated with IASS Potsdam, on solar geoengineering and conspiracy theories.

Friederike Gesing (2012-2013) is now Assistant Professor of Human Geography, with a special focus on Posthuman Studies, at the Department of Geography and Regional Science at the University of Graz (Austria), where she also joined the Centre for Sustainable Social Transformation as an associate member.

Mads Dahl Gjefsen (2011-2013) is now a researcher at Ruralis-Institute for Rural and Regional Research in Trondheim, Norway. He co-authored: Shelley-Egan, Clare, Mads Dahl Gjefsen, and Rune Nydal. "Consolidating RRI and Open Science: understanding the potential for transformative change." in *Life Sciences, Society and Policy*, and Markusson, Nils Olof, David Peter Tyfield, Jennie Stephens, and Mads Dahl Gjefsen. "Promises of climate engineering after neoliberalism." In Sapinski, J.P., Holy Jean Buck, and Andreas Malm (editors), *Has It Come to This?: The Promises and Perils of Geoengineering on the Brink*.

Fellow Milestones

Alissa J. Haddaji (2017) was appointed Lecturer on Law at Harvard Law School, where she teaches Space Law and Policy. She was selected by the United Nations Office of Outer Space Affairs as a Space4Women Network Mentor.

Ido Hartogsohn (2017) published his new book with MIT Press called _American Trip: Set, Setting and the Psychedelic Experience in the 20th Century_.

Pru Hobson-West (2006), Associate Professor, is based in the Institute for Science and Society at the University of Nottingham, UK. In 2019 Pru was a Visiting Academic in the Department of Sociology at the University of Warwick. She is currently working on the Animal Research Nexus programme, funded by a Wellcome Trust Collaborative Award and also has research leave to explore controversies in human and animal vaccination funded by a University of Nottingham Wellcome Trust Prime Scholarship. Pru has recently joined the editorial board of _The Sociological Review_.

Johanna Höffken (2010) won the prestigious "Lecturer of the Year" prize in June 2020, awarded by the Dutch Ministry for Education, Culture and Science for her innovative course on Responsible Innovation at Eindhoven University of Technology (TU/e). In September 2020 Johanna was appointed to the Eindhoven Young Academy of Engineering, a network of excellent young scientists, designers and engineers at TU/e.

Dustin Holloway (2011) has recently taken on a role as Global Lead for Technology Ethics at Takeda. This is a milestone in his career because he had been a Director and team leader in "Data Science and Management Solutions" at Sanofi until this September. In his new role he'll be able to draw on the repertoire of knowledge gained in the Fellows Program.

Karen Huang (2019-2020) completed her Ph.D. in Organizational Behavior, with a secondary field in STS, from Harvard. In August, she started as a tenure-track Assistant Professor in Ethics at Georgetown University's McCourt School of Public Policy.

Kamilla Karhunmaa (2017-2018) is finishing her Ph.D. on energy policy debates in Finland at the University of Helsinki. She published two articles, one of which, "Performing a linear model: the professor group on energy policy" benefited from discussions at Harvard and SDN. Thanks all!

Tara Mahfoud (2019) joined the Department of Sociology at the University of Essex as a Lecturer (Assistant Professor) in July 2020, and published the article she worked on during her fellowship: "Visions of Unification and Integration: Building Brains and Communities in the European Human Brain Project," in _New Media and Society_.

Nico Miailhe (2016) has been hard at work for the past three years growing The Future Society into an influential global think and do tank focused on the governance of AI and other emerging technologies. More on TFS's current work and recent accomplishments here.

Jacob Moses (2015-2017) earned his Ph.D. in History of Science, with a secondary field in Science, Technology and Society, from Harvard. He is currently a postdoctoral fellow at Johns Hopkins University's Institute of the History of Medicine and Center for Medical Humanities and Social Medicine.

James Parker (2017) started work in 2020 on a multiyear grant project investigating 'The Laws and Politics of Machine Listening'. This research brings STS methods and insights to the rapidly growing field of audio AI. Further details here.

Fellow Milestones

Sebastian Pfotenhauer (2013) recently received tenure at the Munich Center for Technology in Society (MCTS), TU Munich, where he is now an Associate Professor for Innovation Research. In conjunction with his tenure promotion, he was also appointed MCTS co-director. In his new role, he is currently preparing the ground for the launch of a new STS Department at TU Munich to be founded (hopefully) in October 2021.

Lina Pinto-García (2019) is happy to share the fantastic news that the British Academy has awarded a grant to explore the entanglements between leishmaniasis, coca cultivation, and Venezuelan migration in (post)conflict Colombia to her, Javier Lezaun, Ann Kelly, and Diana Ojeda. This new collaborative project explores the crucial links between this disease and illicit economies by situating leishmaniasis within the politics of coca cultivation and eradication and in relation to the health status of populations whose labor is linked to the production and destruction of coca plants in Colombia.

Melike Şahinol (2009) completed her project "eHealth: digital self-tracking practices and socio-cultural dimensions in Turkey." Her new project, funded by the German Ministry of Education and Research, "Cartography of Hair:y_less Masculinities: A comparison between the Islamic Republic of Iran and the Republic of Turkey," is focusing on somatechnics of male hair removal and transplantation practices and country-specific socio-cultural and political differences. Recently, her article "My Cyborg Performance as a Techno-Cerebral Subject" has been published in "Modified: Living as a Cyborg" by Routledge Publishing (2020). She co-edited the first STS handbook in Turkish, which includes 20 chapters mainly about STS research in Turkey for Turkish speakers. Melike continues to work on the establishment of STS in Turkey. She is currently expanding her collaborations to Iran and other countries in the Near and Middle East.

Juan Santa Cruz (2016) has been the executive director of the National Training and Employment Agency in Chile since 2018.

Melanie Smallman (2015) was appointed Associate Professor, Science and Technology Studies at University College London.

Geneva Smith (2018-2020) began a 3-year postdoc at Dartmouth in the program on Ecology, Evolution, Environment and Society, where she will be leading an STS reading group this winter.

Holger Strassheim (2014), Professor of Political Sociology at Bielefeld University, was elected co-director of the Institute for World Society Studies at Bielefeld University. Together with Jessica Pykett, University of Birmingham, and Robert Lepenies, Helmholtz Centre for Environmental Research, he launched a new project on "Ethics and Expertise in Times of Crisis." The project dissects the intertwinement of politico-epistemic controversies and ethical dilemmas in the COVID-19 pandemic from an international comparative perspective. Bielefeld University is funding the project with a strategic grant.

Samantha Vanderslott (2015) made an animation called "The Adventures of Alice in Typhoidland" which won the Bristol Science Film Festival Best Factual Film prize. With colleague Tatjana Marks she published on vaccination policy for yellow fever: "Vaccine entry requirements as a disease control measure: Lessons from yellow fever," *Global Public Health* and "Health diplomacy across borders: the case of yellow fever and COVID-19," *Journal of Travel Medicine*.

Fellow Milestones

Roxana Vatanparast (2020-2021) completed her Ph.D. in Law and Institutions at the University of Turin in October 2020.

Gili Vidan (2015) published an article this past summer in a special issue of IEEE Annals of the History of Computing on "Computing Capitalisms" based on work she presented at SDN in Munich a couple of years ago. Next July, after spending more than a decade in Cambridge, MA, she will be leaving to join the faculty at Cornell's Information Science department in Ithaca, NY.

Trina Vithayathil (2012-2013) was promoted to Associate Professor of Global Studies and now chairs of the Department of Global Studies at Providence College.

Madi Whitman (2018-2019) started a position at Columbia University in the Center for Science and Society as a Postdoctoral Research Scholar and Assistant Director of Co-teaching.

Dmitrii Zhikharevich (2018) successfully defended his Ph.D. at the LSE on March 25, 2020. His thesis, "Heuristics of Capital: A Historical Sociology of U.S. Venture Capitalism, 1946-1968," was examined by Bruce Carruthers and Fabian Muniesa, resulting in a pass with no corrections (which doesn't happen very often!). His time at Harvard informed his writing in crucial ways and continue to shape his thinking and research. He received a postdoc position at the European University in St Petersburg (Russia), with Russia's first STS research center, where he is involved in a new project on climate change. This year, the center organized a public seminar where some of Russia's leading climate scientists speak about climate change, addressing an audience of social scientists and humanists, as well as the public at large. More details can be found here. The seminar recordings are available from YouTube; alas, only in Russian, although sometimes with automatically generated subtitles.