

Program on Science, Technology & Society

Harvard Kennedy School **Fall 2021** Harvard University

WELCOME FROM THE DIRECTOR

Dear Friends of STS@Harvard,

This time last year, none of us thought that COVID-19 would reach into the capillaries of our personal and professional lives for another 12 months, turning the orderly rhythms of existence into one long struggle with uncertainty. Another year of the pandemic has tested our resilience in novel ways. In our STS world, it has been hard on families with schoolchildren, students and colleagues separated from families, graduate students working on theses, new job seekers on the market, and anyone craving opportunistic encounters or casual meetings over real coffee.

Lecturing to masked students, often from behind one's own mask, almost made one nostalgic for the Zoom world, where smiles can be seen and eye contact is not the only expressive connection. As this year ends on the Omicron wave, there is no telling when things will get back to "normal." Even miracle vaccines, we learned, do not guarantee safety, and the protection they undoubtedly offer was not equally available to all members of our community.

But necessity breeds invention. I am pleased to report that many good things happened in the Program in 2021 as the shock of last year wore off. We discovered new ways to build connection, even intimacy, in a world turned suddenly virtual. Like nomads, we learned the pleasure of gathering in tents that sprang up all around Harvard. We improvised. We continued to convene. Here are some highlights, but please read more:

- We ran our first virtual **STS Summer School**, reaching hundreds of students, all hungry for exposure to cutting-edge work on "expertise, trust, and democracy."
- Attendance at the weekly **STS Circle** jumped to over 70 most weeks, and former Fellows who miss our gatherings reported great happiness at being able to reconnect
- **STS@Tea**, now in its second year, allowed us to draw senior scholars who never could have committed time for travel to Cambridge.
- The **GRiSTS network** promoting graduate STS research consolidated its presence on the STS scene with a rich and remarkably varied program for its second virtual meeting.
- The **Science and Democracy Network** also held its annual meeting online, building on last year's experiences with virtual programming. Once again, the ability to reach distant colleagues who could not normally travel was a heartwarming "pro" to set against all the many "cons" of virtuality.

Still, there is no doubt that we are COVID-weary and long for the return of simple things: coffee breaks, brown bag seminars, freedom to travel, and release from testing and tracing. May 2022 restore many of our old, familiar routines. Above all I hope that you, our readers, stay safe and well to enjoy the good that the New Year surely will bring.



Sheila Jasanoff

UPCOMING EVENTS AND DEADLINES

January 31, 2022

Deadline for non-stipendiary fellowship applications to STS@Harvard

July 24-27, 2022

STS Summer School in Cambridge, MA

July 27-30, 2022

21st Annual Meeting of the Science and Democracy Network in Cambridge, MA

Find out more online



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 technological achievements and the potentially harmful consequences of developments that are inadequately understood, debated, or managed 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.

Tim O'Reilly

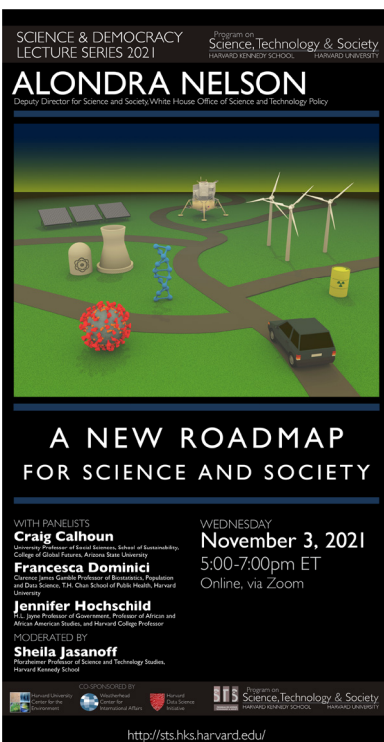


April 21, 2021

The Spring 2021 Science & Democracy lecture, “Mastering the Demons of Our Own Design,” was delivered by **Tim O'Reilly**, founder of O'Reilly Media, a leading publisher of technical books and prominent online learning platform. O'Reilly argued that algorithms and markets are within our own power to change. Since large segments of the economy are governed by algorithmic platforms and not “free markets,” these platforms can be re-designed to address collective problems rather than optimized for maximum profits. Moderated by **Sheila Jasanoff** (Harvard STS), the following panel discussion featured comments by **David Winickoff** (Senior Policy Analyst at the OECD) and **Cathryn Carson** (Thomas M. Siebel Presidential Chair in the History of Science at University of California, Berkeley). The virtual lecture brought together 150 attendees from the Harvard community and around the world.

Watch the Lecture

Alondra Nelson



November 3, 2021

The Fall 2021 Science & Democracy lecture featured **Alondra Nelson**, inaugural Deputy Director for Science and Society in the White House Office of Science and Technology Policy (OSTP). Nelson was formerly president of the Social Science Research Council (SSRC) and is Harold F. Linder Chair and Professor in the School of Social Science at the Institute for Advanced Study in Princeton, NJ. Her lecture, “A New Roadmap for Science and Society,” showcased how the OSTP in the Biden-Harris Administration is restoring trust in science and government through policies that uphold scientific integrity and reflect democratic values, such as equity and social justice. Nelson examined topics, from equitable data to upholding rights in an automated society and highlighted the work of the White House Scientific Integrity Task Force. The lecture was followed by a panel which included **Craig Calhoun** (Arizona State University), **Francesca Dominici** (Harvard), and **Jennifer Hochschild** (Harvard). In a spirited discussion, moderated by **Sheila Jasanoff** (Harvard STS), the panel questioned Nelson about how her efforts might cure problems of environmental degradation, market unfairness, and failures of democracy.

Watch the Lecture

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 (WCFA), 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)



The 2021 [Graduate Research in STS](#) (GRiSTS) conference, held on October 28-30, was hosted by Harvard Kennedy School Ph.D. students ([Nicole West Basso](#), [Pariroo Rattan](#) and [Hilton Simmet](#)). This second GRiSTS conference brought together students from programs and universities across the Northeast and beyond in a growing network of STS graduate research. The theme for this year—Disrupted Lives: Linking, De-linking and the Infrastructures of Recovery—explored how the coronavirus infiltrated and modified the infrastructures that sustain health, economies, modes of governance, and visions of post-pandemic futures. The organizers

were thrilled to welcome **Patricia Williams** (Northeastern University School of Law) as the first GRiSTS keynote speaker. Her address, “The Body on Empty,” eloquently explored technological mediation and self-reflection in the time of COVID. While welcoming 200 registered virtual participants, the conference also offered an outdoor reception at Harvard Kennedy School for local attendees. The organizers hope that this will be the first of many “in-person” events for the emerging GRiSTS network.

STS Summer School



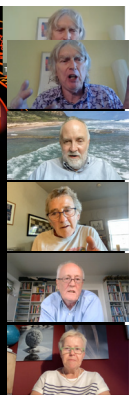
@ Harvard

Put on pause in the first year of the pandemic, the [2021 STS Summer School](#) took place online August 2-4 & 9. In three days of intensive programming, the Summer School introduced students to the essentials of STS thinking to

address issues of expertise, trust, and democracy that confront young scholars and policy professionals across many contemporary areas of science and technology. With a stellar lineup of [faculty](#), the [2021 Program](#) covered a diversity of topics, from scientific controversies to science and activism. It featured a case study of the “Lab Leak” hypothesis for the origin of COVID-19 with **Alina Chan** (MIT), **Nicholson Baker**, **Andrew Lakoff** (University of Southern California), and **Antoni Regalado** (MIT Tech Review) reflecting on media coverage of the story. The Summer School welcomed [25 eager students](#) to its selective Certificate Program, while also serving over 200 students who were registered to attend the basic event. The Summer School is supported by a generous grant from the [Hewlett Foundation](#) and is run in collaboration with the [Institute for Global Law and Policy](#) at Harvard Law School. The next Summer School is currently planned to be held in person in Cambridge, MA, from July 24-27, 2022.

Controversies involving impact of science on society?

- Controversies involving impact on the wider society provide more discursive resources, more forums of debate, more relevant publics. The impact of social media is huge!
- Unlike controversies within science such disputes are much harder to reach closure over.

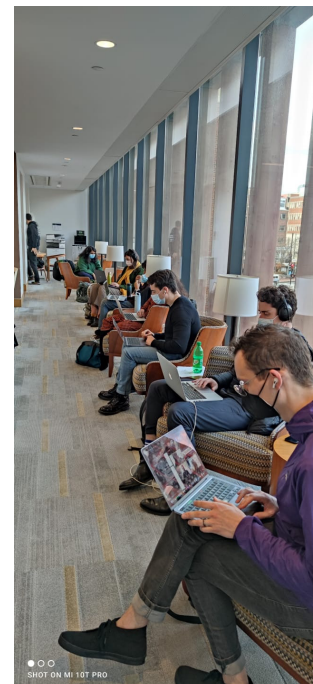


Events and Initiatives (cont.)

STS@Tea



For the second year in a row, STS@Tea provided a virtual space for conversation on urgent issues relating to science, technology and the human future. The virtual format allowed Fellows and members of the extended Harvard STS community to discuss a variety of challenges confronting modern societies with distinguished senior scholars in STS and adjacent fields. In Spring 2021, STS@Tea and the [Comparative Covid Response](#) (CompCoRe) project co-invited **Adam Tooze** (Shelby Cullom Davis Chair of History and Director of the European Institute, Columbia University) for a talk on “Triple Shock: COVID as a Crisis of Public Health, Politics and the Economy.” In Fall 2021 **Andrew Lakoff** (Professor of Sociology, University of Southern California) shared his reflections on “Reimagining Risk through COVID-19.”



Invented to serve the wider STS community during the pandemic, STS@Tea has proved to be a draw for worldwide audiences and will remain a feature of the Program's regular offerings.

STS Circle

The [STS Circle at Harvard](#) continued to engage contemporary issues in science and technology virtually during the Fall of 2021, with support from the Graduate School of Arts and Sciences and the Weatherhead Center for International Affairs. The Fall Circle line-up included 11 junior scholars and senior faculty working in STS and related fields, including law, philosophy and history of economics. Circle speakers featured current and former Fellows, with presentations from **Jack Hensley** (*Geoengineering the Climate with a Human-made Volcano*), **Gabriel Dorthé** (*Sociotechnical Promises and Their By-Products*), **Onur Özgöde** (*Fractals of Governance: The Management of Systemic Risk at the Limits of Liberalism, 1913–2010*), and **Alex Wellerstein** (*How to Lose a Lot of Weapons-Grade Uranium and Get Away With It*). While entirely virtual this semester, the STS Circle also brought speakers and local friends of Circle together at an outdoor reception at the Harvard University for the Environment on October 18.



Director's News

STS Program Director Sheila Jasanoff was elected to both the American Academy of Arts and Sciences and the American Philosophical Society (APS) in 2021. Despite the pandemic, she maintained an active schedule of public lectures and presentations, including the [William D. Carey lecture](#) of the American Association for the Advancement of Science (“A Democratic Republic of Science”) and the keynote talk at the APS annual meeting (“[Science and the People: A Constitution for Our Time](#)”). Most importantly, in recognition of her service to the graduate student community across various schools and departments at Harvard, Sheila was awarded a 2020-2021 [Everett Mendelsohn Excellence in Mentoring Award](#); read more [here](#).

For a fuller account of her research, writing, and service, visit her [website](#).



Top: Sheila and her mentees. Bottom: A special toast at SDN for Sheila Jasanoff on her election to both the American Philosophical Society and the American Academy of Arts and Sciences

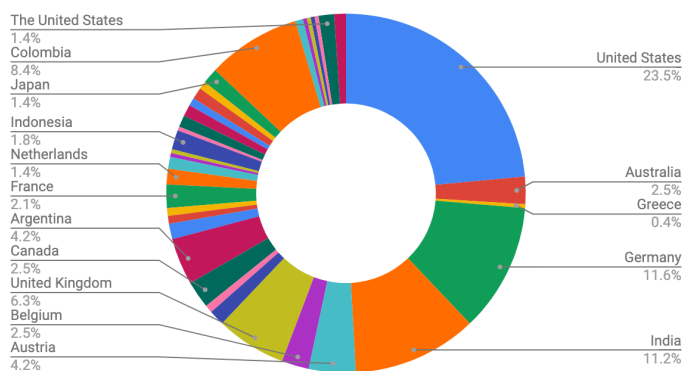
Science and Democracy Network

SDN Science and Democracy Network 2021 Annual Meeting

The [20th Annual Meeting](#) of the Science and Democracy Network (SDN) was held virtually on June 23-23. The meeting attracted nearly 100 attendees, over half of whom came from outside the US and the EU. This can be counted among the outstanding successes of the STS Program in the Zoom era. The plenary sessions included “STS in the Wild,” a look at how STS insights appear unbidden like rare creatures in the field, and “Stress Tests for Democracy: Covid-19 and Comparative Social Compacts,” comparing transnational responses to the pandemic. SDN also held mentoring sessions for over 30 graduate students, connecting junior and senior scholars, and a pedagogy panel that explored the teaching of STS in diverse disciplinary settings.



Count of Country/Region Name



The next SDN Meeting is currently planned for **July 27-30, 2022 in person in Cambridge, MA**, immediately after the STS Summer School.

Training and Curricular Activities

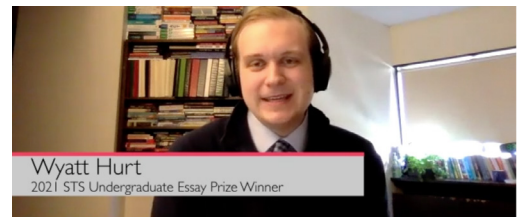
STS Graduate Fields

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 2021 Secondary Field graduates included: **Colleen Lanier Christensen** with an STS Circle talk on “Chemical Harmonies: The Politics of Standardized Practices and Controls”; **Jack Hensley** with an STS Circle talk on “Geoengineering the Climate with a Human-made Volcano”; and **Olivia Foster Rhoades** with a capstone talk on “Selection for Perfection: Biocensorship of Future Generations.”

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

Eleventh Annual STS Undergraduate Essay Contest

The annual [STS Undergraduate Essay Contest](#) drew several dozen submissions from Harvard undergraduates concentrating in subjects ranging across the humanities and natural and social sciences. The winner of the 2021 Contest was **Wyatt Hurt** (joint concentrator in Environmental Science & Public Policy and Near Eastern Languages & Civilizations) for his essay, “Global Eyes, Global Waters: Remote Sensing and the Politics of Transboundary Water Governance.”



Honorable mentions went to: **Connor McRobert** (Environmental Science & Public Policy) for his work on “Contested Imaginaries: A Co-Productionist Theory of Climate Change Litigation and the Emergence of a Novel Normative Experiment”; **Judy Durkin** (History of Science) for “The Necessity of an Unnecessary Procedure: Joseph B. DeLee’s Routine Episiotomy and the Rise of Obstetrics as a Medical Specialty”; and **Eva Rosenfeld** (Art, Film, and Visual Studies/Women, Gender, and Sexuality Studies) for her essay “From Disorderly Science to Risky Subjects: A Techno-Scientific History of Carceral Rehabilitation Since 1974.”

Learn more about the prize and watch the winners speak about their work [here](#).

STS Graduate Research Seminar

As part of the Ethics in the Lab research project, funded by Schmidt Futures, **Sam Weiss Evans** and **Jonathan Moch** continued the week-long graduate research seminar called “Beyond ‘Don’t be Evil’: Embedding your Research in Social Contexts” in January 2021. Attended by 11 researchers, mostly mid-level graduate students, the seminar offered opportunities for participants to reflect on and engage with the institutional channels through which research finds its way into applications and policy. Through focused engagement between their own research and STS concepts introduced during the week, students rapidly developed analytic skills and practical pathways to continue their involvement with social issues after the seminar. The seminar is becoming a productive avenue for students to enter the Graduate Secondary Field in STS.



2021 students gathered for the first time at the STS Open House

Global Observatory for Genome Editing



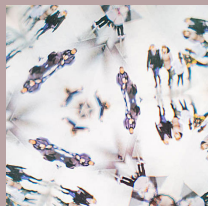
GLOBAL OBSERVATORY
for Genome Editing

The [Global Observatory for Genome Editing](#) has begun to fulfill its

vision of broadening deliberation on the meaning of the dignity and integrity of human life in the face of advances in genome editing and related technologies of human enhancement. In Fall 2021 the Observatory welcomed two Postdoctoral Fellows ([Alberto Aparicio](#) and [Andy Murray](#)) who will work on the Observatory's three principal aims of curation, convening, and analysis. Curated collections of resources addressing key social and political dimensions of genome editing will shortly begin appearing on the Observatory's website. The latest convening organized by the Observatory was a virtual workshop on December 10, "[A Question of Life: Human Dignity, Reproductive Rights, and Abortion Politics](#)" to discuss and contextualize developments around abortion liberalization in Latin America and beyond. The Observatory welcomed two new board members, **Jahnvi Phalkey** and **Christiane Woopen**, as part of its growing global network of advisers.

Follow [@GenomeObserv](#) for updates, and [sign up to our mailing list](#).

Governance of Sociotechnical Transformations (GoST)



The [Governance of Sociotechnical Transformations](#) (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). While still unable to meet in person, the PIs continued to supervise junior scholars and to participate in virtual events such as an online workshop on smart cities organized by project partner Leo Saldanha of ESG India. Visit the project website for a more detailed account of events, presentations, and publications emerging from the GoST team.

CURRENT FELLOWS

Abhigya

Ph.D. Candidate
Indian Institute of Technology,
Delhi

Alberto Aparicio

Postdoctoral Research Fellow
Global Observatory for
Genome Editing
Harvard STS Program

Nicole West Bassoff

Ph.D. Candidate in Public Policy
Harvard Kennedy School

Gabriela Bortz

Assistant Professor
National Science Council,
Argentina

Regula Valérie Burri

Professor
Hafen City University, Hamburg

Austin Clyde

Ph.D. Candidate
University of Chicago

Gabriel Dorthé

Postdoctoral Researcher
Harvard STS & IASS, Potsdam

Karl Dudman

Ph.D. Candidate
University of Oxford

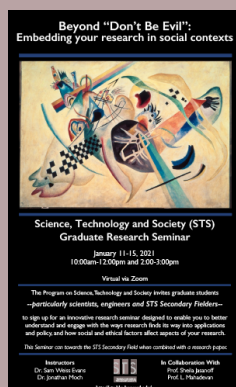
Comparative COVID-19 Response: (CompCoRe)



The [Comparative Covid Response](#) (CompCoRe) project, launched in 2020, presented its [Interim Report](#) to the [Futures Forum on Preparedness](#), Organized by [Schmidt Futures](#), the Forum featured Principal Investigators **Sheila Jasanoff** (Harvard STS) and **Stephen Hilgartner**

(Cornell University), who delivered the report to an audience of noted policy makers, academics, and public health philanthropists. WHO Director-General **Tedros Ghebreyesus** complimented the project team in his opening remarks. Drawing together some 60 researchers from sixteen countries, the project continues to publish academic and public-facing pieces. Team members also presented their findings at the 2021 annual meeting of the Society for Social Studies of Science (4S). An edited volume is currently in production.

Ethics in the Lab



In the second year of the Ethics in the Lab project, Senior Research Fellow **Sam Weiss Evans** continued developing models for integrating path-breaking work in technological design with informed reflection on its ethical, legal, and social aspects. Evans' call for [a more experimental approach to biosecurity governance](#) has been adopted by the US [Engineering Biology Research Consortium](#) (EBRC), and several papers assessing the model are being

drafted. A multiday workshop on whether there should be an international registry for gene drive organism field trials, co-organized by Evans, offered a chance to test whether a registry provides enough reflexive capacity to be a [technology of humility](#). Pedagogically, the project launched a new General Education course on "Numbers in Policy and Society" and also ran a second STS Graduate Research Seminar, "[Beyond 'Don't Be Evil'](#)." The project is supported by a grant from Schmidt Futures.

FELLOWS cont.

Sam Weiss Evans

Senior Research Fellow
Harvard STS

Yousif Hassan

Ph.D. Candidate
STS, York University, Toronto

Jack Hensley

Ph.D. Candidate
SEAS, Harvard

Andrew Murray

Postdoctoral Researcher
Global Observatory, Harvard STS

Onur Özgöde

Senior Research Fellow
CompCoRe, Harvard STS

Pariroo Rattan

Ph.D. Candidate in Public Policy
Harvard Kennedy School

Cassandre Rey Thibault

Ph.D. Candidate
Université Paris Est, Paris

Hilton Simmet

Ph.D. Candidate in Public Policy
Harvard Kennedy School

Nicole Sintetos

Ph.D. Candidate
Brown University

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).

While the pandemic again prevented in-person meetings, project partners had many opportunities to observe how the promises of the Silicon Valley model of innovation are bumping up against social, political, and environmental realities: unionization at Google, homelessness and rising crime in San Francisco, protests against “smart cities,” the environmental costs of data storage, and more. An edited volume exploring these tensions and contradictions is in preparation.



Chinese packing crates included in the assemblage of sustainability as renewable energy in India.

Trust in Science



A slide from Jasanoff's "Five Principles of Transparency" lecture.

The STS Program directs the Harvard Data Science Initiative's [Trust in Science Project](#), with **Sheila Jasanoff** as faculty lead and **Sam Weiss Evans** as program coordinator. The Project funded three new

awards across Harvard on topics such as trust in vaccines, confirmation bias in model selection, and the effects of data visualization on trust in science. Project sponsor Bayer ran a day-long session on Transparency where Jasanoff spoke on “Five Principles of Transparency.” In the coming year Trust in Science will launch a new research program studying vaccine hesitancy.

FELLOWS

cont.

Derek So

Ph.D. Candidate
Centre of Genomics and Policy,
McGill University

Vidya Subrmanian

Postdoctoral Research Fellow
South Asia Institute & STS,
Harvard University

Makoto Takahashi

Lecturer
Munich Centre for Technology in
Society

Nicolas Zehner

Ph.D. Candidate
Sociology, University of
Edinburgh

RESEARCH ASSOCIATES

Margo Boenig-Liptsin

Research Associate
STS Program

Kyoko Sato

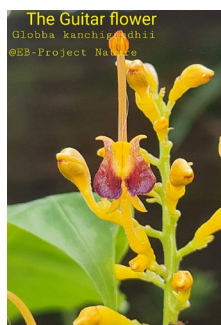
Associate Director
Stanford University

Stefan Schäfer

Research Group Leader
Institute for Advanced
Sustainability Studies, Potsdam

Fellow Milestones

The STS Program is pleased to recognize the news and accomplishments of current and former fellows.



We begin by acknowledging **Kanchi Gandhi**, a devoted STS Circle attendee, who had two Indian botanical society awards named after him in the past year: the Kasthuri & Kanchi Gandhi Award, recognizing excellence in the work of an Indian botanist, and the Kanchi

Gandhi award, which rewards the work of Indian botanists under 30-years-old. Kanchi also had a flower named after him this year, bringing the total number of plants bearing his or his wife's name to about 10.

Erik Aarden ('07 & '14), Postdoc in the Department of Science, Technology & Society Studies at the University of Klagenfurt, Austria, published a paper entitled "[The Translational Lag Narrative in Policy Discourse in the U.S. and European Union: A Comparative Study](#)" with former STS fellows Alessandro Blasimme and Luca Marelli.

Alberto Aparicio ('17 & '22), Postdoc in the Program on Ecology, Evolution, Environment and Society, at Dartmouth College, has begun postdoctoral research in the Global Observatory for Genome Editing in the Harvard STS Program.

Nicole West Bassoff presented the paper "Ordering the 5G Future: Deference and Sovereignty in City of Portland v. United States" at the [Governance of Sociotechnical Transformations](#) (GoST) workshop on Smart Cities. She also Co-organized the second annual [Graduate Research in STS](#) (GRiSTS) Conference (Disrupted Lives: Linking, De-linking and the Infrastructures of Recovery).

Jan Peter Bergen ('16), Assistant Professor at the University of Twente, was appointed Assistant Professor in Philosophy with a focus on Technology and Society, and will work on philosophy and ethics education for engineering students.

Alessandro Blasimme ('14), Senior Scientist at ETH Zurich and Visiting Professor at La Sapienza University of Rome (Italy) at Stavros Niarchos Foundation Bioethics Academy, published a chapter in the Cambridge University Press Health Regulation Handbook entitled "[Toward Adaptive Governance in Big Data Health Research](#)." This December he gave a keynote at ETH Risk Center seminar entitled "The evolving nature of genetic risk: ethical considerations."

Margo Boenig-Liptsin ('20), Lecturer in the Department of History at UC Berkeley, is currently a Fellow at the Paris Institute of Advanced Study working on [a research project](#) on the co-production of the concept of human dignity with technologies for calculating human worth and risk. In September 2022 she will start a tenure-track position as Assistant Professor of Ethics, Technology and Society at ETH Zurich.

Regula Valérie Burri ('08, '22), Professor in Science and Technology Studies at HafenCity University Hamburg, Germany, received a Feodor Lynen Research Fellowship for Experienced Researchers from the Alexander von Humboldt Foundation to return to Harvard STS, where she is working on sociotechnical imaginaries in AI governance. She also received funding for an experimental research project on AI imaginaries in collaboration with two artists. An [exhibition](#) and international symposium took place in Hamburg in June 2021.

Chul Choi ('19), Professor and Vice Dean of the Law School at Hankuk University of Foreign Studies in Seoul, South Korea, was elected Vice President of the Korea Association of Science, Technology and Law.

Laurence L. Delina ('13 & '16), Assistant Professor at the Hong Kong University of Science and Technology, co-edited a volume titled "Governing Climate Change in Southeast Asia;" he also published a few papers on energy resilience and consulted for Oxfam and the Heinrich Böll Stiftung on just energy transitions in Southeast Asia.

Fellow Milestones

Michael A. Dennis, Associate Professor of Strategy & Policy at the US Naval War College, published three short articles: “[How Climate Change Can Revolutionize US National Security Policy](#),” with Anand Toprani, in *Responsible Statecraft*; “[The Financial Foundations of US Hegemony: Rethinking Modern Monetary Theory, Part 1](#),” with Anand Toprani in the *Center for International Maritime Security*; and “[The Financial Foundations of US Hegemony: Rethinking Modern Monetary Theory, Part 2](#),” also with Anand Toprani, in *Center for International Maritime Security*.

Denia Djokic ('20) started a new position as Research Scientist in the department of Nuclear Engineering and Radiological Sciences at University of Michigan. She is also a Faculty Affiliate at the Science, Technology and Public Policy program at the University of Michigan's Ford School of Public Policy, with a secondary appointment at the University of Illinois at Urbana-Champaign's Institute for Sustainability, Energy, and Environment as a Levenick Resident Scholar of Sustainability Leadership. She co-authored (with Aditi Verma) an *Issues in Science and Technology* piece entitled [Reimagining Nuclear Engineering](#).

Tess Doezeema ('19), Postdoc at the Technical University of Munich, is starting a new postdoctoral position with the Post-Growth Innovation Lab at the University of Vigo in Pontevedra, Spain in 2022.

Rachel Douglas-Jones ('08 & '13), Associate Professor at IT Copenhagen, has been newly funded by a Danish Research Council Grant on “Moving Data, Moving People” (2020-2025) to study the emergent social credit system in China. She also received a small grant from the TORCH Centre in Oxford to create a “Bestiary” of AI monsters, in collaboration with the ETHOS Lab I for 2022-23.

Iris Eisenberger ('09) will be Professor of Innovation and Public Law at Vienna University's Faculty of Law from March 2022. She co-edited [Smart Regulation: Vertrag, Unternehmung und Markt](#) with Patrick C. Leyens, Iris Eisenberger and Rainer Niemann.

Sam Weiss Evans ('09-11, current), Senior Research Fellow in the Harvard STS Program, gave the keynote at the first American Biological Safety Association's *Biosecurity Symposium* on “[Biosecurity Governance, Concerns, and Future Directions](#)” and was elected to the Council of the Engineering Biology Research Consortium.

Emma Frow ('12), Assistant Professor at ASU jointly with the School for the Future of Innovation in Society and the School of Biological & Health Systems Engineering, was recently awarded an NSF CAREER grant on “Reconfiguring Life: Care and Control in Bioengineering” (2021-2026).

Pru Hobson-West ('06) was promoted to Professor of Science, Medicine and Society at the Institute for Science and Society in the School of Sociology and Social Policy at University of Nottingham UK.

Karen Huang ('20), Assistant Professor, McCourt School of Public Policy, Georgetown University, was Faculty Fellow ('21-22) at the Ethics Lab at Georgetown's Kennedy Institute of Ethics, and a Faculty Associate ('21-22) at Harvard's Berkman Klein Center for Internet & Society. She is starting a new project on misinformation and moral reasoning during Covid-19 with former STS fellow **Jacob Moses**. Karen presented at a 4S Panel on “‘Won't you be my neighbor?': Towards Theory and Ethics in Society,” with STS fellows **Hilton Simmet**, **Stefan Schäfer**, and **Margo Boenig-Liptsin**.

Kamilla Karhunmaa ('18), Postdoc at the University of Helsinki, successfully defended her Ph.D. entitled “Imagining energy transitions: Carbon neutrality in Finland.”

Monika Kurath ('08) is now Professor and Dean of Research & Faculty at the University of St.Gallen.

Fellow Milestones

Brice Laurent ('08 & '12), Researcher in the Center for the Sociology of Innovation at Mines ParisTech, has an upcoming book with MIT Press [European Objects: The Troubled Dreams of Harmonization](#) and a new paper with other STS alumni in *Social Studies of Science* entitled "[The Politics of Scaling](#)."

Allison Loconto ('08), was promoted to Research Professor and is studying the development of indicators for co-creation as part of the Horizon Europe project "[Mission-Oriented SwafS to Advance Innovation through Co-creation](#)" (MOSAIC). She also published a book entitled [Enabling Sustainable Food Systems: Innovators' Handbook](#), available in English, French and Spanish.

Mattijs van Maasakkers ('13), Associate Professor at the Ohio State University, was promoted to Associate Professor with tenure in June 2021.

Deborah Mascalzoni ('04), Head of the ELSI group at EURAC Research & Senior Researcher at Uppsala University, has [newly funded projects](#) on AI and oncologic diagnostics, Data Governance for Population Biobanks (EFRE), and Enlightenment on policies of lighting.

Martin Mahony published the first of three "progress reports" in *Progress in Human Geography* on the geographies of science and technology, strengthening cross-fertilisation between STS and critical geography. In January 2022 Martin will be starting work on "Curating Crises" (PI: Prof Jenni Barclay, UEA), which will investigate the colonial knowledge networks that coalesced around Caribbean volcanoes, and will interrogate the persistent inequities in volcanology and seismology.

Ian McGonigle ('18), Nanyang Assistant Professor at Nanyang Technological University, published a monograph [Genomic Citizenship: The Molecularization of Identity in the Contemporary Middle East](#) with MIT Press.

Clark Miller ('99) was elected to the National Academies Committee on Accelerating Decarbonization of the US Energy System. His new book, *Cities of Light*, [free to download](#), leverages STS insights to explore potential designs for people-centered solar-powered futures. Clark has been advising national labs, cities, and electric utilities on the integration of social and equity considerations into the design of transitions to carbon-neutral energy systems.

Maya Mitre ('10), Postdoc at the Copenhagen Business School, is conducting research on Ethics and Fundamental Rights in Digital Technologies and Businesses as part of the Business in Democracy Initiative.

Jasper Montana ('15), Leverhulme Early Career Fellow in Human Geography at University of Oxford, was awarded the Oran R. Young Prize for best early career conference paper at the Earth System Governance conference for a paper on relational responsibilities for biodiversity in the UK Overseas Territories. From April 2022, we will be Departmental Lecturer at the School of Geography and the Environment at Oxford, where he will teach courses on Science and Politics.

Kellie Owens ('17), Postdoc in the Department of Medical Ethics and Health Policy at the University of Pennsylvania, was recently awarded a K99/R00 early career award from the National Human Genome Research Institute (NHGRI) and is an incoming Assistant Professor in the Division of Medical Ethics (Department of Population Health) at NYU Grossman School of Medicine.

Onur Özgöde published a paper entitled "[The Emergence of Systemic Risk: The Federal Reserve, Bailouts, and Monetary Government at the Limits](#)" in the *Socio-Economic Review*, which examines the construction of "systemic risk" in finance as an epistemic feature of the governance architecture that the Federal Reserve built in the 1970s to manage economic growth.

Fellow Milestones

Gerard Porter ('12), Lecturer at the University of Edinburgh, was awarded a UKRI-Government of India (DBT) grant for a project entitled "[Smart regulation of antibiotic use in India: Understanding, innovating and improving compliance](#)" (2018-2021).

Benjamin Raimbault ('16), Assistant Professor at the Université Gustave Eiffel, is starting a new research project on the quantification of industry activities through Life Cycle Assessment (LCA).

Celina Ramjoué ('04), Deputy Head of Unit for the Directorate General for Communications Networks, Content & Technology, European Commission, is working on circular electronics and digital policies.

Pariroo Rattan (current), Harvard STS PhD student, presented her paper "Dueling economists and discriminating models: Law and statistics in 21st century America" at a panel chaired by Professor William Deringer of MIT on "Fairness by Calculation in the Law". She also co-organized 2021's STS@Tea sessions with Adam Tooze and Andrew Lakoff, and the second annual Graduate Research in STS (GRiSTS) Conference on [Disrupted Lives: Linking, De-linking and the Infrastructures of Recovery](#).

Dan Santos ('21), Research Associate at Monash University, is starting a postdoc at the Centre for the Public Awareness of Science at Australian National University's project on "Developing an Evidence-Based Model for Building Trust in Australian Stem Cell Research and Therapies."

Geneva Smith ('20), Postdoc in the Program on Ecology, Evolution, Environment and Society, Dartmouth College, began research on a recently awarded NSF grant on "Emergent Imaginaries of Regenerative Agriculture" (PI Susanne Freidberg).

Holger Strassheim ('14), Professor and Board Member of the Institute for Interdisciplinary Studies of Science at Bielefeld University, Germany, was recently awarded a German Research Foundation grant on "Worldviews of Ice: Constructions of the Arctic at the Science/Politics Interface" (2022-2025), with Mathias Albert and Daniela Portaillo Sampaio.

Kasper Schiølin ('16-20), started an Assistant Professorship in STS at the School of Communication & Culture, Aarhus University (Denmark). He received a grant from the Independent Danish Research Foundation for the project "The Making of European Ethics of Artificial Intelligence," where former STS fellow **Nina Frahm** will be a postdoc. He also launched The Nordic Observatory of Artificial Intelligence, which has been running a monthly seminar series throughout 2021.

Hilton Simmet (current), Harvard STS PhD student, was a Graduate Fellow at the Edmond J. Safra Center for Ethics; chair of the Harvard STS Circle; co-organized and presented at the 4S panel ("Won't you be my neighbor?": Toward Theory and Ethics in Society; and co-organized the second Graduate Research in STS (GRiSTS) conference on [Disrupted Lives: Linking, De-linking and the Infrastructures of Recovery](#). Hilton also designed the website for the [2021 Summer School on Expertise, Trust, and Democracy](#). Based on his work in the GoST project, Hilton co-authored (with S. Jasanoff) the article "[Renewing the future: Excluded imaginaries in the global energy transition](#)" in *Energy Research and Social Science*.

Maayan Sudai ('17), Assistant Professor at the University of Haifa jointly with the Faculty of Law and the Faculty of Humanities (Gender Studies), has a new publication in Social Studies of Science, titled "'A woman and now a man': [The legitimization of sex-assignment surgery in the United States \(1849–1886\)](#)."

Noah Walker-Crawford ('20), Postdoc in Political Science at University College, London, defended his Ph.D. "Climate Change in Court: Making Neighbourly Relations in a Warming World" and began a postdoc in Political Science at UCL on "Climate Politics in the Courtroom: Legal Activism between the Andes and the Global Stage."

Parting Shots



This map resides in the Fellows Office and shows the global scope of the STS Program over the last 19 years. Are you a former fellow and don't see your pin? Email us at sts@hks.harvard.edu with the location you came from during your fellowship and we will add it!



The 2021 Fellowship

STAY CONNECTED

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