

Helen Nissenbaum

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Ethics ▶

Politics ▶

Policy ▶

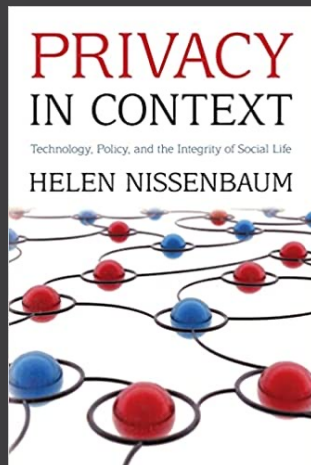
Quality
of Life ▶

Ethics, QoL, Digital Tech, AI



Privacy & Values in Technology

Books



Privacy in Context



Values at Play in
Digital Games



Obfuscation

Methodologies



Theory



Empirical Research



Law & Policy



**Technical
Application**

Theory, Empirical Research, Law, Policy & Tech



- H. Nissenbaum (2019) "**Contextual Integrity Up and Down the Data Food Chain,**" Theoretical Inquiries in Law 20:1, 221-256.
- H. Nissenbaum (2015) "**Respect for Context as a Benchmark for Privacy Online: What it is and isn't,**" In Social Dimensions of Privacy, Eds. B. Roessler, D. Mokrosinska, Cambridge: Cambridge University Press
- K. Martin and H. Nissenbaum (2020) "**What is it about Location?**" Berkeley Technology Law Journal

Theory, Empirical Research, Law, Policy & Tech



- H. Nissenbaum (2019) "**Must Privacy Give Way to Use Regulation?**" In Digital Media and Democratic Futures, Ed. M. X. Delli Carpini. Philadelphia: University of Pennsylvania Press.
- S. Benthall, S. Gürses and H. Nissenbaum (2017) "**Contextual Integrity through the Lens of Computer Science,**" Foundations and Trends® in Privacy and Security 2:1, 1-69.

Other Areas: Ethics, Digital Technology & AI



Fairness



Accountability



Autonomy

Other Areas: Ethics, Digital Technology & AI



- L. Introna and H. Nissenbaum, "**Defining the Web: The Politics of Search Engines,**" IEEE Computer, January 2000, 54-62.
- H. Nissenbaum, "**Accountability in a Computerized Society,**" In Science and Engineering Ethics, 1996, 2, 25-42. (Reprinted in Human Values in the Design of Computer Technology, Ed. Batya Friedman, Cambridge and New York: CSLI, 1997.)
- D. Susser, B. Roessler, H. Nissenbaum (2020) "**Online Manipulation: Hidden Influences in a Digital World,**" Georgetown Law and Technology Journal.



www.dli.tech.cornell.edu

Digital Life Initiative





1

Postdoctoral
Research
Fellows

4

Civic
Innovation
Fellows

7

Critical &
Creative
Reflections

2

Visiting
Fellows

5

Affiliated
Faculty

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Cornell Tech
Research Lab in
Applied Law &
Technology


3

Tech Law
& Policy
Fellowship


6

DLI
Associates
Program

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DLI Community




Benjamin Laufer
PhD Student







Madiha Zahrah Choksi
PhD Student





Sample Projects



The Great Regulatory Dodge

A Manifesto for Trustworthy Pervasive Data Research

Barriers to real world adoption of cryptographic Tools for Real-World Privacy Problems

Autonomous Vehicle Fleets as Public Infrastructure

Vision and Language-based Sensing of Tracking Urban Heartbeat and Policy Compliance

Hyperparameter Optimization Is Deceiving Us, & How to Stop It

Ubiquitous computing in mental health and wellbeing

Accountability in ML systems

From Privacy Regulation to Privacy Engineering

Accountability and Oversight in Urban AI Systems

Producing Personhood: How Designers Program Voice Assistants

Previous & Recent Events



- Symposium on Applications of Contextual Integrity
- **NeurIPS Workshop on Political Economy of Recommender Systems**
- Workshop on Obfuscation
- **Online Manipulation Workshop**
- Autonomous Vehicle Workshop
- **Speed Conference**
- Public Digital Life Seminar
- **Digital Dispatch**

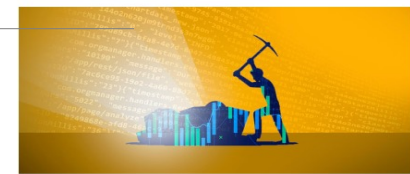
DLI Dispatch



Exploring Ethics, Policy, and Quality of Life in Digital Societies

This has been a year of growth for DLI, with new programs, such as, Creative Reflections and Tech News Thursdays, international workshops, and an expanding research footprint at key conferences in the US and beyond. Ethics, the general good, and human dignity are paramount as we strive to innovate in approaches to designing and regulating powerful digital technologies with these fundamental values in mind. We bid proud farewells to DLI-ers going out into the world to continue their amazing accomplishments. Regular activities resume in Fall 2023. We can't wait to introduce you to DLI's newest class of fellows and welcome you to our events! – **Helen Nissenbaum, DLI Director**

Hot off the Press | LATEST DLI PUBLICATIONS



PROMARKET Data, Context and Competition Policy

By DLI Postdoc Elettra Bietti (Cornell Tech), Nathan Lambert (HuggingFace), Sarah Dean (Cornell University), Tom Zick (Berkman Klein), Aaron Sonenshein (ADMA-C Center). This revised paper sketches a framework for documenting deployed and iteratively updated learning systems. Inspired by contributions from technical literature on reinforcement learning, Reward Reports are outlined as living documents that track updates to design choices and assumptions behind what a particular automated system is optimizing for.

CORNELL UNIVERSITY ARCHIVE Reward Reports for Reinforcement Learning

By DLI Postdoc Thomas Krendl Gilbert (Cornell Tech), Simon Muth (Columbia) and Andrew Rogers (Cornell University). Showing the limits of present documentation protocols, the authors argue for dynamic documentation as a new paradigm for understanding and evaluating AI systems. The Office of Science and Technology Policy (OSTP) recently released the AI Bill of Rights Framework to outline recommended best practices for algorithmic transparency to protect Americans from harm.



TECH POLICY PRESS Optimization's Neglected Normative Commitments

By DLI Doctoral Fellow Benjamin Laufer, DLI Postdoc Thomas Krendl Gilbert, and DLI Director Helen Nissenbaum (Cornell Tech). Drawing from the modeling process and a range of cases, this research describes the normative choices and assumptions that are part of using optimization. Mathematical optimization is a way to relate a set of potential decisions to a specific goal and use this relationship to identify the best-performing decision. It is a paradigm used to aid in developing a variety of computing tools, including machine learning (ML) models.

FAIR 2023 Detecting Disparities in Police Deployments Using Dashcam Data

By DLI Affiliated Faculty Wendy Ju and Emma Pearson, and Matt Friedrich (Cornell Tech) and J.D. Zainfrescu-Pereira (Berkeley). AI models were used to detect police vehicles in 25 million New York public street scenes, revealing spatial and demographic disparities in police deployments. Large-scale policing data is vital for detecting inequity in police behavior. However, one type of policing data remains largely unavailable within the US: aggregated police deployment data capturing which neighborhoods have the heaviest police presences.



WHITE PAPER Accountability Infrastructure: How to Implement Limits on Platform Optimization to Protect Population Health

By DLI Visiting Fellow Nathaniel Lubin and DLI Postdoc Thomas Krendl Gilbert (Cornell Tech). An evidence-based approach to evaluating social-scale platforms to implementable and effective at mitigating structural harms. This need for new ways to address the effects of abusive content on tech platforms has become a dominant thread across media, tech, financial, and political circles. Responses to these challenges have contributed to efforts as wide-ranging as Elon Musk's purchase of Twitter, and the effectiveness of the COVID-19 response.

OPINION Technocracy, Pseudoscience & Performative Compliance: the Risks of Privacy Risk Assessments

By DLI Postdoc Duo Bala and DLI Director Helen Nissenbaum (Cornell Tech). Analyzing US NET's Privacy Risk Assessment Methodology highlights multiple sites of discretion that create opportunities for adversarial organizations to engage in performative compliance. Privacy risk assessments have been touted as an objective, principled way to encourage organizations to implement privacy by design. They are central to a new regulatory model of collaborative governance, as seen in the GDPR.



NEWS Humans and Algorithms Work Together – So Study Them Together

By DLI Affiliated Faculty J. Nathan Matias. Adaptive algorithms have been linked to terrorist attacks and beneficial social movements. Governing them requires new science on collective human-algorithmic behaviour. An adaptive algorithm is any software that regularly updates its own behaviour based on outcomes that it also influences. The underlying mathematical principles of such algorithms vary, from simple correlation to deep learning.

PROMARKET Dynamic Documentation for AI Systems

By DLI Postdoc Thomas Krendl Gilbert (Cornell Tech), Simon Muth (Columbia) and Andrew Rogers (Cornell University). Showing the limits of present documentation protocols, the authors argue for dynamic documentation as a new paradigm for understanding and evaluating AI systems. The Office of Science and Technology Policy (OSTP) recently released the AI Bill of Rights Framework to outline recommended best practices for algorithmic transparency to protect Americans from harm.

Tooling our Horn | DLI FELLOW SUCCESSES

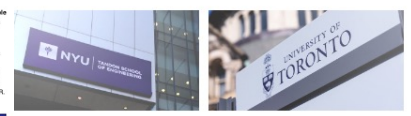


DLI NEWS Postdoc Elettra Bietti

Elettra Bietti, a dual fellow at DLI and NYU's ornation Law Institute, will join Northeastern University in July 2023 as an Assistant Professor of Law and Computer Science within the School Law and the Khoury College of Computer Sciences.

DLI NEWS Postdoc Alum Sunoo Park

Beginning September 2023, Sunoo Park will be appointed an Assistant Professor in Computer Science at NYU's Courant Institute of Mathematical Sciences, and an Affiliated Interdisciplinary Faculty at the NYU School of Law.

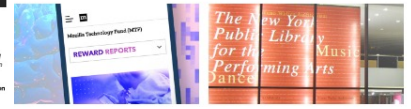


DLI NEWS Visiting Fellow Rama Adithya Varanasi

Rama Adithya Varanasi will begin his postdoc January 2024, with a joint appointment in the rter for Urban Science & Progress and the partment of Tech Management & Innovation NYU's Tandon School of Engineering.

DLI NEWS Visiting Fellow Alum Ellen Abrams

Starting in August 2024, Ellen Abrams will be begin her position as an Assistant Professor at the Institute for the History and Philosophy of Science and Technology at the University of Toronto.



DLI NEWS Postdoc Thomas Krendl Gilbert

Postdoc awardees will focus on an emerging, der-resourced area of tech with an opportunity impact. Thomas K. Gilbert will serve as sject Lead for Reward Reports, an initiative ing as a documentation framework for ocking an AI system's behavior over time.

DLI NEWS Research Associate Michael Byrne

Michael Byrne has been selected by the New York State Library as a 2023-24 Dance Research Fellow to examine how Martha Graham's ongoing spirit of innovation can be emulated through the intersection of technology, performance, and archival practice.

Take a Seat | SPRING & SUMMER DLI EVENTS



DLI NEWS J.H. Hosts Online Manipulation Workshop at Cornell Tech

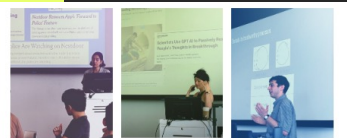
May a workshop featuring over 40 participants from diverse disciplines brought to the table a range vocabularies and methods, including ethics/philosophy, law and policy, social science, and rputing. Participants spurred new, integrative ideas about how to research, evaluate, and combat line manipulative practices.



DLI NEWS DLI Alumni Associates Meet for Inaugural Gathering

We were excited to host our first convening of DLI Associates, allowing past and current fellows to

DLI @ CORNELL TECH



DLI NEWS DLI Leads Digital Society & Ethics Seminar for Milstein Summer Program

DLI Doctoral Fellows (L-R) Madha Chokri, Margit Herley, and Ben Laufer presented seminars to students from the Milstein Program in Technology and Society, which welcomes a cross-disciplinary cohort of Cornell University undergraduates to engage with today's most pressing societal issues. DLI Affiliated Faculty Deborah Estin co-leads the summer program with DLI Research Associate Michael Byrne, guiding the students through 9-weeks of classes in Generative Computing and AI, Participatory Design in Making, and Innovation for Public Service.

Mark the Calendar | DLI COMMUNITY EVENTS



UPCOMING EVENTS Applications of Contextual Integrity Symposium

September 21-22, 2023 in Toronto, Canada. The 5th Annual Symposium will take place at York University, aiming to foster interaction among diverse communities of researchers and practice using Helen Nissenbaum's theory of Contextual Integrity to reason about privacy, and to design and evaluate, craft regulation, and generate some logics for privacy.

UPCOMING EVENTS Generative AI + Law (GenLaw) '23

21-24 July 2023 in Toronto, Canada. DLI Affiliated Faculty James Ginnimann and his co-organizers are excited to share a series of tutorials from renowned experts in both ML and law and panel discussions, where researchers in both disciplines can engage in semi-moderated conversation. The workshop will begin to build a comprehensive and precise synthesis of the legal issues at play.

UPCOMING EVENTS Applications Open for Siegel PiTech Faculty Impact Fellowship

The Public Interest Technology Initiative (PITi) at Cornell Tech is inviting Faculty Fellow applicants for the Siegel PiTech Faculty Impact Fellowship. Proposed fellowship projects may, among other things, directly apply technology in the service of public interest or pursue efforts aimed at furthering public interest technology goals.

Noteworthy | EXTRA DLI INFO



Fall 2023 Digital Life Seminar

For the latest list of speakers, visit our website! All guests outside of Cornell Tech are asked kindly to RSVP: mp556@cornell.edu

DLI Media Channel

Want to catch-up on previous seminars? Watch recordings.

Critical Reflections Analytical Commentary and Research

dliscornelltech

Special Thanks

The work we do is impossible without the dedication of DLI's superb staff (Manisha Joseph and Michael Byrne), influence of our research community, unwavering confidence of Cornell Tech's leadership, and the ongoing investment of our generous supporters.

Stay informed on latest **DLI activities?**



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