

FRANK PASQUALE

Brooklyn Law School
Brooklyn, NY

250 Joralemon St.
11201

EDUCATION

Yale Law School, New Haven, CT

- J.D., June 2001
- Coker Fellow

Oxford University, Oxford, UK

- M.Phil. in Politics, 1998
- Marshall Scholar

Harvard University, Cambridge, MA

- B.A., *summa cum laude* in Social Studies, 1996
- Chair, Small Claims Advisory Service at Cambridge/Somerville Legal Services

ACADEMIC APPOINTMENTS

Brooklyn Law School

- Jeffrey D. Forchelli Professor of Law (2022 to present)
- Professor of Law (2020-22)

University of Maryland Carey School of Law

- Piper & Marbury Professor of Law (2019-20)
- Professor of Law (2013-20)

Seton Hall University School of Law

- Schering-Plough Professor in Health Care Regulation & Enforcement (2010-13)
- Professor of Law (2008-13)
- Associate Professor of Law (2004-2008)

Princeton University

- Visiting Fellow, Center for Information Technology Policy (2010-11)

Cardozo Law School of Yeshiva University

- Visiting Professor (2009)

Yale Law School, New Haven, CT

- Visiting Professor (2009)
- Affiliate Fellow, Yale Information Society Project (2009 to present)

Selected Recognition and Metrics

- Third most-cited U.S. legal scholar in the field of Law & Technology, based on Sisk *et al.* study data for 2016-2020 (2021)
- Bibliometrics via Google Scholar
 - 9200+ citations
 - h-index: 34
 - i-10-index: 63
- Elected to the American Law Institute (2018)
- Two law review articles profiled in *Jotwell* (2017 and 2018)
- Selected keynote addresses
 - Automated Decision-Making & Society Conference (Melbourne, 2022)
 - Digital Cultures & Societies Hub Launch, University of Queensland (Brisbane, 2022)
 - The Digital State, Kings College London (2021)
 - Canadian Association of Law Librarians Annual Conference (2021)
 - Istanbul AI Summer School (2021)
 - Biennale Tecnologia (Turin, 2021)
 - AAAI/ACM Conference on AI, Ethics, and Society (NYC, 2020)
 - Academia Sinica Conference on AI and the Professions (Taipei, 2020)
 - Hong Kong University Conference on Data Sovereignty (2021)
 - American Psychological Association Conference on Technology, Mind, and Society (Washington, D.C., 2021).
 - Global Human Resources Forum (Seoul, 2020)
 - Hong Kong University Technology Law Symposium (2019)
 - Interdisciplinary Perspectives on Accounting (Edinburgh, 2018)
 - Digital Citizen Conference (Melbourne, 2018)
 - Case Western Distinguished Lecturer in Law and Technology (2018)
 - Re:Publica (Berlin, 2017)
 - NYU Blockchain Workshop (New York, 2016)
 - Northeastern University Legal Scholarship 4.0 Conference (Boston, 2015)
- Howard H. Rolapp Distinguished Visiting Scholar, University of Utah S.J. Quinney College of Law (2022).
- Distinguished Visiting Faculty, University of Toronto Faculty of Law (selected in 2022 for 2023 winter session).

- Inaugural Lecturer for London School of Economics masters' program in social science and big data (2016)
- TIAA-CREF Lecturer, UNC-Charlotte (2015) (for public lecture on big data)
- Mitchell Lecture, SUNY Buffalo (2015) (public lecture on big data law & policy)
- Co-winner of International Association of Privacy Professionals Award at the Privacy Law Scholars Conference (2014)
- Ewen Lecture, Brooklyn College (for public lecture on civil liberties) (2013)

Courses Taught

- Administrative Law
- Health Law & Policy
- Intellectual Property
- Copyright
- Technology, Equality, & Human Rights
- Health Information, Privacy, & Innovation
- Health Data Analysis & Advocacy

Federal Advisory Committee Appointments

- Member, National Artificial Intelligence Advisory Committee (NAIAC). Appointed by Secretary of Commerce Gina Raimondo in April, 2022.
- Member, National Committee on Vital and Health Statistics, a federal advisory committee serving the Department of Health & Human Services (2019-21). Appointed by Secretary of Health and Human Services Alex Azar in Feb., 2019.
- Chair, Subcommittee on Privacy, Confidentiality, and Security, of the National Committee on Vital and Health Statistics (2019-21).

Other Advisory and Mentoring Service

- Completed mentoring sessions for early career researchers at the University of Queensland and the University of Sydney (July, 2022).
- Research Associate, Peace Research Institute Oslo (focused on AI and cybersecurity) (2020 to present).
- Planning Committee Member (and instructor), Anti-Monopoly and Regulated Industries Summer Academy (2020-22).

- Member, American Association for the Advancement of Science (AAAS) Committee on Scientific Freedom and Responsibility (2019-2021).
- Member, Public Health, Surveillance, and Human Rights Network of the Social Science Research Council (SSRC) (2020).
- Board Member, Association to Promote Political Economy and Law (2017 to present); have served as a mentor for emerging scholars in the field.
- Advisory Board, Open Markets Institute (2018 to present).
- Member, NSF-sponsored Council on Big Data, Ethics, and Society (2014-16)
- Advisory Board, *Journal of Legal Education* (2014-16).
- Harvard-Georgetown Working Group on Market Democracy (2012-13)
- Executive Board, Section on Health Law, AALS (2011-13).
- Chair, Section on Privacy and Defamation Law, AALS (2010-11).
- Frequent consultations with federal agencies and Congressional committee members and staffers on law & technology-related issues.

Selected Scholarly Works

Books (Sole Author)

NEW LAWS OF ROBOTICS: DEFENDING HUMAN EXPERTISE IN THE AGE OF AI (Harvard University Press, 2020). This book was published under Harvard’s Belknap imprint, for books “of long-lasting importance, superior in scholarship.” It is currently being translated into Chinese (both simplified and traditional), Korean, and Spanish, and the Italian translation appeared in 2021. Interviews and articles about the book and book talks have appeared in U.S., German, British, French, Spanish, Brazilian, Chinese, Korean, Italian, Australian, and Hungarian publications.

An excerpt of the book was the cover of the *Boston Globe*’s Ideas section, and a review of it was the cover of *Corriere della Serra*’s Culture section.

The Association of American Publishers named the book a finalist for a 2021 PROSE Award in Legal Studies and Criminology.

Wired named it one of the “Best Books about AI to Read Now” (2020), and the *Financial Times* named it a Business Selection of the Month (Oct., 2020).

Also reviewed in *Issues in Science and Technology*, *Duke Law & Technology Review*, *New Rambler Review*, and other venues.

THE BLACK BOX SOCIETY: THE SECRET ALGORITHMS BEHIND MONEY AND INFORMATION (Harvard University Press, 2015). Translated into Chinese, French, Korean, Japanese, and Serbian. Reviewed in *Science*, *Nature*, *The New Republic*, *Michigan Law Review*, and *Slate*, among other venues. Some key reviews are excerpted at the book's Harvard University Press website.

One review concluded: “*The Black Box Society* is a first-rate work of synthesis, combining ideas from law and economics, interpretive social science, science studies, and the philosophy of technology into an essential study of the political economy of information.” (Thomas Drueke, *Law Library Journal*, 2016).

The journal *Big Data & Society* published an international symposium, *Revisiting The Black Box Society*, in 2020, featuring an interdisciplinary and international group of scholars' evaluations of the work 5 years after its publication date.

Books (Co-Author, Editor, or Co-Editor)

THE OXFORD HANDBOOK ON THE ETHICS OF ARTIFICIAL INTELLIGENCE (Markus Dubber, Frank Pasquale, and Sunit Das, eds., Oxford University Press, 2020). This book will be translated into Chinese as well.

TRANSPARENT DATA MINING FOR BIG AND SMALL DATA (Tania Cerquitelli, Daniele Quercia, and Frank Pasquale, eds., Springer-Verlag, 2017).

ADMINISTRATIVE LAW: A CONTEMPORARY APPROACH (Popper, McKee, Varona, Harter, Niles, Pasquale) (3rd Ed., West Publishing, 2016).

Articles and Book Chapters

Normative Dimensions of Consensual Application of Black Box Artificial Intelligence in Administrative Adjudication of Benefits Claims, 84 LAW & CONTEMP. PROBS. (2021).

Governing AI Safety Through Independent Audits, 3 NATURE MACHINE INTELLIGENCE 566 (2021) (with several co-authors).

Product Liability Suits for FDA-Regulated AI/ML Software, in THE FUTURE OF MEDICAL DEVICE REGULATION: INNOVATION AND PROTECTION (co-authored with Barbara J. Evans) (I. Glenn Cohen, Timo Minssen, W. Nicholson Price II, Christopher Robertson & Carmel Shachar, eds., Cambridge University Press, 2021).

- Licensure as Data Governance: Toward an Industrial Policy for Artificial Intelligence*, Knight Foundation, Knight Institute and Law and Political Economy Project Essay Series on Data and Democracy (2021).
- Promoting Data for Well-Being While Minimizing Stigma: Foundations of Equitable AI Policy for Health Predictions*, in TAMING DIGITAL DOMINANCE (Martin Moore and Damian Tambini, eds., Oxford University Press, 2021).
- Humans Judged by Machines: The Rise of Artificial Intelligence in Finance, Insurance, and Real Estate*, in ROBOTICS, AI, AND HUMANITY: SCIENCE, ETHICS, AND POLICY (J. von Braun, M.S. Archer, G.M. Reichberg, & M. Sanchez-Sorondo, eds., Springer-Verlag, 2021).
- The Resilient Fragility of Law*, Foreword to IS LAW COMPUTABLE?: CRITICAL PERSPECTIVES ON LAW AND ARTIFICIAL INTELLIGENCE (Simon Deakin & Christopher Markou, eds., Hart Publishing, 2020).
- Revisiting the Black Box Society by Rethinking the Political Economy of Big Data* (co-authored with Benedetta Brevini), BIG DATA & SOC'Y, Oct. 2020, doi:10.1177/2053951720935146. This introduced a theme symposium commenting on my 2015 book, *The Black Box Society*.
- Data-Informed Duties in AI Development*, 119 COLUMBIA L. REV. 1917 (2019).
- A Rule of Persons, Not Machines: The Limits of Legal Automation*, 87 GEO. WASH. L. REV. 1 (2019). This was positively reviewed in *Jotwell* by Rebecca Roiphe: <https://legalpro.jotwell.com/the-life-of-the-law-cannot-be-coded/>.
- Artificial Intelligence, Machine Learning, and Bias in Finance: Toward Responsible Innovation* (co-authored with Kristin Johnson and Jennifer Elisa Chapman), 88 FORDHAM L. REV. 499 (2019).
- Professional Judgment in an Era of Artificial Intelligence and Machine Learning*, 46 BOUNDARY 2 73 (2019).
- Bringing a Holistic Perspective to Law, Medicine, and the Humanities: A Tribute to Karen Rothenberg*, 22 J. HEALTH CARE L. & POL'Y 187 (2019).
- Beyond Instrumentalism: A Substantivist Perspective on Law, Technology, and the Digital Persona*, 2018 MICHIGAN ST. L. REV. 821 (2018) (with Arthur Cockfield).
- When Machine Learning is Facially Invalid*, 61(9) COMMUNICATIONS OF THE ACM 25-27 (2018), doi: 10.1145/3241367.
- Toward a Critical Theory of Corporate Wellness Programs*, BIOSOCIETIES, <https://doi.org/10.1057/s41292-017-0064-1> (2018) (with Gordon Hull). This was

- positively reviewed in *Jotwell* by Mary Crossley: <https://health.jotwell.com/the-perils-of-wellness/>
- Epilogue: Professional Cooperation and Rivalry in the Future of Data-Driven Healthcare*, in I. Glenn Cohen et al., eds., *BIG DATA, HEALTH LAW, AND BIOETHICS* (Cambridge University Press, 2018).
- Prediction, Persuasion, and the Jurisprudence of Behaviorism*, 68 U. TORONTO L. J. 63 (2018) (with Glyn Cashwell).
- Toward a Fourth Law of Robotics: Preserving Attribution, Responsibility, and Explainability in an Algorithmic Society*, 78 OHIO ST. L.J. 1243 (2018).
- The Automated Public Sphere*, in *THE POLITICS AND POLICIES OF BIG DATA: BIG DATA, BIG BROTHER?* (Ann Rudinow Sætnan, Ingrid Schneider & Nicola Green eds., 2018). Also published in German (by the Rosa Luxemburg Stiftung) and Portuguese (in the Brazilian media studies journal *Liberio*).
- Paradoxes of Privacy in an Era of Asymmetrical Social Control*, in *BIG DATA, CRIME AND SOCIAL CONTROL* (Aleš Zavrašnik ed., 2018).
- Ten simple rules for responsible big data research*, 13(3) PLOS COMPUTATIONAL BIOLOGY (2017): e1005399 (with Matthew Zook et al.).
- Un controle humain significatif sur la force algorithmique en tant que norme juridique internationale*, 21(3) PERSPECTIVES LIBRES 121 (2017).
- Two Narratives of Platform Capitalism*, 35 YALE L. & POL'Y REV. 309 (2016)
- Une Nouvelle Course aux Armements: Surveillance des Données Informatiques et Finance Dematerialisee* 18(1) PERSPECTIVES LIBRES 177 (2016).
- Platform Neutrality*, 17 THEORETICAL INQUIRIES IN LAW 487 (2016). Also translated into Hungarian and published in the Hungarian journal *In Medias Res*.
- The Scholarship of Resonance in an Era of Discord*, 47 SETON HALL L. REV. 685 (2016).
- Reforming the Law of Reputation*, 47 LOYOLA L. REV. 515 (2016).
- First Amendment Freeze Play: Bennett's Strategy for Entrenching Inequality*, 164 U. PENN. L. REV. ONLINE 215 (2016).
- Health Information Law*, in *THE OXFORD HANDBOOK OF U.S. HEALTHCARE LAW* (I. Glenn Cohen, Allison K. Hoffman, and William M. Sage, eds., 2016).

Four Futures of Legal Automation (with Glyn Cashwell), 63 UCLA L. REV. DISC. 26 (2015).

Law's Acceleration of Finance: Redefining the Problem of High-Frequency Trading, 36 CARDOZO L. REV. 2085 (2015).

The Spectrum of Control: A Social Theory of the Smart City (with Jathan Sadowski), 20(7) FIRST MONDAY (2015).

The Algorithmic Self, 17(1) HEDGEHOG REVIEW 23 (2015).

Synergy and Tradition: The Unity of Research, Service, and Teaching in Legal Education, 40 J. L. PROF. 25 (2015).

Democratizing Higher Education: Defending and Extending Income-Based Repayment Programs, 28 LOY. CONSUMER L. REV. 1 (2015).

Promoting Innovation While Preventing Discrimination: Policy Goals for the Scored Society, 89 WASHINGTON LAW REVIEW 1413 (2014) (with Danielle Keats Citron).

Redescribing Health Privacy: The Importance of Information Policy, 14 HOUS. J. HEALTH L. & POLICY 95 (2014).

The Scored Society: Due Process for Automated Predictions, (with Danielle Keats Citron), 89 WASH. L. REV. 1 (2014). (This paper, commissioned for a special issue (*Artificial Intelligence & the Law*), was named one of two “Papers of the Year” by the International Association of Privacy Professionals).

Privacy, Autonomy, and Internet Platforms, in PRIVACY IN THE MODERN AGE (edited by Marc Rotenberg, Jeramie Scott, and Julie Hurwitz, 2015).

To Replace or Respect: Futurology as if People Mattered, BOUNDARY2 (Jan. 20, 2015), a review of ERIK BRYNJOLFSSON AND ANDREW MCAFEE, THE SECOND MACHINE AGE (W.W. Norton, 2014)

Private Certifiers and Deputies in American Health Care, 92 N. CAROLINA L. REV. 1161 (2014).

Search Engines, in THE INTERNATIONAL ENCYCLOPEDIA OF DIGITAL COMMUNICATION AND SOCIETY (Robin Mansell et al., eds., Wiley-Blackwell, 2014).

Protecting Health Privacy in an Era of Big Data Processing and Cloud Computing, 17 STAN. TECH. L. REV. 595 (2014) (with Tara Adams Ragone).

The Hidden Costs of Health Care Cost-Cutting, 77 LAW & CONTEMPORARY PROBLEMS 171 (2014).

- Privacy, Antitrust, and Power*, 20 GEO. MASON L. REV. 1009 (2013).
- Accountable Care Organizations in the Affordable Care Act*, 42 SETON HALL L. REV. 1371 (2013).
- Grand Bargains for Big Data: The Emerging Law of Health Information*, 72 MARYLAND LAW REVIEW 682 (2013).
- The Hippocratic Math: How Much Should Society Spend on Health Care?*, J. L. & MEDICINE (2012) (Review of Gregg Bloche, *The Hippocratic Myth: Why Doctors are Under Pressure to Ration Care, Practice Politics, and Compromise their Promise to Heal*).
- Review of Configuring the Networked Self*, 6 INTELLECTUAL PROPERTY LAW BOOKS REVIEW (2012).
- Diagnosing Finance's Failures: From Economic Idealism to Lawyerly Realism*, 6 INDIA L. J. 2 (2012).
- Network Accountability for the Domestic Intelligence Apparatus* (co-authored with Danielle Keats Citron), 62 HASTINGS L. J. 1441 (2011).
- The Troubling Trend Toward Trade Secrecy in Rankings and Ratings*, forthcoming in THE LAW AND THEORY OF TRADE SECRECY: A HANDBOOK OF CONTEMPORARY RESEARCH (Rochelle C. Dreyfuss and Katherine J. Strandburg, eds., Edward Elgar Publishing, 2011).
- Joining or Changing the Conversation? Catholic Social Thought and Intellectual Property*, 29 CARDOZO ARTS & ENTERTAINMENT LAW JOURNAL 681 (2011).
- Beyond Competition and Innovation: The Need for Qualified Transparency in Internet Intermediaries*, 104 Nw. U. L. REV. 105 (2010).
- Data and Power: From Individual Consent to Societal Transparency*, Kauffman Foundation/Yale ISP Thought Piece for Symposium on Privacy and Innovation (2010).
- Restoring Transparency to Automated Authority*, 9 J. TELECOMM. & HIGH TECH. L. (2010) (invited piece for Silicon/Flatirons Conference of 2010).
- Contributing author, *Reproducible Research*, 12(5) COMPUTING IN SCIENCE AND ENGINEERING, 8-13 (Sep./Oct. 2010), doi:10.1109/MCSE.2010.113.
- Access to Medicine in an Era of Fractal Inequality*, 19 ANNALS OF HEALTH LAW 269 (2010) (invited piece for the conference *Profits, Patents, and Patients*).

- Cognition-Enhancing Drugs: Can We Say No?*, 30(1) BULLETIN OF SCIENCE, TECHNOLOGY, AND SOCIETY 9 (2010), doi: 10.1177/0270467609358113.
- Ending the Specialty Hospital Wars: A Plea for Pilot Programs as Information-Forcing Regulatory Design*, in OUR FRAGMENTED HEALTH CARE SYSTEM: CAUSES AND SOLUTIONS (Einer Elhauge, ed., Oxford Univ. Press, 2010).
- Search, Speech, and Secrecy: The Inversion of Network Neutrality*, 1 YALE L. & POL'Y REV. INTER ALIA (2010) (invited piece for Yale Law School symposium on network neutrality).
- Reputation Regulation*, in *The Offensive Internet: Privacy, Free Speech, and the Internet* (Martha Nussbaum and Saul Levmore, eds., Harvard Univ. Press, 2010).
- Federal Search Commission? Access, Fairness, and Accountability in the Law of Search*, 93 CORNELL L. REV. 1149 (2008) (with Oren Bracha).
- Internet Nondiscrimination Principles: Commercial Ethics for Carriers and Search Engines*, 2008 U. CHI. LEG. F. 263 (2008) (invited piece for symposium *Law in a Networked World*).
- Reclaiming Egalitarianism in the Political Theory of Campaign Finance Reform*, 2008 ILLINOIS L. REV. 599 (2008) (cited in *Citizens United v. F.E.C.*, 130 S. Ct. 876, 963 (Stevens, J., dissenting)).
- Asterisk Revisited: Debating a Right of Reply on Search Results*, 3 J. BUS. & TECH. L. 61 (2008) (invited piece for special symposium on search engines).
- Copyright in an Era of Information Overload*, 60 VANDERBILT L. REV. 135 (2007).
- Technology, Competition, and Values*, 8 MINN. J. L., SCI., & TECH. 607 (2007) (reprinted in LAW AND TECHNOLOGY: AN INTERFACE (K. Prasanna Rani, ed., Icafi University Press, Hyderabad, India, 2009)).
- The Three Faces of Retainer Care*, 7 YALE J. HEALTH POL'Y, L., & ETHICS 39 (2007).
- Rankings, Reductionism, and Responsibility*, 54 CLEV. ST. L. REV. 115 (2006) (invited piece for symposium in honor of Margaret Jane Radin) (excerpted in Bellia, Post, & Berman's textbook *Cyberlaw*).
- Toward an Ecology of Intellectual Property: Lessons from Environmental Economics for the Valuation of Copyright's Commons*, 8 YALE J. L. & TECH. 78 (2006).
- Breaking the Vicious Circularity: Sony's Contribution to the Fair Use Doctrine*, 55 CASE W. RES. UNIV. L. REV. 777 (2005) (invited piece for Law, Technology, and the

Arts Symposium: “Copyright and Personal Copying: Sony v. Universal Studios Twenty-One Years Later”).

Two Concepts of Immortality: Reframing Public Debate on Stem Cell Research, 14 YALE J.L. & HUMAN. 73 (2002).

Beyond Napster: Using Antitrust Law to Advance and Enhance Online Music Distribution, 8 B.U. J. SCI. & TECH. L. 451 (2002) (with Kimberlee Weatherall and Matthew Fagin).

Selected Editorials and Interviews

Education and the New Laws of Robotics (interview with Neil Selwyn), POSTDIGITAL SCIENCE & EDUCATION (forthcoming, 2022).

If You Don't Trust A.I. Yet, You're Not Wrong, N.Y. TIMES, July 30, 2021 (with Gianclaudio Malgieri).

Now that Science Fiction is Reality, It's Time for New Laws of Robotics, BOSTON GLOBE, Feb., 2021.

Machines Set Loose to Slaughter: The Dangerous Rise of Military AI, GUARDIAN, Oct., 2020.

More Than a Feeling, REAL LIFE MAGAZINE, Sept., 2020.

Odd Numbers: Algorithms alone can't meaningfully hold other algorithms accountable, REAL LIFE MAGAZINE, Aug., 2018.

Our Lives in a Scored Society, LEMONDE DIPLO, 2018. (This was translated into several languages.)

Get Off the Trolley Problem: Self-driving cars shouldn't have to choose who to protect in a crash, SLATE, 2016.

The Dubious Ethics of Drone Warfare, CHRON. HIGHER EDUC., Nov., 2015.

How to Tame an Internet Troll, CHRON. HIGHER EDUC., Sept., 2015.

Digital Star Chamber, AEON MAG., July, 2015.

We're Being Stigmatized by 'Big Data' Scores We Don't Even Know About, L.A. TIMES, Jan. 15, 2015.

The Dark Market for Personal Data, N.Y. TIMES, Oct. 16, 2014.

Service at Brooklyn Law School

- Member, Faculty-Board Liaison Committee (2022-present)
- Member, Workshop Committee (2020-21).
- Chair, Sabbatical Leave Committee (2022-present).
- Chair, Long-term Planning Committee (2021-2). Elected member (2022-present).
- Advisor, Antitrust & Competition Law Association (2020-present).
- Informal Advisor, Health Law & Policy Fellows Program (2020-present)

Service at the University of Maryland

- Chair of the Library & Technology Committee (2018-9)
- Chair of the Diversity & Professionalism Committee (2014-15; 2017-18)
- Member, Dean Search Committee (2013-14)
- Member, Advisory Committee on ELSI of Big Data (2013-17)
- Health Law & Policy Program Faculty (2013-2020). Program consistently ranked in the top 10 by *US News & World Report*.
- Co-Chair, MPower Committee (2013-14). Committee coordinated planning for collaboration to develop non-JD degree programs at College Park campus).
- University Faculty Senator (2014-17); Faculty Senate Advisory Council (16-17).
- Advisory Committee on Undergraduate Program in Law & Social Thought (2014-2020).

Service at Seton Hall University

- Chair, Academic Credentials Committee (2011-13)
- Member of the Health Law and Policy Program, (2004-13). Attended and planned conferences on health law, and assisted in event planning and curricular planning.

- Chair, Library and Information Technology Committee, Fall 2007. Ran committee meetings and researched ways of reducing costs of the library and increasing its effectiveness.
- Chair of Ad Hoc Self-Study Technology Committee, 2006. Wrote report on the past five years of technology use at Seton Hall, and future plans.
- Associate Director, Gibbons Institute of Law, Science, and Technology, 2006 - 2009. Responsible for assisting Director in programming, advising students about careers in IP and technology related industries.
- Member, Appointments Committee, 2005-2009. Participated in committee's exhaustive review of resumes, attended meetings, interviewed candidates, attended most job talks, and tried to recruit candidates.
- Events: Attended Admissions Events, student recruitment, Faculty Scholarship Retreats, Alumni Dinner Dances, *inter alia*.

Professional Service, Outreach, and Commentary

- Co-editor-in-chief, *Journal of Cross-Disciplinary Research in Computational Law* (CRCL), 2020 – present.
 - General Co-Chair, CRCL Conference (“Computational Law on Edge”) (2022).
- Partner Investigator, Australian Research Council (ARC) Centre of Excellence on Automated Decision-Making & Society (ADM+S), 2020 – present.
- Member, International Observatory on Vulnerable People in Data Protection (Vulnera), 2022-present.
- Advisory Board Member, *The Digital Constitutionalist* (online publication), 2022-present.
- Series Editor (with Julia Powles) of Critical Law & Technology Studies book series for Oxford University Press, 2020 - present.
- Member, Scientific Advisory Board, *Digital Society* (Springer journal), 2021 – present.
- Member, Advisory Board, Minderoo Tech & Policy Lab, University of Western Australia, 2020 – present.
- Member, Editorial Board, *Law, Technology, and Humans* (based at the University of Queensland) (2019 – present).

- Member, Editorial Board, *Digital Society* (2021 – present).
- Advisory Editor, Oxford Law Handbooks Online, Oxford University Press (2016-2018).
- Reviewer of book proposals for Yale, Harvard, Stanford, Princeton, Oxford, Cambridge, MIT, and Michigan University Presses (2008 to present).
- Served as co-host of *The Week in Health Law* (with Nicolas Terry), for over 135 episodes, each about 40 minutes in length, featuring health law scholars from around the world (2016-2018)
- Editor-in-Chief, *Laws* (a peer-reviewed, open access journal) (2015-17).
- Contributing Writer at *The Atlantic* (2015). Have written pieces for *The New York Times*, *Boston Globe* (cover of the “Ideas” section, Feb. 2021), *MIT Technology Review*, *Guardian*, *American Affairs*, *The Los Angeles Times*, *Slate*, *Aeon*, *Real Life*, and other outlets.
- Founding Member of *Concurring Opinions, LLC*, a limited liability corporation operating a general interest weblog and directory of scholarship. The blog regularly organized online symposia on scholarly books in law (2008-2018).
- Contributing Editor, *Jotwell (Journal of Things We Like (Lots))*, Cyberlaw Section, at <http://cyber.jotwell.com/>. This online journal is designed to recognize and raise awareness of outstanding legal scholarship.
- Writer at *Balkinization* and *Law & Political Economy* (legal blogs).
- Featured Scholar, *Technology, Academics, Policy*.
- Repeatedly quoted in the *New York Times*, *Financial Times*, *ProPublica*, *Boston Globe*, *San Francisco Chronicle*, *Los Angeles Times*, *IEEE Spectrum*, and many other publications, and interviewed on multiple podcasts and radio programs.
- President of the Yale Law School Alumni Assoc. of New Jersey, 2006 to 2008.

Other Employment

Arnold & Porter, Washington, DC
Associate, 2002-2004

Focused on intellectual property and antitrust litigation. Matters included internet trademark infringement, software copyright and patent infringement, and competition law in health care.

Judge Kermit V. Lipez, First Circuit Court of Appeals, Portland, ME

Law Clerk, 2001-2002

Researched and wrote on legal issues concerning a wide range of civil and criminal litigation.

Legal Services Center of Yale Law School, New Haven, CT

Student Director, 2000-2001

Advocated on behalf of individuals with disabilities. Represented claimants in social security appeals. Presented benefits information to community groups.

Institute for Defense of Intellectual Property & Competition, Lima, Peru

Fellow, Summer 1999

Analyzed Peruvian administrative law in a cross-national context. Researched interaction of firms and regulators.

Cambridge and Somerville Legal Services, Cambridge, MA

Director of Small Claims Advisory Service, 1995-1996

Assisted more than 500 low-income consumers seeking legal remedies or defense in small claims disputes.

Executive Office for Consumer Affairs and Business Regulation, Boston, MA

Intern, Summer 1993

Filed complaints against unfair business practices. Answered consumer hotline. Devised test to determine future interns' knowledge of consumer law.

Organization for a New Equality, Boston, MA

Intern, Summer 1993

Researched enforcement of the Community Reinvestment Act. Promoted policies designed to stop redlining of minority communities.

Selected Presentations

Governmental

Consultation on Regulation of Credit Scoring and Other Consumer and Employee Scoring, U.S. Government Accountability Office, Dec., 2020.

Opening Remarks, Virtual Hearing on Privacy, Confidentiality and Security Considerations for Data Collection and Use During a Public Health Emergency, Subcommittee on Privacy, Confidentiality, and Security of the National Committee on Vital and Health Statistics, Department of Health and Human Services, Sept., 2020.

Briefing on New Developments in Privacy Law, for members of the House Energy & Commerce Committee, Sept., 2018.

Briefing on Social Media Regulation, for staffers at the Senate Intelligence Committee, Aug., 2018.

Ratings, Rankings, and Risk Adjustment, Webinar for the Center for Medicare and Medicaid Innovation, Centers for Medicare and Medicaid Services, Mar., 2018.

Machine Learning in Government, Consultation with *Canada Beyond 150* Government Advisory Committee, Mar., 2018.

Witness, *Algorithms: How Companies' Decisions About Data and Content Impact Consumers*, House Energy & Commerce Committee, Washington, D.C., Nov., 2017.

Presenter, House Progressive Caucus/House Judiciary Committee Briefing on Antitrust Law & Policy, Washington, D.C., Nov., 2017.

Witness, *Exploring the Fintech Landscape*, Senate Committee on Banking, Housing, and Urban Affairs, Washington, D.C., Sept., 2017.

Regulating Automation and Machine Learning, Presentation before representatives of Directorates-General of the European Commission, Brussels, June, 2017.

Emerging Issues in Fairness, Accuracy, and Transparency of Data Driven Classifications, Talk for Staff at the Office of the Privacy Commissioner of Canada, June, 2017.

Competition and Privacy in an Era of Automation, Presentation to Representatives of Directorates-General, European Commission, June, 2016.

Privacy and Security Requirements for Personal Health Records, Department of Health and Human Services/Federal Trade Commission Roundtable on Electronic Health Records, Dec. 2010.

Talks at Universities and NGOs

Convergence and Divergence Between EU and US AI Policy, U.S.-China Dialogue on the Governance and Ethics of Artificial Intelligence, Yale University Tsai Center, Aug., 2022.

Interrogating Emotion Machines: Five Critiques of Affective Computing, Digital Cultures and Societies Research Hub Launch, University of Queensland, July, 2022.

Computational Law Enforcement: On Emerging AI for Policing and Regulation, Seminar on Ethics and Law of AI, Asus-National Taiwan University (NTU) Joint Research Center and Information Law Center, Institutum Iurisprudentiae at Academia Sinica, July, 2022.

Critical Issues in Medical AI Law and Policy: Reimbursement, Liability, and Regulation, 2022 Seminar on Ethics and Law of AI, Asus-National Taiwan University (NTU) Joint Research Center and Information Law Center, Institutum Iurisprudentiae at Academia Sinica, July, 2022.

Automated Grace: Toward More Humane Benefits Administration via Artificial Intelligence, University of Melbourne Centre for AI and Digital Ethics, July, 2022.

How AI is Changing Medical Practice (presentation on law and policy issues raised by AI in medicine, followed by a panel with an Australian attorney and physician), University of Sydney, July, 2022.

The Generative Potential of Rights to Information Access in an Era of Digitized Judgment, Keynote, 2022 ADM+S Symposium (Automated Societies: What do We Need to Know), July, 2022.

New Rights to Know: Data Access in the Context of Automated Decision Making, Public Workshop Sponsored by the University of Melbourne Centre for AI and Digital Ethics and the ARC Centre of Excellence for Automated Decision Making and Society, Melbourne, July, 2022.

Levels and Kinds of Explanation, Explainable Machines Conference, Bielefeld, Germany (Paderborn University), June, 2022.

Rights of Access to Information in the Private Sector: What Can We Know About the Corporate Profiling of Consumers, Workers, and Job Applicants?, Clube Data Masterclass Internacional (Brazil), June, 2022.

Who Will Assist Us in Virtual Worlds?, La Caixa Foundation, Barcelona, June, 2022.

Automated Grace: Positive Use Cases for Black Box AI in Benefits Administration, Institute for the Future (Stockholm) Conference on AI in Public Administration, May, 2022.

The Black Box Society Revisited and Machines Judging Humans, University of Pavia Spring School in Medical Research: Law, Science & Technologies, May, 2022.

Regulating AI Judgment: Is a Clash of Rights on the Horizon?, Keynote Address for the Gonzaga University School of Law Human Rights Conference, May, 2022.

The Digitization of Judgment: Case Studies in AI, Law, and Ethics, Trans-Atlantic Tandem Talk for the University of Cologne, co-sponsored by the Consulate General of the Federal Republic of Germany in New York, the German Embassy in Washington D.C., Deutsches Haus at NYU, DAAD New York, the German Research Foundation (DFG) North America, the German Center for Research and Innovation (DWIH) New York, 1014 Space for Ideas, and the Goethe Institute New York, Apr., 2022.

Critical Perspectives on Affective Computing, “Being Human” Workshop sponsored by the Social Sciences and Humanities Research Council of Canada, Cornell Tech, Apr., 2022.

Refining or Limiting the Digitization of Judgment, European Trade Unions Institute Series, May, 2022.

AI in Health Care Law and Policy, American Society for Health Care Risk Management, Mar., 2022.

Commenter, Release of Report on Social Issues in Automated Decisionmaking in Health Care, Monash University (Australia), Mar., 2022.

Playing with Black Box AI: The Subjective Experience of Self-Presentation for Algorithmic Audiences, “Discovering AI Discovery” Workshop, Sussex University, Jan. 2022.

Reinforcement of What? Shaping the Digitization of Judgement by Reinforcement Learning, Political Economy of Reinforcement Learning (PERLS) Workshop at the Neural Information Processing Systems Conference, Dec. 2021.

Two Waves of Algorithmic Accountability for Mental Health Apps, University of Ottawa, Dec. 2021.

The Digitization of Judgment, University of Hamburg (Germany), Nov. 2021 (part of the “Taming the Machines” talk series).

Two Waves of Algorithmic Accountability for Mental Health Apps, American Psychological Association Conference on Technology, Mind, and Society, Nov. 2021.

Reflections on the Right to Repair, University of Western Ontario, Oct., 2021 (talk and workshop).

The New Antitrust, Yale Law School Information Society Project Ideas Lunch, Sept., 2021.

Debunking Robot Rights: Metaphysically, Ethically, and Legally (with Abeba Birhane), We Robot Conference, Sept., 2021.

AI Accountability via Licensing (with Gianclaudio Malgieri), EPIC Privacy Workshop, Sept., 2021.

Playing With (or being Played By) Black Box AI: The Subjective Experience of Self-Presentation for Algorithmic Audiences, Presentation for the Writing Machines Collective, Hong Kong, Sept., 2021.

Presenter, for *Access Data - Regulating AI: The Commission's proposal of an Artificial Intelligence Act: Legal Assessments*, University of Trier, July, 2021.

Commenter (Young Scholars Workshop), Manchester Summer Academy, July, 2021.

A Law & Political Economy Approach to High Tech Antitrust, AMRI Summer Academy, July, 2021.

Keynote: *Regulation of AI in Labor Relations*, European Group on Organizational Studies (EGOS), Conference on AI at Work, July 2021.

The European Union AI Act: A U.S. Perspective, Conference on the EU Commission’s Proposal for an AI Regulation, Institute for Digital Law, University of Trier, July, 2021.

Keynote: *Battle of the Experts: Meta-Expertise and Search*, Canadian Association of Law Librarians 2021 Conference, June, 2021.

Anticipating Regulatory Arbitrage and Employer Resistance to the Proposed EU AI Regulation, AI for Fundamental Rights at Work, Lund University (Sweden), June, 2021.

One of three main interlocutors, *Freedom to Deviate in the Algorithmic Society*, Normative Orders series of the Goethe University (Germany), June, 2021.

Interlocutor, *The Future of Rights*, Notre Dame/IBM Tech Ethics Lab, June, 2021.

Platform Neutrality for an Automated Public Sphere, Digitization and Democracy (joint webinar by the Israel Academy of Sciences and Humanities (IASH), the U.S. National Academy of Sciences (NAS), and the German National Academy of Sciences Leopoldina), June, 2021.

Unlawful Until Proven Otherwise? Licensing High Risk AI (with Gianclaudio Malglieri), TILTING Perspectives 2021: Regulating in Times of Crisis, May, 2021 (Tilburg University, Netherlands).

The Digitization of Judgment, Max Planck Institute for the Study of Societies (Cologne, Germany), May, 2021.

Keynote: *Machines Judging Humans*, The Digital State Conference, Kings College London, May, 2021.

Machines Judging Humans, The Oxford Center for Research in the Humanities (TORCH), Oxford University, May, 2021.

The Perils of Regimented Self-Presentation in an Era of Affective Computing, Privacy Studies Journal Inaugural Conference, April, 2021.

From Citizens United to Bots United, Harvard University (Carr Center for Human Rights), April, 2021.

Manufactured Speech: Affective Computing and Automated Text Generation as Crises of Meaning, University of Padua, March, 2021.

Commenter on Jenna Burrell & Marion Fourcade's "The Society of Algorithms," Columbia University Sociology Department Seminar, Feb., 2021.

Commenter on Anu Bradford's "The Future of Liberal Democracy in the Era of Surveillance Capitalism and Digital Authoritarianism," Brooklyn Law School Block Center Symposium, Feb., 2021.

Keynote: *Machines Judging Humans*, Embedding AI in Society Symposium, North Carolina State University, Feb., 2021.

Keynote: *Building Data Infrastructure to Prevent Pandemics*, at the conference Digital Governance in Times of Covid-19, ERASMUS Programme of the European Union and Bar-Ilan University, Feb., 2021.

Commenter, Power and Procedure: Emerging Scholars Workshop, Law & Political Economy Project, Feb., 2021.

Data-Informed Duties for AI Development, U.C. Irvine Law School Series on AI Law & Policy, Feb., 2021.

Commenter, Classcrits Junior Scholar Works-in-Progress Workshop, Feb., 2021.

Moderator and Commenter, Young Scholars Initiative of the Finance, Law and Economics Working Group of the Institute for New Economic Thinking, Jan. 2021.

Keynote: *From Territorial to Functional Sovereignty in the Digital Sphere*, Hong Kong University Law Tech Conference: Data Sovereignty along the Digital Silk Road, Jan., 2021.

Categorizing Use Cases for Black Box AI in Administrative Adjudications, Duke University Symposium on Black Box Artificial Intelligence and the Rule of Law, Jan., 2021.

Explanation as a Constitutive Practice in Law, COHUBICOL Workshop, Radboud University, Nijmegen, Netherlands, Dec., 2020.

Privacy and First Amendment Concerns in Mass Facial Recognition, Presentation for the Electronic Privacy Information Center, Dec., 2020.

From Meta-Expertise to Peaceable Kingdom: Two Visions for the Future of AI and the Professions, Keynote Address, 8th Annual Academia Sinica Conference on Law, Science and Technology, Taipei, Taiwan, Nov., 2020.

Licensure as Data Governance: Toward an Industrial Policy for AI, Knight Foundation Conference on Data and Democracy, Oct., 2020.

The Political Economy of Health Law, Talk for the New York University Law & Political Economy Society, Oct., 2020.

AI and Machine Learning Law and Policy in U.S. Health Care, Yale Tsai Center Scholarly Exchange, New Haven and Beijing, Sept., 2020.

New Laws of Robotics Book Talks, Sept., 2020 to Nov., 2021:

<i>Americas</i>	<i>Asia, Australia, and MENA</i>	<i>Europe and U.K.</i>
1) Brooklyn Book Festival	1) Academia Sinica (Taipei)	1) TRUST 2020, Copenhagen
2) Gonzaga University (health law conference keynote)	2) UNSW (Sydney) Allens Hub Lecture	2) IAS at University College London
3) Brooklyn Law School	3) Global Human Resources Forum (Seoul)	3) Biennale Tecnologia (Turin)
4) Illinois Institute of Technology/Chicago-Kent College of Law	4) Center for Legal Studies on Big Data and Artificial Intelligence, Law School of China University of Political Science and Law (Beijing)	4) Cambridge University Trust and Technology Initiative
6) N.C. St. Univ.	5) Monash University ARC Centre (Melbourne)	5) OII of Oxford University
7) Digilabour Research Lab (Brazil)	6) Istanbul Summer AI Academy	6) Cambridge University Center for Research in Arts, Social Sciences, and Humanities (CRASSH)
8) Noblis		7) Greenwich University (London)
9) Washington & Lee University Law School		8) Department of Public, International and Community Law, Univ. of Padua
10) Virginia Tech		9) PhD Journal Club, Copenhagen University
11) AIPLA		10) Manchester University (U.K.)
12) Rutgers Computer Law Journal		11) University of Graz (Austria)
13) Kings College		12) European Law School at Humboldt University
14) Fordham Law School		13) <i>Wired</i> Italy Festival

Legal Implications of Public Health Surveillance and Contact Tracing, Social Science Research Council, July, 2020.

Machines Judging Humans: The Promise and Perils of Formalizing Evaluative Criteria, Haverford College Spring Symposium Series on Technology and Justice, Haverford, Penn., Feb., 2020.

Regulating Affective Computing, University of Pennsylvania's *Asian Law Journal* Annual Symposium, Philadelphia, Penn. (Feb., 2020).

Commenter on Bernard Harcourt's Critique & Praxis, Class Crits Conference, Springfield, Mass., Nov., 2019.

Machines Judging Humans, Fordham Law School Faculty Workshop, Oct., 2020.

Presentations and Workshop on AI & Law, University of Western Australia and Minderoo Foundation, Perth, Australia, Oct., 2019.

Machines Judging Humans, Humber College, Toronto, Sept., 2019.

Data-Driven Duties for AI Development, Keynote for the Inaugural HKU Technology Law Symposium: Rising to Legal Challenges in the Age of Artificial Intelligence, July, 2019.

Data-Driven Duties for AI Development, Keynote for the Digital Citizen Conference, University of Melbourne Law School, July, 2019.

Two Narratives of Platform Capitalism, Presentation for the Technology Law Discussion Group, Queensland University of Technology (Brisbane, Australia), July, 2019.

Data-Driven Duties for AI Development, Queensland University of Technology (Brisbane, Australia), July, 2019 (public lecture).

New Laws of Robotics, Association for the Promotion of Political Economy and Law Workshop, June, 2019.

Dignity and Deals, Mini-Plenary at Law & Society, Washington, D.C., June, 2019.

The Politics of Expertise, Panelist for Political Economy Collaborative Research Network, Law & Society, Washington, D.C., June, 2019.

Data-Driven Duties for AI Development, at Algorithms on the Shop Floor: Data-driven Technologies in Organizational Context Workshop, New York, June, 2019.

Writing, Thinking, and Automation in the Administrative Process, Dinner Presentation for the Spring Meeting of the Maryland Administrative Law Judiciary (MAALJ), Baltimore, May, 2019.

Preserving Well-Ordered Societies: Toward a Thick Theory of Media Regulation, International Communication Association Pre-Conference, Washington, D.C., May, 2019.

Persons Judged by Machines, Opening Keynote for the International Association of Constitutional Law Conference, European University Institute, Florence, Italy, May, 2019.

The Rise of AI in Finance, Pontifical Academy of the Social Sciences, Vatican City, May, 2019.

Legal Responses to Bias in Big Tech, Hoover Institution, Washington, DC, May, 2019.

The Chinese Social Credit Scoring System and the Asian Values Debate, presenter, Tipping Points in International Law workshop, American Society of International Law, Washington, DC, May, 2019.

Artificial Intelligence, Due Process, and Human Responsibility, Center for Cyberspace Law and Policy Distinguished Lecturer, Case Western Law School, Cleveland, Apr., 2019.

Data-Driven Duties for AI Development, Symposium, *Columbia Law Review*, New York, NY, Apr., 2019.

Artificial Intelligence in the Legal Field, Maryland State Bar Association (Young Lawyers Section), Baltimore, MD, Mar., 2019.

The Rise of AI in Finance, at *Rise of the Machines: Experts Look at AI, Robotics and the Law*, Fordham Law School, New York, NY, Feb., 2019.

Politicizing the Rules for Adjudicating the Rules for Promulgating Rules, Comment on Lorraine Daston's 2019 SSRC Fellow Lecture, Roosevelt House, Public Policy Institute, Hunter College, New York, NY, Feb., 2019.

Data-Driven Duties for AI Development, Seminar on Data Classification and Everyday Life, Center for Cultural Analysis, Rutgers School of Arts and Sciences, New Brunswick, NY, Jan., 2019.

Rethinking Legal Automation, Skype Presentation for Hanover Law School (Germany), Jan., 2019.

Functional Sovereignty, Tech for Good Live podcast, Manchester, UK, Dec., 2018.

Algorithmic Accountability in an Era of Automation, Manchester Co-Op, Manchester, UK, Dec., 2018.

The Law and Policy of AI, Robotics, & Telemedicine in Health Care, discussion panels, Yale Law School conference, New Haven, CT, Nov., 2018.

Antitrust and Regulatory Approaches to Platform Power, presenter, George Washington University Institute of Public Policy event, Crafting Effective Rules for Internet Platforms, Washington, D.C., Nov., 2018.

From Cost Disease to Cost Cure: Revitalizing Economic Growth with Renewed Commitment to the Caring Professions, TEDx, University of Maryland, Baltimore, Nov., 2018.

Taking Competition Policy Seriously in an Era of Platform Power, presenter, Federal Trade Commission's Hearing on Remedies for Competition Problems in Data Markets, American University Washington College of Law, Washington, D.C., Nov., 2018.

The Promise and Threat of Algorithmic Governance, Purdue University's Dawn or Doom Tech Conference. I also led a discussion group for Purdue's Diversity and Data Initiative on algorithmic discrimination. West Lafayette, Indiana, Nov., 2018.

Making the Black Box Speak, filmed live in Baltimore and participated in virtually, for exhibition in Vienna, Austria, Oct., 2018.

Social Science Research Council's "Anticipatory Social Research" workshop, participant, presenting on the politics of expertise, Oct., 2018.

Keynote speaker at the Amsterdam Privacy Conference (APC), Amsterdam, Netherlands, Oct., 2018.

The Right to Explanation of Automated Profiling, presentation pursuant to the EU's General Data Protection Regulation, Amsterdam, Netherlands, Oct., 2018.

Technological Arms Races and the Theory of Social Acceleration, Cornell Tech, New York, NY, Sept., 2018.

Challenges Posed by Black Box Finance, "10 Years After the Financial Crisis" Conference, Georgetown Law, Washington, DC, Sept. 2018.

Algorithmic Accountability, cross-faculty consultation, Monash University, Melbourne, Australia, Aug., 2018.

The Black Box Society, day-long workshop, Social Sciences and Humanities Advanced Research Centre (SSHARC), University of Sydney, Australia, Aug., 2018. At this workshop, social scientists, attorneys, and humanities scholars presented responses to chapters of my book, and I responded. Several of their responses will be published in a special issue of *Big Data & Society*.

Written on the Body: Health Status in a Portfolio Society, Public Lecture in Melbourne, Australia, for the Culture | Media | Economy program of Monash University, Aug., 2018.

The promise (and threat) of algorithms, Public Lecture co-sponsored by the University of Sydney's Social Sciences and Humanities Advanced Research Centre (SSHARC) and Sydney Ideas, Aug., 2018.

The Algorithmic Accountability Research Agenda, Cross-faculty consultation, Monash University, Aug. 2018.

Master class on the political economy of new media for Media Studies Ph.D. students at the University of Sydney, Aug., 2018.

In conversation with Dr. Julia Powles on artificial intelligence law and policy, University of New South Wales Law School, Aug., 2018.

The Limits of Artificial Intelligence in Finance, Keynote Address for the Interdisciplinary Perspectives on Accounting Conference, Edinburgh, U.K., July, 2018.

From Cost Disease to Cost Cure: Embracing Expensive Automation, the second lecture of the Edinburgh Futures Institute Series, University of Edinburgh, July, 2018.

The Political Economy of Killer Robots, public lecture at the Manchester International Law Centre of the University of Manchester, July, 2018.

The Problem of Black Box Algorithms in Government, Presentation for the civic tech group Gov-Zero, Taipei, June, 2018.

Legal Automation, the Rule of Law, and Rule by Law, Keynote Address at the annual conference of the International Society for Public Law, Hong Kong, June, 2018.

Machine Learning, Meaning, and Law, presentation at the conference “The Emergence of Computational Legal Studies,” Hong Kong University, June, 2018.

After Black Box Society, Public Lecture at the Invitation of the Research Institute of the Social Sciences and Humanities at National Taiwan University, Taipei, June, 2018.

The Problem of Black Box Algorithms in Government, Presentation for the civic tech group Gov-Zero, Taipei, June, 2018.

Machine Learning, Meaning, and Law, presentation at the Academia Sinica’s Institutum Jurisprudentiae, Taipei, June, 2018.

The Politics of Expertise: From CBO to OMB, presentation at the Association for the Promotion of Political Economy and Law Conference, U. Mass Amherst Political Economy Research Institute, June, 2018.

The Devil is in the Data’s Details, for the conference “AI in Strategic Context: Development Paths, Impacts, and Governance,” UCLA School of Law, Los Angeles, California, May 2018.

Participant, Columbia University SIPA Workshop on the Digital Economy, May, 2018.

Privacy, Secrecy, and Corporate Data Flows, public lecture for Pomona College’s “Tech for Good” student group, May, 2018.

Law and Policy Implications of Substitutive and Complementary AI in Health Care, Johns Hopkins Berman Institute of Bioethics, Apr., 2018.

Participant, *Political Economy of Technology Workshop*, Yale Law School, Apr., 2018.

The Devil is in the Data's Details, presentation on a panel for Seton Hall University's conference on AI law & policy, Apr., 2018.

Consultation on "New Media and Democratic Risks," for the Public Policy Forum and the School of Public Policy and Global Affairs at the University of British Columbia, Mar., 2018.

Panelist, *A First Amendment for All? Free Expression in an Age of Inequality*, Columbia Law School, Mar., 2018.

Reconciling Common Carrier and Intermediary Responsibility Regulation, Georgetown Advanced Technology Law & Policy Seminar (Mar., 2018).

The Political Economy of Killer Robots: Rethinking the Supply and Distribution of Lethal Autonomous Weapon Systems," Yale Law School Information Society Project, Jan., 2018.

Net Neutrality and a Public Option for Internet Services, University of Maryland, Feb., 2018.

Two Narratives of Algorithmic Credit Determinations, Section on Financial Institutions & Consumer Financial Services, panel on "The Future of Money: Exploring Innovative Technology and Design in Banking," at the AALS Annual Conference in San Diego, California, Jan., 2018.

The Automated Public Sphere, Section on Internet & Computer Law, panel on "Influencing Information in the Internet Age," at the AALS Annual Conference in San Diego, California, Jan., 2018.

The Limits of Legal Automation, Section on Civil Procedure, panel on "Procedure as Technology/Technology as Procedure," at the AALS Annual Conference in San Diego, California, Jan., 2018.

State Single Payer Initiatives, Section on Law, Medicine, and Health Care, panel "From Obamacare to Trumpcare," at the AALS Annual Conference in San Diego, California, Jan., 2018.

Machine Learning, Meaning, and Law, Cybernetics Conference, New York City, Nov., 2017.

From Territorial to Functional Sovereignty, Keynote Address, Friedrich Ebert Stiftung, Berlin, Nov. 2017.

Beyond Instrumentalism in Law and Technology Studies, Stanford Law School Conference “What’s Law Got to Do With It,” Nov., 2017.

The Law and Policy of the Learning Health Care System, Washington University in St. Louis, Sept., 2017.

Participant at “The Future of Artificial Intelligence,” Berggruen/CIFAR Workshop, New York City, Aug., 2017.

Profession, Piecework, PR, or Propaganda?: Futures of Journalism in an Era of Automation, Keynote, Data/Power Conference, Ottawa, Canada, June, 2017.

The Perils of Automating Health Care Compliance Policies, American Society for Law, Medicine, and Ethics Annual Meeting, Atlanta, June, 2017.

Co-organizer and Co-host, Annual Meeting of the Association for the Promotion of Political Economy and Law, University of Maryland (Baltimore), June, 2017.

Regulating Automation and Machine Learning, Presentation before representatives of Directorates-General of the European Commission, Brussels, June, 2017.

A Rule of Persons, Not Machines, Joint Law & Philosophy Departmental Talk, Universite Libre de Bruxelles, June, 2017.

The Paradox of Cost, Cambridge University, Center for Research in Arts, Social Sciences, and Humanities (CRASSH), May, 2017. I also served as a Visiting Fellow for a week in May, attending events at CRASSH.

Algorithmic Unfairness, public address sponsored by the Rosa Luxemburg Foundation and Algorithm Watch, Berlin, May, 2017.

The Automated Public Sphere, Keynote Address, Re:Publica Conference, Berlin, May, 2017.

Participant, *Workshop on New Media Platforms*, Media Authority of Berlin and Brandenburg, Blankensee, Germany, May, 2017.

Explaining Algorithmic Credit Determinations: Functionalism vs. Conflict Theory, Conference on Algorithms and Explanations, NYU Law School, New York, May, 2017.

Big Data and Food Advertising Regulation, RWJF Annual Grantee Meeting, St. Paul, Minnesota, April, 2017.

Convener, Workshop on Medical Automation and Robotics Law & Policy, University of Maryland, April, 2017.

Beyond Artificial Municipal Intelligence: From Smart Cities to Wise Cities, Urban Law Day, United Nations, New York, April, 2017.

Participant, *The Politics of Listening*, Dialogue at the Vera List Center for Art and Politics, New School for Social Research, New York City, April, 2017.

Commenter on Barocas & Selbst paper on the Right to an Explanation in the US and Europe, We Robot, Yale Law School, April, 2017.

The Limits of Legal Technology, Conference on Artificial Intelligence and Law, University of Toronto, March, 2017.

Algorithmic Accountability Meets #LegalTech, Centre for Ethics, University of Toronto, March, 2017.

When Antitrust Becomes Pro-Trust: The Digital Deformation of U.S. Competition Policy, Stigler Center for the Study of the Economy and the State, Chicago Booth School of Business, March, 2017.

A Rule of Persons, Not Machines, Osgoode Hall Law School, Toronto, March, 2017.

Big Data Futures, Queens University (Kingston, Ontario) (part of a BD175 series celebrating the university's 175th anniversary), March, 2017.

A Rule of Persons, Not Machines, Queens University Law School, March, 2017.

Preserving Professional Judgment in an Era of Automation, Pittsburgh University, Conference on the work of Philip Mirowski, March, 2017.

The Future of the Professions in an Era of Automation, National Taiwan University, Taipei, Taiwan, March, 2017.

American Health Data Law, Academia Sinica Workshop on Health Privacy, Taipei, Taiwan, March, 2017.

Panelist, *The Future of Intelligence* (in dialogue with Nobelist in Medicine, Edvard Moser), Nobel Prize Dialogue, Tokyo, Japan, Feb., 2017.

Algorithms and Social Justice, Open Society Institute, New York City, Feb., 2017.

A Rule of Persons, Not Machines, Princeton University Center for the Study of Social Organization, Dec., 2016.

Regulation by Algorithm: Blockchain Technology & Financial Data, Hariri Institute for Computing and Computational Science & Engineering, Boston University, Nov., 2016.

The Future of Fair Data Practices, Hariri Institute for Computing and Computational Science & Engineering, Boston University, Nov., 2016.

Comment on Balkin's "Three Laws of Robotics," Ohio State University, Oct., 2016.

The Future of Health Law, Yale Law School Reunion, Plenary Alumni Panel, Oct., 2016.

Implications of the EU Right to Explanation for US Privacy Law, Seton Hall Symposium on the GDPR, Sept., 2016.

Competition Law & Data Protection, Copenhagen Business School (via videolink), Sept., 2016.

Substitutive and Complementary Automation in the Health Sector, White House-sponsored AINow Conference, New York University, July, 2016.

The Black Box Society, Noblis, July, 2016.

Moderator, *Artificial Intelligence and Health Privacy*, Panel at Patient Privacy Rights Conference, Georgetown University Law Center, June, 2016.

Workshop on Data Security and Privacy, University of Toronto, May, 2016.

Cybersecurity for Health Care Providers, University of Maryland Cybersecurity Workshop, May, 2016.

Keynote Address, *Algorithmic Regulation*, New York University (Stern School of Business) Blockchain Workshop, Apr., 2016.

Ratings, Rankings, and Computational Integrity, University of Virginia School of Engineering and Applied Science, Mar., 2016.

Opening and Closing Remarks (as co-convener), *The Promise and Limits of Algorithmic Accountability in the Professions*, Yale Law School, Apr., 2016.

Algorithmic Accountability and Human Rights, New York University Law School, Mar., 2016 (for conference *Tyranny of the Algorithm*).

Workshop Participant, *Algorithms in the Public Sphere*, Data & Society, Mar., 2016.

The Promise (and Threat) of Algorithmic Accountability, Public Lecture (to launch LSE's M.Sc. in Data and Society), London School of Economics, Jan., 2016.

Bittersweet Mysteries of Machine Learning, LSE Workshop on Algorithmic Fairness & Accountability, Jan., 2016. I also helped edit the workshop leaders' statement on algorithmic accountability.

Consultation on big data and pharmacovigilance, European Medicines Agency, Jan., 2016. (Resulted in published interview in EMA Annual Report, May, 2016).

Data, dignity and technology: Exploring digital ethics (presentation of the the EDPS Ethics Advisory Group), CPDP 2016, Jan. 2016.

Political behavioural targeting, CPDP 2016, Jan. 2016.

Social Media Mistakes in Health Care Environments, Baltimore Bar Foundation CLE, Baltimore, MD, Jan., 2016.

Multiple presentations on data law and privacy for various directorates-general of the European Commission, December, 2015, and January, 2016.

Risk Mitigation Strategies for Platform Cooperatives, New School for Social Research, Nov., 2015.

Keynote Address, *Scenario Analysis for Smart City-Driven Economic Development*, Legal Scholarship 4.0 Conference, Northeastern University, Oct., 2015.

Commenter, Young Scholars' Papers, Legal Scholarship 4.0 Conference, Northeastern University, Oct., 2015.

Big Data Research and the Common Rule Revision, Council on Big Data, Ethics, and Society, Oct., 2015.

Inequality in the Information Economy, Yale Law School (Conference on Law & Inequality), Oct. 2015.

Balancing Privacy Obligations and Research Aims in a Learning Health Care System, Data & Society Research Institute, June, 2015.

Privacy in the Modern Age, NYU Law School, April 28, 2015.

Big Data in Contemporary Finance, Modern Money Network Workshop at Columbia Law School, April 27, 2015.

Participant in all-day workshop of the Council on Big Data, Ethics, and Society, on Human Subjects Protections in an Era of Big Data Research, and an NSF Coordination Network.

Online Harassment and Digital Reputation, New York Law School, Oct., 2015.

Technology, Self and Society in an Era of Digital Rankings, University of New England, Sept., 2015.

The Black Box Society, Book Talk, OECD, June, 2015.

The Black Box Society, Book Talk, Google London, June, 2015.

Big Data and Privacy, Royal Society for the encouragement of Arts, Manufactures and Commerce, June, 2015.

Debate: The internet is a failed utopia, Vanity Fair/Intelligence Squared Digital Summit, London, June, 2015.

Digital Competition Panel, Vanity Fair/Intelligence Squared Digital Summit, London, June, 2015.

Keynote Panelist, “Algorithms as Social Control,” *Theorizing the Web* (New York City), April 18, 2015.

Model Users, Presentation at the Columbia Center for the Study of Science in Society, for workshop “History of data / Data in history,” April 17, 2015.

The Fate of Social Science in a Black Box Society, invited lecture by the Columbia University Division of Social Science and other sponsors, Apr. 16, 2015. Poster below.

Algorithmic Injustice (video presentation), Global Conference on CyberSpace, The Hague (Netherlands), April 16, 2015.

The Black Box Society, live interview before real and web-based audience at Harvard Law School’s Berkman Center, April 7, 2015.

Four Futures of Legal Automation, Rutgers-Camden Law School Faculty Colloquium, March 30, 2015.

Commenter on two papers on law & synthetic biology, and law & genetics, at Yale Law School’s *Innovation Beyond IP* conference, March 28, 2015.

Mitchell Lecture: *Who Rules Big Data?*, SUNY Buffalo Law School, March 27, 2015.
Big Data Overdrive, Public Lecture for Undergraduates, UNC-Charlotte, March 12, 2015.

The Business of Reputation and Rankings, Public Lecture, UNC-Charlotte, March 12, 2015.

The Algorithmic Self, University of Virginia Institute for Advanced Studies in Culture, March 6, 2015 (via skype due to snowstorm).

The Ethics of Finance and Search Algorithms (via Skype), Technical University of Berlin, March 10, 2015.

Reputation and Big Data, Algorithms and Accountability Conference at New York University, Feb. 28, 2015.

The Black Box Society, webinar/phone interview with the Council for Institutional Investors.

The Black Box Society, interviews for Hispanic Marketing & Public Relations, RJ Eskow's *The Zero Hour*, the *Cyberlaw and Business Report*, Wharton Werbach (Wharton School of Business Radio), and many NPR outlets.

The Black Box Society, Book talk at Georgetown University Center for Privacy and Technology, Feb. 13, 2015.

Participant, Privacy Colloquium, Georgetown University, Jan. 30, 2015.

The Black Box Society, Book talk at the Harvard Club of New York City, Jan. 12, 2015.

Algorithmic Injustice, AALS Section on Internet Law, Washington, D.C., Jan. 2, 2015.

Political Economy & Law, AALS Socio-Economics Section, Washington, D.C., Jan. 3, 2015.

Keynote Address, "Opening Black Boxes," for Government Track of Meeting of International Association of Privacy Professionals, Dec. 2, 2014.

Automating the Automators, Digital Labor Conference, New School for Social Research, New York City, Nov. 15, 2014.

When Algorithms Replace Law in the Workplace, Digital Labor Conference, New School for Social Research, New York City, Nov. 15, 2014.

Participant in *Final Reflections* (plenary panel), Digital Labor Conference, New School for Social Research, New York City, Nov. 16, 2014.

Ghost in the Machine, Triple Canopy, New York City, Nov. 1, 2014.

Meaningful Use, Privacy, and Electronic Health Records under HITECH: Implications for Big Data-Driven Research in the Learning Health Care System, American Medical Informatics Association conference, Washington, DC, Nov. 20, 2014.

Co-Convener and Moderator, Big Data in Health Care: Emerging Privacy and Security Concerns, University of Maryland-Baltimore (worked on a committee to select and invite 3 cutting-edge speakers for all day session), Oct. 28, 2014.

The Scored Society (presented twice as “encore” paper), *Privacy Law Scholars Conference*, Washington, D.C., June 7 & 8, 2015.

Panelist on *Privacy, Big Data, and Mobile: Technologies Operating Outside HIPAA Protection*, Patient Privacy Rights Summit, June 6, 2015.

Privacy, Big Data, and Mobile: Technologies Operating Outside HIPAA Protection, Health Privacy Summit, Georgetown University Law Center, June, 2014.

The Scored Society, Privacy Law Scholars Conference, June, 2014.

Convener, Conference on *Critiquing Cost-Benefit Analysis of Financial Regulation* (event planned by Association of Professors of Political Economy and Law), May 20, 2014.

Privacy and Security Issues in mHealth, at Workshop, *Exploring Legal Challenges to Fulfilling the Potential of mHealth in a Safe and Responsible Environment*, Convened & Hosted by the American Academy for the Advancement of Science, June 16-17, 2014.

Ethics of Big Data in Medical Research, Johns Hopkins Berman Institute (2014).

Law’s Acceleration of Finance, University of Pennsylvania Law School Conference on Computer Science and Law, May 13, 2014.

Redescribing Health Privacy Law, University of Houston (Sept., 2013).

Equal Surveillance Under Law, Ewen Memorial Lecture, Brooklyn College, Apr., 2012.

Audit Trails and Open Data, Harvard-Georgetown Working Group on Market Democracy, July, 2012. (Follow up in Oct., 2012).

Social Network Privacy Law Update, AALS Midyear Meeting, June, 2012.

Law & Political Economy, Association of Professors of Political Economy and Law, Amherst, May, 2012.

Reputation Analytics, presented at Brooklyn Law School and U. Miami Law School, Feb., 2012.

Google’s Antitrust Dilemmas, inaugural conference of the Rutgers Intellectual Property and Information Law Institute (Nov., 2011).

Senior faculty reviewer, St. Louis Law School Health Law Scholars Workshop, Sept., 2011.

Google's Antitrust Issues, *Inaugural Conference of the Rutgers Innovation Policy and Law Center*, Nov., 2011.

Regulating "Big Data," ABA Section on Administrative Law and Regulated Industries, Spring Meeting at Princeton University, April, 2012.

Unilateral Conduct in High Tech Network Industries, Talk to ABA Antitrust Section's Committee on Unilateral Conduct, October, 2011.

Antitrust in High Tech Industries: talks on privacy, remedies, and market definition (three different talks at George Mason Law School in Nov., 2011, and January and May, 2012).

Beyond Competition and Innovation in the Network Neutrality Debate, Yale Law & Policy Review Symposium (Dec., 2010).

Data and Power, Yale Law School Symposium on Privacy and Innovation (Oct., 2010).

Search, Speech, and Secrecy: The Inversion of Network Neutrality, Princeton Center for Information Technology (Oct., 2010).

Systemic Risk: Understanding and Addressing Institutional Interconnectedness with New Information Technologies, Fordham Corporate Law Center (March, 2010).

From Medical Record to Medical Reputation, Plenary Session of the Future of Health Privacy Summit, Georgetown Law School, June, 2012.

Co-chaired *Panel on Pharmacogenomics, Privacy, and Innovation*, as Chair of AALS Section on Defamation and Privacy, AALS Annual Conference.

Reputation Regulation, Privacy Law Scholars Conference (June, 2010).

Discussions on Networked Publics IV: Infrastructure, Columbia University (Studio X Facility) (May, 2010).

Commenter, Conference on Data Privacy and Data Security in the Payment System, Brooklyn Law School (March, 2010).

Data as Infrastructure, Kauffman Foundation Roundtable on Innovation at Yale Law School; Silicon Flatirons Conference at Colorado University (November 2009; January 2010).

Privacy Implications of Sensor Networks, Government-University-Industry Research Roundtable, National Academy of Sciences (Feb., 2010).

Tensions Between Privacy, Trade Secrecy, and Innovation in Electronic Medical Records, Health Law Professors Conference (June, 2010).

Civil Liberties and Sensor Networks, Committee on Science, Technology, and Law, National Academy of Sciences (May, 2010).

Internet Nondiscrimination Principles for Competition Policy Online, Testimony Before the Task Force on Competition Policy and Antitrust Laws of the House Committee on the Judiciary (July, 2008), at http://judiciary.house.gov/hearings/hear_071508_1.html.

Noneconomic Dimensions of the Network Neutrality Debate, Testimony before the New York City Council Broadband Advisory Committee (March 2008), at http://isoc-ny.dreamhosters.com/wiki/NYCBAC_Queens_hearing.

Distributive Justice Online, New School for Social Research Conference on The Internet as Factory and Playground (November 2009).

Clandestinely Commensurating Computing, Cardozo Law School Faculty Speaker Series (Nov. 2009)

The Social Construction of Online Reputation, Telecommunications Policy Research Conference, George Mason Law School (Sept. 2009).

Beyond Innovation and Competition, Works in Progress Intellectual Property Conference, Seton Hall Law (Oct., 2009).

Lochnerizing Search, Center for Democracy and Technology (July 2009).

The Troubling Trend Toward Trade Secret Protected Rankings and Ratings, NYU Law Roundtable on Trade Secrecy Scholarship (Feb., 2009); Chicago IP Scholars' Colloquium (April, 2009); Cardozo IP Scholars Series (March, 2009).

Fixing Fusion Centers, with Danielle Citron at U. Maryland Faculty Workshop (June, 2009); Seton Hall Faculty Workshop (June, 2009); U. Maryland Roundtable on Technology and Privacy Law (April, 2009); American Association of Law Schools Panel on Privacy and Defamation (Jan., 2010).

Is Google a Media Company?, Quello Symposium: Rethinking Media Policy in the Age of New Media, National Press Club (May, 2009)

Will Our Reputations and Privacy Survive the Age of Social Networking?, State of the Net West Policy Conference at Santa Clara Law School (2008) (colloquy with Congressman Goodlatte and Lauren Gelman).

Does “Making Available” = Infringement?, Presentation for the members of the Copyright Society of the U.S.A. (2008).

Reputation Regulation, Stanford Intellectual Property Scholars Conference (Plenary Presentation) (2008); Seton Hall Faculty Workshop (2008); Annenberg School of Communications of the University of Pennsylvania (2008); Fordham Faculty Workshop (2008).

Moderator for ILST panel discussion on *Bilski*, a patent case (June, 2008).

The New Neutralities: From Net and Device Nondiscrimination to Fairness in Social Networks, Search Engines, and Auction Platforms, University of Quebec at Montreal (UQAM) Conference on E-Commerce (Oct., 2008); University of Chicago Conference on Reputation Online (Nov., 2008); Wharton Colloquium on Media and Communications Law (Dec., 2008).

Commentary on Lior Strahilevitz’s Reputation Nation, Fordham University Center on Intellectual Property Law (2008).

Search, Speech, and Copyright, Chicago Intellectual Property Scholars Colloquium (April, 2009); Yale Law School ISP Ideas Lunch (April, 2009).

Commentary on Dan Solove’s The Future of Reputation, Law & Society (2008).

Technology, Competition, and Values, Law & Society (2008).

Individual Enforcement of Rights Against a Corporate Data Warehouse, Fordham Law School Law and Information Society Symposium: Enforcement, Compliance and Remedies in the Information Society (2008).

Privacy, Reputation, and the Management of Online Communities, Computers, Freedom, and Privacy Conference at Yale University (2008).

Rights and Responsibilities for Software Code and Applications?, Computers, Freedom, and Privacy Conference at Yale University (2008).

After the Economic Debate on Network Neutrality, American University Conference on Media Law: Does *Red Lion* Still Roar? (2008).

Internet Nondiscrimination Principles, University of Chicago Legal Forum, Nov. 2007; Brooklyn Law School Faculty Forum, Nov. 2007; Seminar on "Intellectual Property: Challenges and Reforms in the Information Age," April, 2007.

Moderator, Panel on Identity and Trust, Telecommunications Policy Research Conference, George Mason University (2007).

From Net Neutrality to Search Neutrality, Works in Progress Intellectual Property Conference, American University (2007).

Intellectual Property vs. the Administrative State, Intellectual Property Scholars Conference, DePaul University (2007).

Federal Search Commission?, Reclaiming the First Amendment Conference at Hofstra University (2007) (with Oren Bracha).

Rankings and Reductionism in the Law of Search, Presentation to the Stanford Center for Internet and Society (2006); Computers, Freedom, and Privacy Conference (2006).

Copyright in an Era of Information Overload, Presentation to IP Seminar at U.C. Berkeley (2006).

How Innovation Can Undermine Equity and Efficiency: The Rise of Primarily-Position-Enhancing Information, Works-in-Progress Intellectual Property Conference, Univ. of Pittsburgh (2006).

The Law and Economics of Information Overload Externalities, IP Scholars Conference at U.C. Berkeley (Plenary Presentation) (2006); May Gathering at University of Virginia (2006).

Theories of Law & Technology, Commentary on Panel at Law & Society Conference (2006); Presentation at the International Association of Science and Technology Studies Conference (2007).

Overload and Positional Externalities in Copyright, St. John's Law School Distinguished Speakers Colloquium (2005).

Breaking the Vicious Circularity: Sony's Contribution to the Fair Use Doctrine, Symposium on the 20th Anniversary of *Sony v. Universal*, Center for Law, Technology, and the Arts at Case Western Reserve Univ. (February, 2005); Seton Hall Faculty Workshop (2005).