

Samantha Jo Fried

Program Manager

Civic Studies | Science, Technology, and Society (STS)

Jonathan M. Tisch College of Civic Life

Tufts University

Education

- **PhD, Virginia Tech | 2014-2019**
Science, Technology, and Society
Dissertation: *"Landsat in Contexts: Deconstructing and Reconstructing the Data-to-Action Paradigm in Environmental Remote Sensing"*
- **Graduate Certificate in Remote Sensing, Virginia Tech | 2019**
Remote Sensing Interdisciplinary Graduate Education Program (IGEP)
- **MS, Virginia Tech | 2014-2016**
Science, Technology, and Society
- **MA, Georgetown University | 2012-2014**
Communication, Culture, & Technology
Thesis (with Distinction): *"Quantify This: Statistics, the State, and Governmentality"*
- **Inter-University Consortium for Political and Social Research (ICPSR), University of Michigan Summer Program | 2013**
4-week courses in Mathematics for Social Scientists (Advanced Level) and Methodological Issues in Quantitative Research on Race and Ethnicity
- **BA, Goucher College | 2007-2011**
Communications & Media Studies Major, German Minor
Graduated *cum laude*

Positions Held

- **Program Manager: Science, Technology, and Society (STS) and Civic Studies Programs**
Jonathan M. Tisch College of Civic Life | Tufts University | November 2020-Present
Supervisors: Dr. Peter Levine and Dr. Nick Seaver
- **Postdoctoral Fellow in Civic Science at the Jonathan M. Tisch College of Civic Life**
Jonathan M. Tisch College of Civic Life | Tufts University | May 2019-October 2020
Advisor: Dr. Peter Levine | Supported by the Kettering Foundation
- **Graduate Research Fellow in Remote Sensing**
Virginia Polytechnic Institute & State University | August 2014-May 2019
Advisor: Dr. Saul Halfon
- **Research Assistant, NSF-funded project on research infrastructure**
Georgetown University | June 2013-July 2014
Advisor: Dr. David Ribes

Teaching + Advising

- **STS 0050-01: STS Lunch Seminar** | Science, Technology, and Society (STS) at Tufts University
Spring 2020-Present

- **STS 0198-0199: Senior Thesis Chair** | Science, Technology, and Society (STS) at Tufts University
Fall 2022-Spring 2023
Advisee: Arlyss Herzig
- **Pre-Major Advisor** | Civic Studies Program at Tufts University
Fall 2021-Fall 2022
- **STS 0010-01/CVS 0050-01: Classification Reading Lab** | Science, Technology, and Society (STS) and Civic Studies at Tufts University
Spring 2022
- **STS 0050-02: Data in Context: Musical Algorithms in Society** | Science, Technology, and Society (STS) at Tufts University
Fall 2021
- **STS 0198-0199: Senior Thesis Chair** | Science, Technology, and Society (STS) at Tufts University
Fall 2020-Spring 2021
Advisee: Grant Versfeld
- **STS 0197: Senior Capstone** | Science, Technology, and Society (STS) at Tufts University
Fall 2020-Spring 2021
Advisee: Bobby Wells
- **STS 0196: Independent Study in STS & Chemistry** | Science, Technology, and Society (STS) at Tufts University
Fall 2020
Advisee: Sowtharya Ayyappan
- **STS 0010: Power Reading Lab** | Science, Technology, and Society (STS) at Tufts University
Fall 2020
- **STS 0010: Energy Reading Lab** | Science, Technology, and Society (STS) at Tufts University
Spring 2020
- **STS 0010: Automation Reading Lab** | Science, Technology, and Society (STS) at Tufts University
Fall 2019
- **CVS 0150: Science and Civic Action** | Civic Studies at Tufts University
Fall 2019 | co-instructor with Jonathan Garlick
- **STS/HIST/SOC 2604: Introduction to Data in Social Context** | Science, Technology, and Society (STS) at Virginia Tech
Fall 2018
- **STS 1504: Introduction to Science & Technology in Society** | Science, Technology, and Society (STS) at Virginia Tech
Spring 2017

Select Talks and Presentations

Invited Talks

- **“Black Boxes and Green Jobs: Modeling Offshore Wind Farms”**
with Desen Ozkan and Bridget Moynihan
Human-Centered Engineering | Boston College
December 5th, 2022: Boston, MA
- **“Competing Notions of Security in Earth Remote Sensing”**
Water Seminar | Department of Civil & Environmental Engineering | University of Washington
June 10th, 2021: Seattle, WA (accepted)
- **“Environmentalism/National Security in Remote Sensing”**
STS Lunch Seminar | Science, Technology and Society Program | Tufts University
October 25th, 2019: Medford, MA

Conference and Workshop Presentations

- **“On the Multistability of Images in Science: Examples from Neurobiological and Planetary Imaging”**
with Robert Rosenberger | Society for Philosophy of Technology (SPT) virtual panel | Philosophy of Science Association (PSA) 27th Biennial Meeting
November 11th, 2021: Baltimore, MD
- **“Earth Remote Sensing Technologies and National Security”**
Junior Faculty Research Workshop | Jonathan M. Tisch College of Civic Life | Tufts University
February 18th, 2020: Medford, MA
- **“Landsat in Contexts: Deconstructing and Reconstructing the Data-to-Action Paradigm in Environmental Remote Sensing”**
Science and Democracy Network | Science, Technology and Society | Harvard University
August 30th, 2019: Boston, MA
- **“Landsat in Contexts: Deconstructing and Reconstructing the Data-to-Action Paradigm in Environmental Remote Sensing”**
Remote Sensing Dissertation Seminar | Remote Sensing IGEP | Virginia Tech
March 4th, 2019: Blacksburg, VA
- **“Landsat in Contexts: Deconstructing and Reconstructing the Data-to-Action Paradigm in Environmental Remote Sensing”**
STS Dissertation Seminar | Science, Technology, and Society | Virginia Tech
February 15th, 2019: Blacksburg, VA
- **“Origins of Landsat”**
Southeastern Philosophy of Technology (SEPOT) Workshop | UNCC
September 29th, 2018: Charlotte, NC
- **“Pixel or it Didn’t Happen: Thinking Through the Pixel Paradigm in Terrestrial Remote Sensing”**
20th Conference of the Society for Philosophy and Technology (SPT) | Technische Universität Darmstadt
June 17th, 2017: Darmstadt, Germany
- **“Frogging: Knit Together in the Womb”**
Feminist MakerSpace at Gender, Bodies, & Technology | Virginia Tech
April 22nd, 2016: Roanoke, VA
- **“Ground Truth: Validity and Remote Sensing”**
Southeastern Philosophy of Technology (SEPOT) Workshop | UNCC
September 12th, 2015: Charlotte, NC
- **“Quantify This: Statistics, the State, and Governmentality”**
STGlobal | National Academy of Sciences
April 4th, 2014: Washington, DC

Publications

- Ross, C., & Fried, S. (2023, forthcoming). Why STEM Education—and Democracy—Need Civic Science. *American Scientist*, 111(3): 156-159.
- Fried, S., Ozkan, D., Halldén, K., Moynihan, B., DeFrancisci, J., Kuchma, D., Bachant, C., Hines, E. (2022). Low-Carbon, Bio-Enhancing Concrete Gravity-Based Foundations for Offshore Wind Turbines. *Offshore Power Research & Education Collaborative (OSPRED) Reports*, Tufts University.
- Ross, C., & Fried, S. (2022). For the Public Good: Incorporating Civic Science into Undergraduate STEM Education. *Journal of Science Policy & Governance* 19(2).
- Fried, S., & R. Rosenberger. (2021). *Postphenomenology and Imaging: How To Read Technology*. Lexington Books.
- Fried, S. (2021). Toward a More Equitable Landsat, Using Frameworks from Postphenomenology. In Fried, S., & R. Rosenberger. *Postphenomenology and Imaging: How To Read Technology*. Lexington Books.
- Fried, S. (2020). Satellites, War, Climate Change, and the Environment: Are We at Risk for Environmental Deskillling? *AI and Society*: 1-9.
- Fried, S. (2020). How Climate Science Could Lead to Action. *American Scientist*. 108(1): 34-41.
- Fried, S. (2019). Collaborative Review Part 2: What Makes Interdisciplinarity Unique? *Social Epistemology Review and Reply Collective*. 8(9): 73-76.

- **Fried, S.** (2018). *Vallor's Virtue Ethics are Creative, Intrepid, and Profoundly Feminist*. Review of Technology and the Virtues by Shannon Vallor. *Techné: Research in Philosophy and Technology*. 22(1): 135-137.

Service

- **Member**, DEIJ Committee and Assessment Subcommittee, Jonathan M. Tisch College of Civic Life, Summer 2022-Present
- **Tisch College Liaison**, Tufts Institute for the Environment (TIE), Fall 2021 -Present
- **Resource Partner**, Rita Allen Foundation Civic Science Fellows, Spring 2020-Fall 2021
- **Member**, Transdisciplinary Research Mapping Team for COVID-19 Research at Tufts, Fall 2021
- **Appointee**, Task Force on Energy and the Environment, Tufts University, Spring 2021
- **President**, Graduate Student Assembly at Virginia Tech, AY2018-19
- **Director of Communications**, Graduate Student Assembly at Virginia Tech, AY2017-18, 2016-17
- **Delegate**, Graduate Student Assembly at Virginia Tech, AY2015-16
- **Webmaster** for *gnovis*, CCT's student-run journal, Georgetown University, AY2013-14