

Brett M. Frischmann
Villanova University
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PROFESSIONAL:

Villanova University, Charles Widger Endowed University Professor in Law, Business and Economics, Charles Widger School of Law, 8/2017 – **present**.

Center for Internet and Society, Stanford Law School, *Affiliate Scholar*, 9/2011 - **present**.

The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, Indiana University in Bloomington, *Affiliated Faculty Member*, 11/2012– 6/2015; 6/2018 - **present**.

Princeton University, *Affiliate of the Princeton Dialogues on AI and Ethics*, 5/2019 - **present**.

Princeton University, *Microsoft Visiting Professor of Information and Technology Policy*, Center for Information and Technology Policy, 7/2016-7/2017.

Cardozo Law School, *Professor of Law*, 7/2010 – 7/2017. *Director of IP and Information Law Program*, 8/2011 – 7/2016. *Courses*: Antitrust and IP, Advanced Copyright, Copyright, Cyberlaw, Intellectual Property Colloquium, and Technology Policy Seminar.

Columbia Law School, *Visiting (Adjunct) Professor*, Fall 2016. *Course*: Copyright Law.

Duke Law School, *Visiting Professor*, Fall 2013. *Course*: Internet Law.

Loyola University Chicago, School of Law, *Associate Professor of Law*, 6/2007 – 7/2010, *Assistant Professor*, 6/2002-6/2007. *Courses*: Advanced Copyright, Antitrust & Intellectual Property, Cyberlaw, Intellectual Property, Torts, and Chicago Intellectual Property Colloquium.

Cornell University, School of Law, *Visiting Professor*, 2008 - 2009. *Courses*: Advanced Intellectual Property Seminar, Copyright, and Cyberlaw.

Fordham University, School of Law, *Visiting Professor*, Fall 2007. *Course*: Advanced Copyright Law.

Syracuse University, College of Law, *Visiting Professor*, Spring 2006. *Courses*: International Intellectual Property, Internet Law.

United States Court of Appeals, Second Circuit, *Clerk* for Judge Fred I. Parker, 8/2001 – 8/2002.

Wilmer, Cutler & Pickering, Washington, DC, *Associate*, 9/2000 – 7/2001. *Practice Areas*: Communications, E-commerce, Intellectual Property, International Environmental Law.

EDUCATION:

Georgetown University Law Center, Washington, DC
Juris Doctor, *magna cum laude*, 2000.

Columbia University, School of Engineering and Applied Science, New York, NY
Masters of Science in Earth Resources Engineering, May 1997.

Columbia University, Columbia College, New York, NY
Bachelors of Arts in Astrophysics with Mathematics minor, May 1995.

SCHOLARSHIP:

Academic Books

GOVERNING PRIVACY IN KNOWLEDGE COMMONS, Cambridge University Press, forthcoming 2020 (co-edited and written with Madelyn Sanfilippo and Katherine Strandburg).

RE-ENGINEERING HUMANITY, Cambridge University Press, April 2018 (with Evan Selinger).

- Selected by the Guardian as one of the Best Books of 2018.
- For links to various reviews, interviews and related writing, see <https://www.reengineeringhumanity.com/>

GOVERNING MEDICAL KNOWLEDGE COMMONS (co-edited and written with Michael Madison & Katherine Strandburg, Cambridge University Press, Fall 2017).

- First book in our new series, Cambridge Studies on Governing Knowledge Commons.

GOVERNING KNOWLEDGE COMMONS (co-edited and written with Michael Madison and Katherine Strandburg, Oxford University Press, 2014).

INFRASTRUCTURE: THE SOCIAL VALUE OF SHARED RESOURCES (Oxford University Press, 2012).

- Received the 2012 PROSE Book Award for the best book in law / legal studies.
- For links to various reviews, see <http://www.brettfrischmann.com/Media>.

CYBERLAW: PROBLEMS OF POLICY AND JURISPRUDENCE IN THE INFORMATION AGE (4th ed., 2010; 5th edition, forthcoming 2017) (with Patricia Bellia, Paul Berman, and David Post).

Novel

SHEPHARD'S DRONE (Feb. 3, 2019), <https://www.shephardsdrone.com>.

Articles in Peer Reviewed Journals

Infrastructure and general purpose technologies: A technology flow framework, **European Journal of Law and Economics** (2020) (with Christiaan Hogendorn, Wesleyan University, Economics).

Retrospectives: Tragedy of the Commons after 50 Years, 33 **Journal of Economic Perspectives** 211-18 (2019) (with Alain Marciano, Université de Montpellier, Economics, and Giovanni Ramello, University of Eastern Piedmont, Economics).

Common Knowledge, 362 **Science** 1239-40 (Dec 14, 2018) (with Michael J. Madison, Katherine J. Strandburg) (50th anniversary tribute revisiting Hardin's Tragedy of the Commons).

Privacy as Commons: Case Evaluation through the Governing Knowledge Commons Framework, 8 **Journal of Information Policy** 116-66 (2018) (with Madelyn Sanfilippo and Katherine Strandburg).

Thoughts on Techno-Social Engineering of Humans and the Freedom to be Off, 17 **Theoretical Inquiries in Law** 535 (2016).

Revisiting the Marginal Cost Controversy, 29 **Journal of Economic Perspectives** 193 (Spring 2015) (with Christiaan Hogendorn, Wesleyan University, Economics).

Understanding the Problem of Social Cost, 11(2) **Journal of Institutional Economics** (with Alain Marciano, Université de Montpellier, Economics) (Winter 2014).

Two Enduring Lessons from Elinor Ostrom, 9 **Journal of Institutional Economics** (2013).

Compliance Institutions in Treaties, 7 **Review of Law and Economics** (2011) (with Jim Hartigan, University of Oklahoma, Economics).

Revitalizing Essential Facilities, 75 **Antitrust Law Journal** 1 (2008) (with Spencer Weber Waller, Loyola University Chicago).

Network Neutrality and The Economics of an Information Superhighway, 47 **Jurimetrics** 383 (2007) (with Barbara van Schewick, Stanford).

Evaluating the Demsetzian Trend in Copyright Law, 3 **Review of Law and Economics** (2007).

- Harold Demsetz, *Frischmann's View of "Toward a Theory of Property Rights,"* 4 **Review of Law and Economics** (2008) (responding to my article);
- *Spillovers Theory and Its Conceptual Boundaries*, 51 **William & Mary Law Review** 801 (2009) (responding in part to Demsetz's essay).

Articles in Law Reviews

Comparative Analysis of Innovation Failures and Institutions in Context, **Houston Law Review** (2019) (with Mark McKenna).

Utopia?: A Technologically Determined World of Frictionless Transactions, Optimized Production, and Maximal Happiness, 64 **UCLA L. Rev. Disc.** 372 (2016) (with Evan Selinger).

Constructing Commons in the Cultural Environment, **Cornell Law Review** (2010) (with Michael Madison, University of Pittsburgh, and Katherine Strandburg, NYU).

- Special issue of Cornell Law Review dedicated to our article with commentary from Professors Thrainn Eggertsson, Wendy Gordon, Gregg Macey, Robert Merges, Elinor Ostrom, and Larry Solum.

Environmental Infrastructure, 35 **Ecology Law Quarterly** 151 (2008).

- Special issue focused on applications of my infrastructure commons theory. Featured articles written by Professors David Driesen, Gregory Mandel, Marc Poirier, and myself.

Cultural Environmentalism and The Wealth of Networks, 74 **University of Chicago Law Review** 1083 (2007) (reviewing Yochai Benkler, *The Wealth of Networks: How Social Production Transforms Markets and Freedom* (2006)).

Spillovers, 107 **Columbia Law Review** 257 (2007) (with Mark A. Lemley, Stanford).

- According to Shapiro and Pearce, *The Most-Cited Articles of All Time*, 110 Mich. L. Rev. 1483, 1497 (2012), *Spillovers* is the most cited article published in 2007.

An Economic Theory of Infrastructure and Commons Management, 89 **Minnesota Law Review** 917 (2005).

- Lawrence Lessig, *Reply: Re-Marking the Progress in Frischmann*, 89 **Minnesota Law Review** 1031 (2005) (responding to my article).

A Dynamic Institutional Theory of International Law, 51 **Buffalo Law Review** 679 (2003).

Privatization and Commercialization of the Internet Infrastructure: Rethinking Market Intervention into Government and Government Intervention into the Market, 2 **Columbia Science and Technology Law Review** 1 (2001).

Using the Multi-Layered Nature of International Emissions Trading and of International-Domestic Legal Systems to Escape a Multi-State Compliance Dilemma, 13 **Georgetown International Environmental Law Review** 463 (2001).

The Evolving Common Law Doctrine of Copyright Misuse: A Unified Theory and its Application to Software, 15 **Berkeley Technology Law Journal** 865 (2000) (with Daniel Moylan) (cited in *In re Napster Litigation*, 191 F.Supp.2d 1087 (N.D. Cal., Feb 22, 2002)).

Innovation and Institutions: Rethinking the Economics of U.S. Science and Technology Policy, 24 **Vermont Law Review** 347 (2000).

Symposium Articles

Intergenerational Progress, **Wisconsin Law Review** (2011) (with Mark McKenna, Notre Dame Law School).

Spillovers Theory and Its Conceptual Boundaries, 51 **William & Mary Law Review** 801 (2009).

The University as Constructed Cultural Commons, **Washington University Journal of Law & Policy** (2009) (with Michael Madison, University of Pittsburgh, and Katherine Strandburg, NYU).

The Pull of Patents, 77 **Fordham Law Review** 2143 (2009).

Speech, Spillovers, and the First Amendment, 2008 **University of Chicago Legal Forum** (2008).

Some Thoughts on Shortsightedness and Intergenerational Equity, 36 **Loyola University Chicago Law Journal** 457 (2005) (essay for Faculty issue on the topic of Justice).

Infrastructure Commons, 2005 **Michigan State Law Review** 1 (2004).

The Prospect of Reconciling Internet and Cyberspace, 35 **Loyola University Chicago Law Journal** 205 (2003).

Other Works

Stretched Too Thin by Social Media, **Scientific American**

<https://blogs.scientificamerican.com/observations/stretched-too-thin-by-social-media/>

The Big Idea: Brett Frischmann, John Scalzi's Whatever: This Machine Mocks Fascists,

<https://whatever.scalzi.com/2019/02/26/the-big-idea-brett-frischmann/>

Electronic Contracts and the Illusion of Consent, **Scientific American**

<https://blogs.scientificamerican.com/observations/electronic-contracts-and-the-illusion-of-consent/>

Is Smart Tech Making Us Dumb?, **Scientific American**

<https://blogs.scientificamerican.com/observations/is-smart-technology-making-us-dumb/>

The Promise and Peril of Personalization, **Stanford Center for Internet and Society**,

<https://cyberlaw.stanford.edu/blog/2018/11/promise-and-peril-personalization>

How Personalization Leads to Homogeneity, **Scientific American**,

<https://blogs.scientificamerican.com/observations/how-personalization-leads-to-homogeneity/>

The Tragedy of the Commons, Revisited, **Scientific American**,

<https://blogs.scientificamerican.com/observations/the-tragedy-of-the-commons-revisited/>

Is Technology Re-Engineering Humanity?, **The Economist (Interview)**,

<https://www.economist.com/open-future/2018/10/24/is-technology-re-engineering-humanity>

There's Nothing Wrong with Being a Luddite, **Scientific American**

<https://blogs.scientificamerican.com/observations/theres-nothing-wrong-with-being-a-luddite/>

The Misleading Power of Internet Metaphors, **Scientific American**

<https://blogs.scientificamerican.com/observations/the-misleading-power-of-internet-metaphors/>

Algorithm and Blues: The Tyranny of the Coming Smart-Tech Utopia: Why optimizing the world for efficiency, productivity and happiness is bad for humanity, **Scientific American**, July 30, 2018 -

<https://blogs.scientificamerican.com/observations/algorithm-and-blues-the-tyranny-of-the-coming-smart-tech-utopia/>

How Facebook Programmed our Relatives, **Scientific American**, June 21, 2018 - (with Katherine

Haenschen), <https://blogs.scientificamerican.com/observations/how-facebook-programmed-our-relatives/>

Deprogramming Students and Teachers, **Stanford Center for Internet and Society Blog** - (with Evan Selinger).

Here's why tech companies abuse our data: because we let them, **THE GUARDIAN**, April 10, 2018

Fixing the Facebook Problem Requires a Massive Culture Shift, **New York Daily News**, March 26, 2018

How Self-Driving Car Policy Will Determine Life, Death, and Everything In-Between, **Motherboard**, March 23, 2018 (with Evan Selinger).

Italian Version: "Tra vita e morte: come le auto driverless sceglieranno le vittime degli incidenti"

Your NCAA Bracket Is a Reverse Turing Test, **Salon**, March 12, 2018

Algorithmic Bloodhounds, **The American Journal of Bioethics** vol. 18 no. 2 (2018): 24-26 (with Evan Selinger).

Why the FCC Should Prevent ISPs From Micromanaging our Lives, **Stanford Center for Internet and Society Blog** - (with Evan Selinger).

Robots have already taken over our work, but they're made of flesh and bone, **THE GUARDIAN**, Sept. 25, 2017 (with Evan Selinger).

Why you should care about net neutrality, **WIRED UK**, June 26, 2017 (with Evan Selinger).

We need our platforms to put people and democratic society ahead of cheap profits, **RECODE**, June 16, 2017 (with Mark Verstraete).

Why it's dangerous to outsource our critical thinking to computers, **THE GUARDIAN**, Dec. 10, 2016 (with Evan Selinger).

Will the internet of things result in predictable people?, **THE GUARDIAN**, Aug. 10, 2015 (with Evan Selinger).

Reply, *Systems of Human and Intellectual Capital*, 93 **TEXAS LAW REVIEW** (2015) (with Mark McKenna, Notre Dame Law School) (reply to Orly Lobel's *The New Cognitive Property: Human Capital Law and the Reach of Intellectual Property*).

Online Essay, *Doctrinal Precedence Among the Hatch-Waxman Act, the Patent Act, and the Sherman Act*, Patently-O, Mar. 13, 2013, at <http://www.patentlyo.com/patent/2013/03/brett-frischmann-ftc-watson.html>.

Chapter, *Access to Infrastructure in Economic Perspective*, in **Cyber Policy and Economics in an Internet Age**, 2d. ed. (Lorenzo Pupillo & William Lehr eds., 2009) (college/university textbook).

Book Review, **Alabama Law Review** (2009), reviewing Michael A. Carrier, *INNOVATION FOR THE 21ST CENTURY: HARNESSING THE POWER OF INTELLECTUAL PROPERTY AND ANTITRUST LAW*.

Book Review, *Avoiding a Cliff Dive*, reviewing Jonathan Zittrain's *The Future of the Internet and How to Stop It*, 321 **Science** 491 (July, 25 2008) (peer reviewed).

Online Essay, *Infrastructure Commons in Economic Perspective*, **First Monday**, vol. 12, num. 6 (June 2007) (peer reviewed), at http://firstmonday.org/issues/issue12_6/frischmann/index.html

Chapter, *The Evolving Doctrine of Copyright Misuse*, **Intellectual Property and Information Wealth** (Ed. Peter Yu, Praeger, 2007) (with Daniel Moylan).

Peer-to-Peer Technology as Infrastructure: An Economic Argument For Retaining Sony's Safe Harbor For Technologies Capable of Substantial Noninfringing Uses, 52 **Journal of the Copyright Society** 329 (2005) (peer reviewed).

Commissioned chapter, *Commercializing University Research Systems in Economic Perspective: A View from the Demand Side*, in **University Entrepreneurship and Technology Transfer: Process, Design, and Intellectual Property**, volume 16, Elsevier Science/JAI Press Series: Advances in the Study of Entrepreneurship, Innovation, and Economic Growth series (2005).

Chapter, *A Comparative Analysis of Compliance Institutions in International Trade Law and International Environmental Law*, in **Handbook of International Trade: Economic and Legal Analysis of Laws and Institutions** (Jim Hartigan ed., 2004).

Book Note, 11 **Georgetown International Environmental Law Review** 235 (1998) (reviewing Law and Economics of the Environment (Erling Eide & Roger van den Bergh eds., 1996)).

Chapter, *The role of universities in the generation of ESTs*, in **ATAS XII-The Role of Publicly Funded Research and Publicly Owned Technologies in the Transfer and Diffusion of Environmentally Sound Technologies** 371 (United Nations 2000) (with Daehyun Kim and Kunsoo Kim), available at <http://www.unctad.org/en/docs/psiteiipd9.en.pdf>.

PODCAST INTERVIEWS: (need to fill in details)

Talking Politics, interviewed by David Runciman, Sept. 21, 2019 (Re-Engineering Humanity).

Artificial General Intelligence (AGI) Podcast, Singularity.Net (link: <https://singularitynet.io/podcast/>)
singularitynet.io/podcast/ "Re-engineering humans and rethinking digital networked tools"

Digital Mindfulness, interviewed by Lawrence Ampofo, July 19, 2019 (Re-Engineering Humanity).

Privacy Piracy radio show (88.9FM and www.kuci.org), interviewed by Mari Frank; aired Apr. 1, 2019.

Science magazine, interviewed by Meagan Cantwell, Dec. 7, 2018 (Common Knowledge).

GRANTS:

Knight Foundation, \$45,000 to Support Smart Cities Conference and Open Access Book Publication, 2019-2021

Comcast, \$30,000 grant to support Privacy Commons Conference at Villanova, 2018-2019

RECENT PROFESSIONAL ACTIVITIES:

Invited Speaker, Social Media, Public Understanding, and Democratic Institutions, 38th meeting of the Committee on Science, Technology, and Law, **The National Academies of Sciences, Engineering, and Medicine**, Oct. 31, 2019 (Misinformation and Manipulation on Digital Platforms).

Invited Lecture, Computers and Society, **Columbia University**, School of Engineering and Applied Science, Oct. 29, 2019 (Re-Engineering Humanity).

The Sir Graham Day Ethics, Morality, and the Law Lecture, Schulich School of Law at Dalhousie University, Halifax, Nova Scotia, Canada, Oct. 18, 2019 (*Being Human in the 21st Century*).

Live interview for CBC Mainstreet radio program, Oct. 17, 2019.

Law Hour, Schulich School of Law at Dalhousie University, Halifax, Nova Scotia, Canada, Oct. 17, 2019 (*Engineering Humans with Contracts*).

Intellectual Property Scholars Conference, August 8-10, 2019 (*Epistemology of What We Want: Progress (in Science and the Useful Arts), Demand, Preferences, and Values (in IP)*).

Forum on Technology and Manipulation, Centre for Politics, Philosophy & Law, **King's College London**, July 2, 2019.

Lecturer, AI: towards a critical utopia, **Nexa Center at Politecnico di Torino**, June 28, 2019 (*Demand for AI*).

Technology and Business Ethics Panel, ComplianceNet Conference on Business Ethics 2019, Villanova University Charles Widger School of Law, June 3-4, 2019 (Re-Engineering Humanity).

Invited Lecture, What's Real? – IP from a Property Theory Perspective, Symposium by the **University of Houston Law Center's Institute for Intellectual Property & Information Law**, Santa Fe, NM, May 31-June 1, 2019 (*Comparative Analysis of (Innovation) Failures and Institutions in Context*).

Privacy Law Scholars Conference, Berkeley, CA, May 30-31, 2019.

Seventh Annual Roundtable in Law and Computer Science, **University of Pennsylvania Law School**, May 22-23.

Book Talk, **Chatham House, London, UK**, April 25, 2019 (*Re-Engineering Humanity*).

Book Talk, **University of Cambridge, Cambridge Trust & Technology Initiative**, April 24, 2019 (*Re-Engineering Humanity*).

Book Talk, **Oxford University, Oxford Internet Institute**, April 23, 2019 (*Re-Engineering Humanity*).

Conference at **Princeton** on Social Protection by Artificial Intelligence: Decoding Human Rights in a Digital Age, Ap. 12, 2019.

Conference, Governing Markets as Knowledge Commons, **Mercatus Center at George Mason University**, Mar. 28-30, 2019 (presented *Common Sense Commons*).

Panel, *Privacy Must Fall: Discussion of Shoshana Zuboff's Surveillance Capitalism*, **Berkeley Center for Law and Technology**, March 14, 2019.

Book Talk, **Notre Dame University, School of Law**, Feb. 28, 2019 (*Re-Engineering Humanity*).

Book Talk, **Stanford University, Center for Internet & Society**, Jan. 30, 2019 (*Re-Engineering Humanity*).

Faculty workshop, **Temple University, School of Law**, Jan. 24, 2019 (*Privacy Commons*).

Book Talk, **Princeton University, Center for Information Technology Policy and Law and Public Affairs Program**, Dec. 5, 2018 (*Re-Engineering Humanity*).

Book Talk, **Berkman Center for Internet & Society, Harvard**, Nov. 13, 2018 (*Re-Engineering Humanity*).

Behavioral Economics and Ethics conference, **St John's University**, NY, Oct. 25-27, 2018.

Smart Cities conference, **Ostrom Workshop, Indiana University**, Bloomington IN, Oct. 3-5 2018. (*Lessons for Smart Cities from Re-Engineering Humanity and GKC*)

InfraReg conference, **NYU**, Sept. 28-29, 2018 (*how smart should infrastructure be?*)

On-Stage Interview by prof. Matt Hayler, Future Fest, London, UK, July 6, 2018 (*Re-Engineering Humanity*).

On-Stage Interview by prof. Steve Fuller, Virtual Futures, London, UK, July 3, 2018 (*Re-Engineering Humanity*).

Book Talk, **Politecnico di Torino**, June 29, 2018 (*Re-Engineering Humanity*).

WFMU Radio Interview on Techtonic with Mark Hurst: June 11, 2018,
<http://www.wfmu.org/playlists/shows/79640>

Keynote, Conceptualizing the New Commons: the examples of Knowledge Commons & Seed and Variety Commons, Oldenburg, Germany, June 7, 2018 (*Governance of Knowledge Commons*).

Keynote, 4TU.Ethics Annual Research Day, Eindhoven, Netherlands, June 5, 2018 (*Re-Engineering Humanity*).

Jheronimus Academy of Data Science, Hertogenbosch, Netherlands, June 4, 2018 (*Re-Engineering Humanity*).

Privacy Law Scholars Conference, GW Law School, Washington DC (*Privacy Commons across Academic, Commercial, and Public Policy Contexts: Comparative Analysis of Associational Rules and Norms that Govern Privacy to Support Knowledge Production and Sharing*) (Commented on Richmond Wong's paper).

Sixth annual roundtable on works-in-progress on law and computer science, Center for Technology, Innovation and Competition, University of Pennsylvania Law School, May 9-10, 2018 (*Field experiments to test programmed stimulus-response behavior on social media platforms*).

AI and the Future of Society: A Global Approach to Understanding the Digitalization Revolution from the Social Science Perspective, Japan Forum for Innovation and Technology, UC San Diego, La Jolla, California April 27-28, 2018 (*Re-Engineering Humanity*).

Faculty Workshop, Univ. San Diego Law School, Apr. 26, 2018 (*Re-Engineering Humanity*).

Contemporary Challenges in Law, Economics, and Conflict, Cornell Research Academy of Development, Law, and Economics, New York, NY, April 12-13, 2018 (*The Governance of Knowledge Commons*).

UCHV/CITP Workshop and Conference on Ethics and AI, Princeton University, Center for Human Values and the Center for Information Technology Policy, Princeton Mar. 9-10, 2018.

Lingofest 2018, Weber State University, Utah, Jan. 25-26, 2018 (Keynote: *Re-engineering Humanity and the Reverse Turing Test*).

ISAT Reality Jamming #2: Socio-Technological Solutions Workshop, UC Berkeley, DARPA/ISAT, Jan. 11-12, 2018.

After the Digital Tornado: Networks, Algorithms, Humanity, **Wharton, University of Penn.**, Nov. 17-18, 2017 (*Humanity's Techno-Social Dilemma*).

Celebrating Governing Medical Knowledge Commons, **NYU**, Oct. 26, 2017 (panel discussion of *Governing Medical Knowledge Commons*).

Keynote, OECD meeting, *Enhanced Access to Data: Reconciling the Risks and Benefits*, Copenhagen, Denmark, Oct. 2-3, 2017.

Lecturer, **Nexa Center at Politecnico di Torino**, July 12, 2017 (*To What End?*).

Keynote, **Annual Congress for Society for Economic Research on Copyright Issues**, Turin, Italy, July 10-11, 2017 (*Capabilities, Spillovers, and Intellectual Progress: Toward a Human Flourishing Theory for Intellectual Property*).

Privacy Law Scholars Conference, Berkeley, CA, June 1-2, 2017 (*Engineering Humans with Contracts*. Commenter: Anna Lauren Hoffmann; *Privacy as Commons*. Commenter: Amy Kristin Sanders).

Institutional and Organizational Economic Academy, Corsica, France May 22-26, 2017 (Taught seminar on *Governing Knowledge Commons*)

Copyright Law Workshop, Yale Law School, Mar. 23, 2017 (*Capabilities, Spillovers, and Intellectual Progress: Toward a Human Flourishing Theory for Intellectual Property*).

Lastowka Cyberlaw Colloquium, **Villanova University Charles Widger School of Law**, Villanova, PA, Feb. 3-4, 2017 (*Engineering Humans with Contracts*).

IP and Community Values, **AALS Annual Meeting**, San Francisco, CA, Jan. 6, 2017.

Center for Information Technology Policy, Princeton University, Dec. 6, 2016 (*Engineering Humans with Contracts*).

Technology and the Self (Focus on the Humanities), organized by Peter Galison, sponsored by Carnegie Foundation in conjunction with the American Academy of Arts & Sciences, **Franke Institute**, Chicago, IL, Dec. 2, 2016 (*Being Human in the 21st Century*).

Telecommunications Policy Research Conference, Arlington, VA, September 30, 2016 (*Engineering Humans with Contracts*).

Intellectual Property Scholars Conference, August 10-12, 2016 (presented *Exploring Privacy as Commons*).

Lecturer, *Topics in Internet & Society Interdisciplinary Studies*, doctoral course organized by

the **Nexa Center at Politecnico di Torino**, June 23, 2016 (lecture on *Techno-Social Engineering of Humans* to Ph.D students in various technical disciplines, ranging from architecture to engineering, online at <https://www.youtube.com/watch?v=vDAqcUkfwEk>).

Privacy Law Scholars Conference, Washington, DC, June 1-2, 2016 (*Engineering Humans with Contracts*. Commenter: Lauren Henry Scholz).

Expert Panel, *Impact Assessment for the Review of the Framework for the Electronic Communications*, May 30, 2016, Brussels, European Commission and consortium of WIK, Ecorys and VVA.

Values, Questions, and Methods in Intellectual Property, **St. John's School of Law**, Apr. 22, 2016 (*Comparative Analysis of (Innovation) Failures and Institutions in Context*).

Imagining the Legal Landscape: Technology and the Law in 2030, **UCLA School of Law**, Apr. 15, 2016 (*UTOPIA?: A Technologically Determined World of Frictionless Transactions, Optimized Production, and Maximal Happiness*).

IP Workshop, **University of Michigan Law School**, Mar. 23, 2016 (*Comparative Analysis of (Innovation) Failures and Institutions in Context*).

Commentator, *Private Law and Intellectual Property*, **Harvard Law School**, Mar. 11-12, 2016.

Panelist, *Technology, Privacy, and the Future of Education Symposium*, **NYU Steinhart School of Culture, Education, and Human Development**, Mar. 4, 2016 (*Hidden risks of techno-social engineering in schools*).

Faculty Workshop, **New York Law School**, Feb 9, 2016 (presenting chapters from *Being Human in the 21st Century: How Social and Technological Tools are Reshaping Humanity*).

Cyberlaw Colloquium, **University of Pittsburgh**, Feb. 5-6, 2016 (presenting chapters from *Being Human in the 21st Century: How Social and Technological Tools are Reshaping Humanity*).

Panelist, *Catalyzing Privacy by Design*, Computing Community Consortium, **Georgetown University Law Center**, Jan. 6-7 2016.

Lecturer, *Topics in Internet & Society Interdisciplinary Studies*, doctoral course organized by the **Nexa Center at Politecnico di Torino**, June 11, 2015 (lectures on *Infrastructure and Knowledge Commons* and *Being Human in the 21st Century* to over 120 Ph.D students in various technical disciplines, ranging from architecture to engineering).

Lecturer, International Ph.D. *Programme in Comparative Analysis of Institutions, Economics and Law*, Torino, Italy, June 10, 2015.

Privacy Law Scholars Conference, Berkeley, CA, May 4, 2015 (*Human-focused Turing tests: A framework for judging nudging and techno-social engineering of human beings*. Commenter: Deven Desai).

Conference: *The Constitution of Information: From Gutenberg to Snowden*, **University of Toronto**, May 28-29, 2015 (*We Frogs*).

Conference: Governance of Emerging Technologies: Law, Policy and Ethics, **Arizona State University**, May 27, 2015 (*Humans [and vs. as] Machines, or Can Humans Not-Think?, or just We Frogs*).

Keynote, Conference: *Engaging the Research Community towards an Open Science Commons*, **European Grid Initiative**, ISCTE - Instituto Universitário de Lisboa, Lisbon, Portugal, May 19, 2015 (*Governing Infrastructure and Knowledge Commons*).

Conference: *Privacy in a Data Collection Society*, **Loyola University Chicago School of Law**, April 10, 2015 (*Humans [and vs. as] Machines*, or *Can Humans Not-Think?*, or just *We Frogs*).

Rethinking Privacy in an the Era of Big Data, IoT, and Nudge, **Harvard Law School**, April 6, 2015 (*Humans [and vs. as] Machines*, or *Can Humans Not-Think?*, or just *We Frogs*).

OECD meeting, *Data-driven Innovation*, Tokyo, Japan, Oct. 2014 (presentation on open data as infrastructure commons).

Presentation, Conference: *Philosophy of the Internet of Things*, York, UK, July 2, 2014 (*Can Humans Not-Think?*).

Lecture, **OECD** (*Governing Knowledge Commons and Infrastructure: The Social Value of Shared Resources*).

[...]

Professional Affiliations, Memberships and Service:

Consultant Editor, European Journal of Law and Economics

Admitted to the Maryland Bar.

Member of the American Bar Association, the American Intellectual Property Law Association, the Association of American Law Schools, the Law and Society Association, American Law and Economics Association.

Advisory Board for the Institute for Consumer Antitrust Studies, Loyola University Chicago.

Member of the Board of Trustees of the Nexa Center for Internet & Society, Torino, Italy.

Member of the Advisory Board for the Indie Film Clinic, Cardozo Law School.

Editorial Board of *I/S: A Journal of Law and Policy for the Information Society*.

Program Committee for the Telecommunications Policy Research Conference, 2006-2008.

Served as Expert Reviewer for 2015 OECD Report on *Data-driven Innovation*.

Served as Expert Reviewer for 2016 European Commission *Impact Assessment for the Review of the Framework for the Electronic Communications*.

Served as PhD Committee member, International Ph.D. *Programme in Institutions, Economics and Law*, Torino, Italy.

Occasional Peer Reviewer for various law journals and interdisciplinary journals.