

ANDREA M. MATWYSHYN

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Research: Technology policy and law, specifically information security/“cybersecurity,” health tech/infodemiology, consumer privacy, the “Internet of Things”/the “Internet of Bodies” and consumer protection, artificial intelligence/machine learning and software liability, digital copyright, cryptocurrency/ICO/blockchain regulation, unfair competition, sustainability of business models, technology entrepreneurship and workforce policy

Teaching: Information security/“cybersecurity,” Internet law, intellectual property, marketing law, privacy law, securities regulation, corporations/business associations, secured transactions, contracts

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I. EMPLOYMENT

Current appointments: (primary appointments noted with **)

July 2019 – Associate Dean of Innovation and Technology/ Professor of Law and
present** Engineering Policy, School of Law, The Pennsylvania State University
(University Park)

- Launched and externally funded Penn State law student technology policy research program: \$500,000+ in corporate gifts
- Secured endowed \$1m+ individual gift and launched new gender and economic equity lab, the Anuncia Donecia Songsong Manglona Lab for Gender and Economic Equity
- LLM teaching award nomination for 2020-2021

Professor of Engineering Design, SEDTAPP, School of Engineering, The Pennsylvania State University

Founding Faculty Director, Penn State Policy Innovation Lab of Tomorrow (PILOT lab) – an interdisciplinary technology policy lab aimed at bridging the gap between academic research and the research needs of policymakers <https://www.pilotlab.org/>

- Branded and launched lab, including website
- Launched technology policy projects in nine areas: security/privacy, technology equity, disinformation, machine learning/AI, technology competition, IoT/IoB, technology history and governance, technology sustainability, and technology workforce development
- Manage team of post-docs, law and other graduate students, Penn State faculty affiliates and external academic and industry affiliates

Founding Faculty Director, Penn State Manglona Lab for Gender and Economic Equity (Manglona Lab), <https://www.manglonalab.org/>

- Branded lab, including launching website
- Set research and academic direction for the lab
- Launched externship program for students interested in gender justice
- Chaired hiring committee for executive director to manage lab and launch litigation clinic
- Built initial roster of faculty affiliates across the university
- Manage executive director in course offerings and strategy-setting for future initiatives

Affiliate Faculty, Bioethics Program, College of the Liberal Arts, The Pennsylvania State University <https://bioethics.psu.edu/people/andrea-matwysyn-2/>

October 2021 –
present

Research Scholar Advisory Committee Member, Kluge Center, Library of Congress

September 2019 –
Present

Visiting Researcher, Center for Internet of Society, French National Center for Scientific Research (CIS-CNRS), Sorbonne Université
- Nonresident collaboration on the PILOT lab Computer Herstory Project <https://cis.cnrs.fr/upr2000/equipe/>

September 2012 -
Present

Affiliate Scholar, Center for Internet and Society, Stanford Law School
- Participant in a group of scholars researching various technology policy issues

Past academic and government appointments:

September 2019 –
August 2020

Digital Studies Fellow, Kluge Center, Library of Congress
- Resident researcher
- Project: constitutional foundations of federalism and voting security for my article *Our Founding Hackers*

January 2015 -
June 2019**

Professor of Law, School of Law, Northeastern University

Professor of Computer Science, School of Computing and Information Science, Northeastern University (courtesy - as of Oct. 1, 2015)

Founding Faculty Co-Director, Center for Law, Innovation and Creativity (CLIC)

- Teaching: Contracts, Internet Law, Information Security/ “Cybersecurity” and Privacy Law, Introduction to Intellectual Property
- Research faculty sponsor: Community Business Clinic
- Service:
 - Member of two hiring committees and faculty scholarship promotion committee
 - Served as a legal subject matter expert reviewer for the DEFCON information security conference (the largest international computer security conference)

August 2018 –
September 2018

MacCormick Fellow, University of Edinburgh School of Law
- Honorary visitorship awarded to senior academics viewed as leaders at the forefront of technology policy.
- Seminar: The Internet of (Artificially Intelligent) Bodies <https://www.youtube.com/watch?v=7Cs0yc9u-VE>

- February 2017 –
September 2019
- Senior Fellow*, Cyber Statecraft Initiative, Atlantic Council, Washington DC
- Nonresident affiliate of a policy think tank working on issues of corporate and national information security
 - Talk: *The Internet of Bodies*
<https://www.youtube.com/watch?v=bdqmCQc6oXY>
- 2016-2017
- Fulbright Commission US-UK Cyber Security Scholar* (sponsor: Oxford Cyber Security Capacity Centre)
- Fall 2016: in London collaborating with UK government and UK academics
- August 2015 -
August 2017
- Visiting Research Collaborator*, Center for Information Technology Policy, School of Public and International Affairs, Princeton University
- Nonresident research affiliate collaborating with a cross-disciplinary set of researchers (e.g. engineers, computer scientists) at Princeton CITP on various technology policy matters.
- January 2015 -
July 2015
- Microsoft Visiting Professor of Information Technology Policy*, Center for Information Technology Policy, School of Public and International Affairs, Princeton University
- Honorary visitorship awarded to senior academics viewed as leaders at the forefront of technology policy.
 - Taught Internet Law and Policy in the Computer Science Department
 - Led a team of computer scientists in successfully petitioning the Copyright Office to grant an exemption to Section 1201 of the Digital Millennium Copyright Act that allows for security testing of all consumer devices, including election systems and medical devices
 - Organized conference about legal response to physical harm caused by corporate information security failures.
<https://citp.princeton.edu/event/trusting/>
- September 2014 –
December 2014
- Visiting Researcher*, Center for Information Technology Policy, School of Public and International Affairs Princeton University
- December 2013-
- Senior Policy Advisor and Scholar in Residence*, U.S. Federal Trade

- August 2014
- Commission (FTC), <http://1.usa.gov/18KxYha>
- Advised the FTC on various technology policy issues, in particular corporate data security and privacy
 - Built relationship between the FTC and the DEFCON security conference - <https://www.forbes.com/sites/kashmirhill/2014/08/21/the-ftcs-controversial-battle-to-force-companies-to-protect-your-data/?sh=390f43ce140f>
 - Co-lead a team of attorneys who ran a contest under the America Competes Act at DEFCON
- August 2007 –
July 2014**
- Assistant Professor*, Legal Studies and Business Ethics, The Wharton School, University of Pennsylvania
- Taught various business law courses, including Securities Regulation and Internet Law
- Faculty Affiliate*, Center for Technology, Innovation and Competition, School of Law, University of Pennsylvania
- Fall 2012
- Visiting Professor*, Notre Dame Law School
- Taught secured transactions and information security law
- Summer 2011
- Visiting Scholar*, Oxford Internet Institute, University of Oxford
- March 2011
- Visiting Scholar*, Indian School of Business
- June 2009
- Visiting Scholar*, Singapore Management University School of Law
- August 2005 -
June 2007**
- Assistant Professor*, Levin College of Law, University of Florida
- Taught information security law, internet law, and contracts
- Founding Faculty Director*, ICAIR Center for Information Research (research center across the law, business and engineering schools), University of Florida
- Ran conferences and speaker series on technology and innovation law topics including corporate information governance and privacy and security issues.

August 2003 –
June 2005**

Clinical Assistant Professor and Assistant Director, Small Business Opportunity Entrepreneurship Center, School of Law/ Kellogg Graduate School of Management, Northwestern University

- Taught doctrinal class on e-commerce regulation; co-taught clinic corporate law/technology entrepreneurship class at Northwestern Law
- Guest lectured in various Kellogg classes
- Supervised student representations of technology entrepreneurs

Faculty Affiliate, NICO – Northwestern University Institute on Complex Systems, Northwestern University

Faculty Affiliate, Technology and Social Behavior Program, School of Communications, Northwestern University

December 2003

Visiting Research Fellow, AHRB Centre for Studies in Intellectual Property and Technology Law, School of Law, University of Edinburgh

January 2003 -
July 2008

Affiliate, Centre for Economics and Policy (now Centre for Industry and Government), Institute for Manufacturing, School of Engineering, University of Cambridge

Past law practice:

Represented various corporate clients in mergers and acquisitions, securities regulation matters, and technology transactions

August 2001 -
July 2003

Associate, Corporate and Securities group, Dykema (formerly Schwartz, Cooper), Chicago

August 1999 -
July 2001

Associate, Corporate and Securities group, Neal, Gerber and Eisenberg, Chicago, IL

Summer 1997

Summer Associate, Neal Gerber and Eisenberg, Chicago, IL

II. PUBLICATIONS

A. Books

1. Andrea M. MATWYSHYN, *HARBORING DATA: INFORMATION SECURITY, LAW AND THE CORPORATION*, Stanford University Press (2009) (editor and contributor).
2. Casebook (with Stephanie K. Pell): *(CYBER)SECURITY LAW AND POLICY: AN INTRODUCTION TO THE REGULATION OF COMPUTER AND INFORMATION SECURITY* (forthcoming 2021). <https://www.pilotlab.org/textbook>
 - Most thorough coverage of all aspects of computer security law, in particular, financial services security and health device security
 - “Pay-what-you-will” legal interdisciplinary text
 - Novel form factor: interactive multimedia legal casebook with interdisciplinary readings
 - Ongoing pushed updates
 - Funded by Hewlett Foundation

B. Major Refereed Law Journal Articles

3. Andrea M. Matwyshyn and Miranda Mowbray, *Fake*, 42 *CARDOZO LAW REVIEW* __ (2021) (offering a novel model for “fake” internet content and conduct regulation, mapping technology harms onto traditional legal harms in a First Amendment-sensitive manner).
4. Andrea M. Matwyshyn, *The Internet of Bodies*, 61 *WILLIAM & MARY LAW REVIEW* 77 (2019).

Abstract: This article introduces the ongoing progression of the Internet of Things (“IoT”) into the Internet of Bodies (“IoB”) – a network of human bodies whose integrity and functionality rely at least in part on the internet, machine learning, and related technologies. IoB devices will evidence the same categories of legacy security flaws that have plagued IoT devices. However, unlike most IoT, using the human body as a technology platform will directly, physically harm human bodies – a set of harms courts, legislators, and regulators such will deem worthy of legal redress. As such, IoB will herald the arrival of (some forms of) corporate software liability and a new legal and policy battle over the integrity of the human body and mind. Framing the Internet of Bodies in light of current regulatory approaches, this article offers a set of specific innovation-sensitive proposals to bolster safeguards in corporate governance, regulatory agencies, contract, tort, intellectual property, and secured transactions/bankruptcy.

- Credited with originating the concept of IoB by World Economic Forum, Rand Corporation, International Association of Privacy Professionals
- Impact: derivative policy reports from World Economic Forum and Rand Corporation, named top tech trend for 2020 by IEEE.

5. Andrea M. Matwyshyn and Stephanie K. Pell (Army Cyber Institute, West Point), *Broken*, 32 HARVARD JOURNAL OF LAW & TECHNOLOGY 479 (2019) (proposing a revision to the Computer Fraud and Abuse Act using a new framework rooted in computer security and corporate governance principles, eliminating civil liability provisions currently abused by corporate plaintiffs).
6. Andrea M. Matwyshyn, *CYBER!*, 2017 BYU LAW REVIEW 1109 (2018) (articulating the relationship between corporate security conduct and national security, offering a paradigm of “reciprocal security” for corporate and governmental organizational security governance.).
7. Andrea M. Matwyshyn, *Privacy, the Hacker Way*, 87 SOUTHERN CALIFORNIA LAW REVIEW 1 (2014) (offering a set of implied promises in contract law to address intangible asset governance failures and corporate information mishandling that leads to consumer harm).
8. Andrea M. Matwyshyn, *Hacking Speech: Informational Speech and the First Amendment*, 107 NORTHWESTERN LAW REVIEW 795 (2013) (offering a scale for understanding security vulnerability disclosures in corporate products in the context of protected speech).
 - selected for republication in ROD SMOLLA (ED.), FIRST AMENDMENT LAW HANDBOOK (Thompson Reuters West compendium of the year’s most notable law review First Amendment scholarship)
9. Andrea M. Matwyshyn, *The Law of the Zebra*, 28 BERKELEY TECHNOLOGY LAW JOURNAL 1 (2013) (discussing overzealous corporate use of the Computer Fraud and Abuse Act and its negative impact on traditional contract law principles and the future of corporate innovation).
10. Andrea M. Matwyshyn, *Generation C: Childhood, Code, and Creativity*, 87 NOTRE DAME LAW REVIEW 1979 (2012)(explaining the relationship between corporate data collection, corporate computer intrusion litigation, and children’s identity building/future workforce creation).
11. Andrea M. Matwyshyn, *Hidden Engines of Destruction: The Reasonable Expectation of Code Safety and the Duty to Warn in Digital Products*, 62 FLORIDA LAW REVIEW 1 (2010) (arguing in favor of a common law duty for technology companies to defend, warn, and repair flawed digital products).
12. Andrea M. Matwyshyn, *Imagining the Intangible*, 34 DELAWARE JOURNAL OF CORPORATE LAW 3 (2009) (arguing that corporate fiduciary duties should be construed to include day-to-day information stewardship decisions).
13. Andrea M. Matwyshyn, *Technoconsen(t)sus*, 85 WASHINGTON UNIVERSITY LAW REVIEW 529 (2007) (arguing in favor of a contract law construction of a “reasonable digital consumer” inspired by trademark law to rebalance corporate end user license agreements, particularly in light of consumer “consent” to security-invasive corporate digital rights management choices).

14. Andrea M. Matwyshyn, *Material Vulnerabilities: Data Privacy, Corporate Information Security and Securities Regulation*, 3 BERKELEY BUSINESS LAW JOURNAL 129 (2005) (arguing that the SEC should understand its material disclosure requirements imposed on publicly traded companies to include disclosures regarding information security and privacy errors).
15. Andrea M. Matwyshyn, *Of Nodes and Power Laws: A Network Theory Approach to Internet Jurisdiction through Data Privacy*, 98 NORTHWESTERN LAW REVIEW 493 (2004) (arguing in favor of an entrepreneurship-sensitive paradigm for internet personal jurisdiction in cases of alleged data privacy, information security, intellectual property and speech harms).

C. Computer Science Articles and Conference Proceedings

16. David Brumley, Robert Cunningham, Chris Dalton, Erik Debenedektis, Flavia Dinca, William G Dubyak, Nigel Edwards, Rhett Hernandez, Bill Horne, Brian David Johnson, Aleksandar Mastilovic, Andrea M. Matwyshyn, Avi Mendelson, Dejan Milojicic, Katie Moussouris, Adrian L. Shaw, Barry Shoop, Trung Tran, Mike Walker, *Artificial Intelligence and Machine Learning Applied to Cybersecurity*, IEEE SPECTRUM (2018)(arguing in favor of baselines of corporate care in building artificial intelligence systems).
17. Lilian Edwards, Andrea M. Matwyshyn, *Twitter (R)evolution: Privacy, Free Speech and Disclosure*, Proceedings of International World Wide Web Conference, May 13–17, 2013, Rio de Janeiro, Brazil in WWW 2013 Companion (ACM 978-1-4503-2038-2/13/05) (arguing in favor of corporate defense of user privacy as a ‘win-win’ legal approach).
18. 17. Andrea M. Matwyshyn, Salvatore Stolfo, Angelos Keromytis, Ang Cui, *Ethics in Security Vulnerability Research*, 8 IEEE SECURITY & PRIVACY 2 (2010)(arguing in favor of a business ethics principle of avoiding knowable harms as the guiding corporate principle for security research).

D. Other Articles

19. Andrea M. Matwyshyn, *Unavailable*, 81 UNIVERSITY OF PITTSBURGH LAW REVIEW 349 (2019). (merging network neutrality and the digital divide into a single national critical infrastructure information security issue and offering a novel “internet insecurity” approach modeled on food insecurity).
20. Andrea M. Matwyshyn, *Cyber Harder*, 24 BOSTON UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY LAW 450 (2018)(expanding on concrete policy proposals introduced in *CYBER!*).
21. Andrea M. Matwyshyn, *The ‘Internet of Bodies’ Is Here. Are Courts and Regulators Ready?*, Wall Street Journal, November 12, 2018, <https://www.wsj.com/articles/the-internet-of-bodies->

- [is-here-are-courts-and-regulators-ready-1542039566](#) (introducing the concept of the Internet of Bodies)
22. Comm. Terrell McSweeney and Andrea M. Matwyshyn, *Hackback in black*, The Hill, Nov. 6, 2017, <http://thehill.com/blogs/congress-blog/technology/358896-hackback-in-black> (arguing against a corporate right to offensive security conduct).
 23. Andrea M. Matwyshyn, *The Big Security Mistakes Companies Make When Buying Tech*, Wall Street Journal, March 13, 2017, <https://www.wsj.com/articles/the-big-security-mistakes-companies-make-when-buying-tech-1489372011> (introducing common corporate failure points in intangible asset protection).
 24. Andrea M. Matwyshyn, *Resilience: Building Better Users and Fair Trade Practices in Information*, 63 FEDERAL COMMUNICATIONS LAW JOURNAL 391 (2011) (arguing in favor of strengthening corporate duties of disclosure in information transactions).
 25. Andrea M. Matwyshyn, *CSR and the Corporate Cyborg: Ethical Corporate Information Security Practices*, 88 JOURNAL OF BUSINESS ETHICS 579 (2010) (arguing in favor of the principle of avoiding predictable harm as a governing principle for corporate technology conduct in security).
 26. Andrea M. Matwyshyn, *Corporate Cyborgs and Technology Risks*, 11 MINNESOTA JOURNAL OF LAW, SCIENCE & TECHNOLOGY 573 (2010) (introducing the securities Books and Records Crisis as a cautionary tale for corporate conduct and governance).
 27. Andrea M. Matwyshyn, *Data Devolution: Corporate Information Security, Consumers and the Future of Regulation* symposium (symposium organizer, editor and contributor), 84 CHICAGO KENT LAW REVIEW 713 (2010).
 28. Andrea M. Matwyshyn, *Technology, Commerce, Development, Identity*, 8 MINNESOTA JOURNAL OF LAW, SCIENCE & TECHNOLOGY 515 (2007)(framing technology regulation in terms of developmental psychology and economic self-realization).
 29. Andrea M. Matwyshyn, *Penetrating the Zombie Collective: Spam as an International Security Issue*, 4 SCRIPTed (2006)(explaining security and legal implications of phishing and botnets).
 30. Andrea M. Matwyshyn, *Silicon Ceilings: Information Technology Equity, the Digital Divide and the Gender Gap Among Information Technology Professionals*, 2 NORTHWESTERN JOURNAL OF TECHNOLOGY & INTELLECTUAL PROPERTY 1 (2004)(part of dissertation; arguing that the digital divide discourse misses half the picture: it should focus not only on digital access but also on digital production divides and underrepresented technology creators).

E. Journal Discussions, Reviews and Commentaries

31. Andrea M. Matwyshyn, *Discussion of “Online Display Advertising: Targeting and Obtrusiveness” by Avi Goldfarb and Catherine Tucker*, 30 *MARKETING SCIENCE* 409 (2011).
32. Andrea M. Matwyshyn, *Behavioural Targeting of Online Advertisements and the Future of Data Protection*, 19 *COMPUTERS AND LAW* 6 (2009).
33. Andrea M. Matwyshyn, Book review: Ian Kerr, Valerie Steeves, Carole Lucock (Eds.), *LESSONS FROM THE IDENTITY TRAIL* (2009), 3 *IDIS* 363 (2009).
34. Andrea M. Matwyshyn, *Organizational Code: A Complexity Theory Perspective on Technology and Intellectual Property Regulation*, *FOREWORD*, 11 *J. TECH. L. & POL’Y* 1 (2006).

F. Book Chapters

35. Andrea M. Matwyshyn, *Of Pandemics and Progress*, in MARGARET HU (ED.), *PANDEMIC SURVEILLANCE* (2022).
36. Andrea M. Matwyshyn, *The New Intermediation: Contract, Identity and the Future of Internet Governance*, in IAN BROWN (ed.), *RESEARCH HANDBOOK ON GOVERNANCE OF THE INTERNET*, Edward Elgar (2013).
37. Andrea M. Matwyshyn, *Commentary: Social Media, Privacy and Children’s Development*, in DIANA T. SLAUGHTER-DEFOE, *RACE AND CHILD DEVELOPMENT*, Karger (2012).
38. Andrea M. Matwyshyn, *Mutually Assured Protection: Toward Development of Relational Internet Data Security and Privacy Contracting Norms*, in ANUPAM CHANDER, LAUREN GELMAN, MARGARET RADIN (EDS.), *SECURING PRIVACY IN THE INTERNET AGE*, Stanford University Press (2008).
39. Stephen M. Foxman, Andrea M. Matwyshyn, *Chapter 10*, in KEVIN CRONIN ET AL. *WEST TREATISE ON DATA SECURITY AND PRIVACY LAW: COMBATING CYBERTHREATS*, West-Thompson (2006).

G. Work in Progress

40. Andrea M. Matwyshyn, *The Internet of Latour’s Things* (follow-on article to *Internet of Bodies*)
41. Andrea M. Matwyshyn, *Artifice and Intelligence*

42. Andrea M. Matwyshyn, *Our Founding Hackers*
43. Andrea M. Matwyshyn, *iTrust Antitrust*
44. Andrea M. Matwyshyn, *The Internet of Suspect Bodies* (follow-on article to *Internet of Bodies*)
45. Andrea M. Matwyshyn (with Alexandra Staub), *The Death and Life of the Great American Internet*
46. Andrea M. Matwyshyn, *Superspreaders* (follow-on article to *Fake*)
47. Book: THE INTERNET OF BODIES – Book project expanding on my law review articles *The Internet of Bodies*, *The Internet of Suspect Bodies*, and *The Internet of Latour’s Things*
48. Book: FAKE (with Miranda Mowbray) – Book project expanding on my law review articles *Fake* and *Superspreaders*

III. EDUCATION

Ph.D., Human Development and Social Policy (applied developmental psychology), 2005,
Northwestern University

Thesis topic: Individual level determinants of teens’ interest in technology entrepreneurship and careers

J.D. with Honors, 1999, Northwestern University School of Law

Graduate Certificate, Comparative and International Studies (now Comparative and Historical Social Science), 1999, Northwestern University

Masters-level interdisciplinary graduate degree available in connection with a primary doctorate, <http://www.bcics.northwestern.edu/groups/chss/>

Graduate Certificate, Gender Studies, 1999, Northwestern University

Masters-level graduate degree available in connection with a primary doctorate, <http://www.genderstudies.northwestern.edu/graduate/requirements.html>

M.A, International Relations, 1996, Northwestern University

Thesis topic: U.S. nuclear weapons policy and post-USSR denuclearization

B.A. with Honors, 1996, Northwestern University

Major: Political Science, Adjunct major: International Studies

IV. COURSES TAUGHT

A. Law Courses

Information Security Law and Policy, Penn State School of Law, Winter 2020, Fall 2020

PILOT lab course, Penn State Law/Engineering, Winter 2020, Fall 2020

Information Security and Privacy Law and Policy, Northeastern University School of Law, Fall 2015, Winter 2017, Fall 2017, Summer 2018

Contracts, Northeastern University School of Law, Winter 2017, Winter 2018; University of Florida, School of Law, Spring 2006, Fall 2006

Internet Law and Policy, Northeastern University School of Law, Fall 2015, Winter 2017, Fall 2017

Introduction to Intellectual Property, Northeastern University School of Law, Winter 2016, Summer 2018

Law of Marketing, University of Pennsylvania, School of Law/Wharton School, Fall 2012, Fall 2013

Securities Regulation, University of Pennsylvania, School of Law/Wharton School, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Fall 2013

Commercial Privacy and Information Security Regulation, Notre Dame Law School, Fall 2011

Secured Transactions, Notre Dame Law School, Fall 2011

Corporate Information Security Law, University of Florida School of Law, Spring 2007

Internet and E-Commerce Regulation, University of Florida, School of Law, Fall 2005, Spring 2007

International Electronic Commerce Regulation, Northwestern University School of Law, Spring 2004 and Spring 2005

Small Business Opportunity Entrepreneurship class and clinical supervision, Northwestern University, Kellogg Graduate School of Management/ School of Law, Fall 2003-Spring 2005

Structuring Corporate Transactions: Information Technology Transactions, Northwestern University, Kellogg/ School of Law, Fall 2002

B. Engineering/Computer Science Courses

PILOT lab course, Penn State Law/Engineering, Winter 2020, Fall 2020

Internet Law and Policy, Princeton University, Center for Information Technology Policy, Spring 2015

Basic Information Security: Technology, Business and Law, Northwestern University, Department of Computer Science, Fall 2005

C. Undergraduate Law and Policy Courses

Internet Law and Policy, Princeton University, Center for Information Technology Policy, Spring 2015

Securities Regulation, University of Pennsylvania, Wharton School, Spring 2010, Spring 2011, Spring 2012, Spring 2013

Intro to Legal Studies (Business Law 101), regular and honors section – introduction to corporate law, University of Pennsylvania, Wharton School, Fall, 2007, Spring 2008, Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010

Law of Marketing, University of Pennsylvania, Wharton School, Fall 2012

Internet Law and Policy, University of Pennsylvania, Wharton School, Fall 2012

Basic Information Security: Technology, Business and Law, Northwestern University, Department of Computer Science, Fall 2005

Political Economy of Social Policy, Northwestern University, School of Education and Social Policy, Winter 1998

D. MBA Courses

Securities Regulation, University of Pennsylvania, Wharton School, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Fall 2013

Law of Marketing, University of Pennsylvania, Wharton School, Fall 2012, Fall 2013

E. Executive Education Courses

Google Exec Ed, 10x program, University of Pennsylvania, Wharton School (one session), Summer 2013

Securities Regulation (8-week course), University of Pennsylvania, Wharton School, Spring 2013
- intensive course for officer-level Chinese executives

Social Media and Client Communications (individual 3-hour sessions), FINRA/University of Pennsylvania, Wharton School, Fall 2012, Spring 2011
- FINRA continuing education program for financial professionals

V. SELECTED COMMITTEES AND SERVICE

Member, University AI Director Hiring Committee, Penn State, (2020-2021)

Chair, Hiring Committee, Manglona Lab, Penn State Law (2020-2021)

Chair, Affiliate Faculty Committee, Penn State Law (2020-2021)

Hiring Committee, Law Policy & Engineering, Penn State Engineering (2018-2021)

University Technology Committee, Penn State, (2019-2020)

Faculty Co-Director, Center for Law, Innovation, and Creativity, Northeastern University School of Law (2016- 2019)

Research Faculty Sponsor, Entrepreneurship and Innovation Law Clinic, Northeastern University School of Law (2017- 2019)

Faculty Scholarship Committee, Northeastern University School of Law (2017-2018)

Development Hiring Committee, Northeastern University School of Law (2017-2018)

Curriculum Committee, Northeastern University School of Law (2015-2016)

Admissions Committee, Northeastern University School of Law (2015-2016)

Regularly interviewed by *Knowledge@Wharton* for various publications about topics of interest to the business community related to technology and innovation and my scholarship - source for 100+ articles, 2007-2013 <http://bit.ly/YagKBm>

Legal Studies & Business Ethics Department, Practice Professor Promotions, 2012-2013

University of Pennsylvania, University Committee on CCTV, 2009-2010, 2010-2011

Legal Studies & Business Ethics Department, Faculty Recruitment Committee, 2008-2009

Legal Studies & Business Ethics Department, Faculty Climate Committee, 2008-2009

Legal Studies & Business Ethics Department, PhD Admissions Committee, 2008-2009

VI. SELECTED KEYNOTES AND PRESENTATIONS

A. Keynotes and Annual Lectures

“Blockchains,” Pennsylvania Supreme Court annual retreat, Bedford Springs, Pennsylvania, June 2021

“iTrust Antitrust,” University of Sussex, CIGR Annual Conference, London, May 2019

“The Internet of (Artificially Intelligent) Bodies, University of Sussex, Sussex, May 2019

“The Internet of (Artificially Intelligent) Bodies, MacCormick Lecture, University of Edinburgh, September 2018

“The Internet of Bodies,” Atlantic Council, Washington DC, September 2017

“The Internet of Bodies,” Society for Computers and Law, Real Business Issues for Tech Lawyers, London, June 2017

“Technology Innovation and its Legal Implications,” European Commission, International Conference on Internet Science, Brussels, May 2015

“Information Governance,” SOURCE Boston, April 2014

“Information Stewardship and Innovation,” European Commission, International Conference on Internet Science, Brussels, April 2013

“The Future of Information Security Regulation,” University of Virginia Law School, February 2008

B. Conference and Speaker Series Organization

TECHNOTONOMY, May 2021, <https://www.pilotlab2.org/technotonomy>

PILOT LAB CARBON NEUTRAL SPEAKER SERIES— ongoing <https://www.pilotlab.org/carbon-neutral-speaker-series>

“PANDEMIC SURVEILLANCE: PRIVACY, SECURITY, AND DATA ETHICS” (jointly with Duke Kenan Ethics Center and Internet Research Institute, Brazil), November 2020.

DISINFOTOPIA, April 2020, <https://www.pilotlab.org/disinfotopia>

CONNECTED FUTURES, Northeastern University, June 2017 (co-organizer and moderator)

GIKII: All Your Internet Thing Are Belong to Us, London, September 2016

TRUSTING HUMAN SAFETY TO SOFTWARE: WHAT COULD POSSIBLY GO WRONG?, Center for Information Technology Policy, Princeton University, November 2014

PRIVACY LAW SPEAKER SERIES, U.S. Federal Trade Commission, Spring-Summer 2014

INVISIBLE HARMS, Wharton School, University of Pennsylvania, November 2013

INFORMATION SECURITY BEST PRACTICES, conference organizer, University of Pennsylvania, The Wharton School, January 2009

TECHNOLOGY LAW SPEAKER SERIES, University of Florida Law School, Fall 2006-Spring 2007

DATA DEVOLUTION: INFORMATION SECURITY AND CONSUMER PROTECTION, University of Florida Law School, January 2006

C. Selected Presentations – Law and Social Science

Panelist, “It’s All in Your Head,” panel on internet-enabled brain devices, ABA, October 2020

Panelist, “Disruptive Technologies Legal Summit,” Winston & Strawn, October 2020

Panelist, “Election Security in the 2020 Election,” LPE, Penn State, October 2020

Panelist, “Conduct of Election,” panel, Kluge Center, Library of Congress, September 2020

“Internet of (Best) Bodies,” CDRH, FDA, September 2020

Panelist, “Transparency and Explainability in AI Healthcare Standardization,” FDA, September 2020

“Internet of Suspect Bodies,” PLSC, June 2020

Panelist, Council of Europe, Convention 108+, November 19, 2019

“Internet of Bodies,” Digital Medicine Symposium, Harvard Business School, May 2019

Commenter, Privacy Law Scholars Conference, UC Berkeley, May 2019

“Internet of Bodies,” Digital Health conference, School of Law, Northeastern University, April 2019

“Competition and Intermediation,” School of Journalism/School of Law, University of Missouri, April 2019

“Unavailable,” Network neutrality conference, School of Law, University of Pittsburgh, March 2019

“Internet of Bodies,” JIGL conference, School of Law, Notre Dame, March 2019

Invited Participant, CyberMed Summit, School of Medicine, University of Arizona, December 2018

Invited Participant, AI/ML in Security workshop, IEEE, Virginia, November 2018

Panelist, Botnet Takedowns panel, CYCON, West Point, November 2018

Panelist, Security and Privacy panel, Silicon Flatirons conference, University of Colorado, November 2018

Invited Participant, Law and Technology Workshop, Levin College of Law, University of Florida, October 2018

“The Internet of (Artificially Intelligent) Bodies,” Computer Science/ School of Law, Boston University, October 2018

“Internet of Bodies,” School of Law, Penn State, October 2018

“Artifice and Intelligence,” Cornell Tech, September 2018

“Artifice and Intelligence,” Gikii Conference, University of Vienna, September 2018

“Internet of Bodies,” School of Law, University of Iceland, June 2018

“Broken,” Privacy Law Scholars Conference, George Washington Law, June 2018

“Internet of Bodies,” ASU School of Law, May 2018

“Internet of Bodies,” NYU, April 2018

“Artifice and Intelligence,” Seton Hall Law School, April 2018

“Internet of Bodies,” Lastowka Workshop, Washington and Lee Law School, April 2018

“Internet of Bodies,” Yale Cyber Leadership Forum, Yale Law School, April 2018

“Internet of Bodies,” Computer Science, Notre Dame, March 2018

“Internet of Bodies,” Boston University School of Law, February 2018

“Internet of (Vulnerable) Bodies,” panel organizer and moderator, CPDP, Brussels, January 2018

“CYBER!,” Information Society Project, Yale Law School, November 2017

“Internet of Bodies,” University of Albany Law School, October 2017

“Internet of Bodies,” West Point, August 2017

“Internet of Bodies,” Interdisciplinary Summer School, Nijmegen, June 2017

“The Internet of Things,” Federal Judicial Center, Magistrates Conference, Portland, April 2017

“Internet of Bodies,” Cyberlaw Scholars Workshop, Villanova Law, January 2017

“Internet of Bodies,” University of Edinburgh Law, November 2016

“Internet of Bodies,” University of Sussex Law, October 2016

Panel Moderator, “Public-Private Bug Bounty Best Practices,” CyCon US, West Point, October 2016

“Internet of Bodies,” West Point, August 2016

“Internet of Bodies,” Privacy Law Scholars, June 2016

“CYBER!,” West Point, April 2016

“CYBER!,” Georgetown Law School, November 2015

“Next Generation FCC Consumer Protection: Data Stewardship,” Federal Communications Commission, August 2015

“Privacy and Information Security Class Actions,” guest lecture in Economics of the Internet course, Department of Economics, Princeton University, November 2014

“Generation C: “Hacker” Children and the Future of Innovation,” University of Ottawa, School of Law, October 2014

Panelist, “Medical Privacy, Mobile Devices and the Future of Identity,” 2014 Health Privacy Summit, Georgetown Law School, June 2014

“Information Security and Public-Private Divides,” Suffolk Law School, April 2014

Information security roundtable participant, Berkman Center, Harvard Law School, April 2014

“Information Security and Public-Private Divides,” University of Georgia Law School, March 2014

“Privacy, the Hacker Way,” Northeastern Law School, March 2014

“Safety Secrets,” Trade Secret Scholars conference, University of Florida, February 2014

“Information Security and the Internet of Things,” AALS, January 2014

“Hacker-Children and the Role of Parents,” AALS, January 2014

“Information Security Regulation and Iteration,” Notre Dame Law School, October 2013

“Information Security, Mobile Health and the Internet of Things,” Mobile Health Exploratory Seminar, Harvard Law School, September 2013

“Talking Data,” Cardozo Law School, Intellectual Property Scholars Conference, August 2013

“The Future of Information Security Regulation,” eCommerce Best Practices, Stanford Law School, June 2013

“Hacking Speech,” Free Expression Scholars, Yale Law School, April 2013

“Bankrupting Privacy,” Internet Law Works in Progress, Santa Clara Law School, March 2013

“Social Media Privacy,” JTIP Symposium, Northwestern University Law School, March 2013

“Hacking and the Future of the CFAA,” Rutgers Law School, March 2013

“Code and Creativity,” Works in Progress in Intellectual Property, Seton Hall Law School, February 2013

“Bankrupting Privacy,” Cyberlaw Workshop, Villanova Law School, February 2013

"Code and Creativity," IP Scholars Workshop, New York University Law School, January 2013

"Hacking Speech," Annenberg School, University of Pennsylvania, October 2012

“Developments in U.S. Privacy and Information Security Law Enforcement,” Society for Computers and Law, London, September 2012

“Privacy by Contract, the First Amendment, and the US Privacy Bill of Rights, EU Excellence in Internet and Network Science Workshop, University of Oslo, August 2012

“Code, Creativity and Identity,” EU Excellence in Internet and Network Science Summer School (UK), Oxford Internet Institute, August 2012

“Generation C: Children, Code and Creativity,” Intellectual Property Law Scholars Conference, Stanford Law School, August 2012

“Bankrupt Promises,” (retitled Bankrupting Privacy) Privacy Law Scholars workshop, GW Law School, June 2012

Panelist, “Mobile Technologies and Information Security,” Fordham Law School/Federal Judicial Center, March 2012

“Generation C: Children, Code and Creativity,” Wharton School, March 2012

“Hacking Privacy,” Notre Dame Law School, March 2012

“Digital Childhood,” Monash University Faculty of Law, February 2012

“Digital Childhood,” Symposium on Innovation in Education, Notre Dame Law School, November 2011

“Essential Breaches: Contract and Computer Intrusion,” Notre Dame Law School, October 2011

“Computer Intrusion post 9/11,” Symposium on Post 9/11 Legislative Change, Notre Dame Law School, October 2011

“Trends in US Consumer Protection and Internet Privacy,” Society for Computers and Law, London, September 2011

“Privacy Defaults,” OBA Policy Forum, University of Edinburgh, July 2011

“Virtual Childhood,” Gikii, IT University, Gothenburg, June 2011

Roundtable participant, Digital Policy Issues for the New Communications Bill, Oxford Internet Institute, June 2011

“Digital Childhood,” Gikii, University of Gothenberg, June 2011

“Digital Childhood,” Privacy Law Scholars, University of California, Berkeley, May 2011

“(Techno)Essentializing Breach,” Santa Clara Law School, March 2011

“(Techno)Essentializing Breach,” Rutgers University School of Law, February 2011

“Contract and Privacy,” University of Florida School of Law, February 2011

“Contract and Privacy,” Boston University School of Law, February 2011

“(Techno)Essentializing Breach,” Wharton School, Legal Studies and Business Ethics Department, University of Pennsylvania, January 2011

“(Techno)Essentializing Breach,” Wharton Media Scholars Workshop, December 2010

“Contract and Privacy,” Temple Law School, November 2010

“Authorized Access,” Gikii, University of Edinburgh School of Law, June 2010

“Corporate Cyborgs and Augmented Minds,” Computers, Freedom, Privacy, June 2010

“Information Capital,” Privacy Law Scholars conference, George Washington School of Law/ UC Berkeley School of Law, June 2010

“Building Better Users,” Rough Consensus and Running Code conference, University of Pennsylvania Law School, May 2010

“Corporate Cyborgs and Consumer Information,” College of Arts and Sciences Faculty Preceptorial – at student invitation, University of Pennsylvania, May 2010

“Authorized Access,” Case Western Reserve University School of Law, May 2010 “Information Capital,” Cyberlaw workshop, University of Puerto Rico/ University of Ottawa School of Law, January 2010

“Bourdieu and Data Privacy,” Legal Studies & Business Ethics Department, University of Pennsylvania, Wharton School, October 2009

“Third Party Beneficiaries and Information Security,” Gikii, University of Amsterdam School of Law, September 2009

“Bourdieu and Data Privacy,” IP Scholars conference, Cardozo Law School / UC Berkeley School of Law/ Stanford Law School, August 2009

“U.S. Information Security Regulation,” Singapore Management University School of Law, June 2009

“Bourdieu and Data Privacy,” SoGikii, University of New South Wales, June 2009

“Duties of Code Safety,” workshop on DRM, Federal Trade Commission, March 2009

Information Security Panel, Wharton Interactive Media Initiative conference, Panel organizer and moderator, University of Pennsylvania, Wharton School, January 2009

Corporate Cyborg,” Internet Policy Lunch, University of Pennsylvania, Annenberg School, January 2009

“Corporate Cyborg,” Telecom Colloquium, University of Pennsylvania, Legal Studies and Business Ethics, Wharton School, December 2008

“Corporate Cyborg,” GIKII, Oxford Internet Institute, University of Oxford, September 2008

“Behavioral Advertising and Datamining,” Society for Computers and Law, London, September 2008

“Symbolic Harms: Information Security and Duties to Warn,” Law and Society, May 2008

Charismatic Content panel, Computers, Freedom, Privacy, Panel organizer and moderator, Yale University School of Law, May 2008

“The Future of Information Security Regulation,” American Association of Law Schools, January 2008

“Symbolic Harms: Information Security and the First Amendment,” University of Pennsylvania, Wharton School, November 2007

“Black Collar Crime: Information Security and the Changing Nature of Information Crime,” GIKII, University College of London, September 2007

“Corporate Cyborgs and Information Security,” Society for Computers and Law, London, September 2007

“Corporate Cyborgs and Information Security,” International Law and Society, Berlin, July 2007

“Information Security Law and Strategy,” Supernova, San Francisco, June 2007

“Corporate Information Assets and Data Breach Regulation,” SMU Dedman School of Law, February 2007

“Technoconsen(t)sus,” University of Pennsylvania, Wharton School, December 2006

“Technoconsen(t)sus,” University of Washington School of Law, December 2006

“Technoconsen(t)sus,” Case Western Reserve University School of Law, November 2006

“Technoconsen(t)sus,” University of Ottawa School of Law, October 2006

“A Network Theory Perspective on Information Security Regulation,” University of Illinois School of Law, March 2006

“Penetrating the Zombie Collective: Spam as an International Security Issue,” University of Oxford, September 2005

“Spyware in Comparative International Regulatory Context,” University of Edinburgh School of Law, September 2005

“Enterprise Risk Management and Technology Business,” Northwestern University, Kellogg Graduate School of Management, August 2005

“Spam and International Security,” Law and Society, Las Vegas, June 2005

“Material Vulnerabilities: Data Privacy, Corporate Information Security and Securities Regulation,” Northwestern University School of Law, January 2005

“Corporate Information Security Risk Management and Regulation in International Context,” Northwestern University, Kellogg Graduate School of Management, August 2004

“Constructing Tools of Development: Open Source Licensing and Developer Self-realization,” UC Berkeley Law School/ Cardozo Law School/ DePaul Law School, August 2004

“Enterprise Risk Management and Entrepreneurship,” Northwestern University, Kellogg Graduate School of Management, July 2004

“Enterprise Risk Management, Legal Complexity and Internet Security Contracting,” Northwestern University, Kellogg Graduate School of Management, June 2004

“Legal Entrepreneurship Resources and Enterprise Risk Management,” Northwestern University, Kellogg Graduate School of Management, April 2004

“Ethical Enterprise Risk Management,” Midwest Business Association Administration Conference, March 2004

“Business Data Collection, Regulating Children’s Privacy Online and Human Development,” Northwestern University, School of Communications, March 2004

“Mutually Assured Protection: Development of Relational Internet Data Security Contracting Norms,” Stanford Law School, March 2004

“Managing Information Security in the International Marketplace,” moderator of Digital Frontier Conference panel, Northwestern University, Kellogg Graduate School of Management, January 2004

“Enterprise Risk Management and Information Security,” Intellectual Property Law Week panel moderator, Northwestern University School of Law, January 2004

“Comparative EU-US Internet Privacy and Jurisdiction Regulation,” University of Edinburgh School of Law, December 2003

“Enterprise Risk Management and Legal Strategy for High Tech Entities,” Northwestern University, Kellogg Graduate School of Management, November 2003

“Comparative EU-US Privacy Regulation,” University of Oxford, August 2003

“Corporate Privacy and Security Auditing,” Association of Internal Auditors, March 2003

“Russian e-Commerce and U.S. Business,” Northwestern University School of Law, February 2003

“Internet Privacy and Total Information Awareness,” Northwestern University School of Law, January 2003

“U.S. Small Business and the Internet,” Northwestern University School of Law, September 2002

“Information Technology Implications of Health Data Privacy,” Northwestern University School of Law, April 2002

“Entrepreneurship Online: Small Business e-Commerce Considerations,” Northwestern University School of Law, January 2002

“International e-Commerce Privacy Considerations,” Northwestern University School of Law, August 2001

“Internet Law in Australia and New Zealand,” Northwestern University School of Law, January 2001

D. Selected Presentations – Computer Science/ Technology Industry

Panelist, The Jetsons are Here!, Executive Women’s Forum, October 2021

Panelist, Cloud Security and Healthtech panel, Biohacking Village, DEFCON 2021

Ethics Village, Law track organizer and presenter, DEFCON 2020
<https://www.pilotlab.org/defcon2020>

Ethics Village, Law track organizer and presenter, DEFCON 2019

“Security, Safety, and the Internet of Things,” (with CPSC Comm. Kaye), Shmoocon, January 2019

“The Internet of Bodies,” panel organizer and moderator, DEFCON Biohacking Village, August 2018 (panelists: Commissioner Rebecca Slaughter (FTC), Dr. Suzanne Schwarts (FDA), Prof. Stephanie Pell (West Point))

“Broken,” DEFCON Ethics Village, August 2018

“Broken,” EstesCon, Colorado, April 2018

“Broken,” NarwahlCon, Las Vegas, July 2017

“Meet the Fed,” panel organizer and moderator, DEFCON, July 2017

“Generation C: Hacker Children and the Future of Innovation,” BSidesLV, August 2016

“CYBER!,” RVASec, June 2016

“Generation C: “Hacker” Children and the Future of Innovation,” CITP, Princeton University, February 2015

“Bitcoin Regulation,” guest lecture in Bitcoin and Cryptocurrency Technologies, Department of Computer Science, Princeton University, October 2014

“Top Technology Entrepreneurship Mistakes,” guest lecture in Advanced Programming

Techniques, Department of Computer Science, Princeton University

“U.S. Regulation of Information Security,” Inaugural conference of Global Centre for Cybersecurity Capacity, University of Oxford, November 2013

“Information Security and Privacy Law: Past, Present and Future,” Department of Computer Science, NYU Poly, August 2013

“*Hacking Speech*,” USENIX Security, EVT workshop, August 2013

“Hacked Up: Reforming the Computer Fraud and Abuse Act,” DEFCON Skytalks, Las Vegas, August 2013

“Catawampus: Initial Filings and the CFAA,” BSidesLV, Las Vegas, August 2013

“Twitter (R)evolution: Privacy, Free Speech and Disclosure,” WWW2013, Rio, May 2013
“Database Anonymization and Data Protection in the U.S.,” Department of Computer Science, University of Auckland, February 2012

“Safe(r) Code and the Cyborg User,” Microsoft Corporation, Hyderabad, March 2011

Panel moderator, Information Security panel, Supernova Conference, June 2008

“Vulnerable Data and Legal Standards of Due Care,” University of Illinois at Chicago, Department of Information and Decision Sciences, March 2005

“Information Security Negligence,” RSA 2005, San Francisco, February 2005

“Enterprise Risk Management for Information Technology Manufacturers”, Centre for Economics and Policy, School of Engineering, University of Cambridge, November 2003

“Introduction to Corporate Information Security Law,” Black Hat, July 2003

“Intellectual Property Development and Protection,” ACM, Chicago Chapter, May 2003

VII. SELECTED CONGRESSIONAL TESTIMONY AND OTHER GOVERNMENT SERVICE

Kluge Center, Library of Congress, Research Scholar Advisory Committee Member (ongoing)

Food and Drug Administration, consulting expert, Cybersecurity Team, CDRH, (ongoing)

Consumer Product Safety Commission, Presenter, hearing into machine learning and consumer safety, May 2021

[Redacted agency], [Redacted enforcement matter], consulting security expert (2020)

Copyright Office, Library of Congress, 2020-2021 Renewal application for (previously granted) DMCA Section 1201 Consumer Product Security Research Exemption granted in 2014-2015 Triennial Review Process and first renewed in 2017-2018

Council of Europe, Speaker, Convention 108+, November 19, 2019

Consumer Product Safety Commission, Testimony, *The Internet of Things and Consumer Products Hazards*, May 2018, <https://www.youtube.com/watch?v=-YSDEkWuxUo>

Copyright Office, Library of Congress, Filing expressing neither opposition nor support for Class 10 proposed exemption to DMCA Section 1201 during 2017-2018 Triennial Rulemaking Process , https://www.copyright.gov/1201/2018/comments-031418/class10/Class_10_Reply_Joint_Security_Researchers.pdf

Copyright Office, Library of Congress, 2017-2018 Renewal application for (previously granted) DMCA Section 1201 Consumer Product Security Research Exemption granted in 2014-2015 Triennial Review Process – renewal recommended by Copyright Office, <https://www.regulations.gov/document?D=COLC-20170007-0070>

Copyright Office, Library of Congress, Attorney of record representing computer science academics (Profs. Steve Bellovin, Matt Blaze, Alex Halderman, Nadia Heninger) in successful 2014-2015 DMCA Section 1201 Triennial Rulemaking Process petition obtaining a broad security research exemption for consumer products http://copyright.gov/1201/2014/petitions/Bellovin_1201_Intial_Submission_2014.pdf (exemption granted on 10/28/2015)

United States House of Representatives, Testimony, Homeland Security Committee, *Promoting and Incentivizing Cybersecurity Best Practices*, July 28, 2015, <https://homeland.house.gov/hearing/subcommittee-hearing-promoting-andincentivizingcybersecurity-best-practices/>

U.S. Federal Trade Commission, Senior Policy Advisor and Scholar in Residence, Dec. 2013-August 2014, <http://1.usa.gov/18KxYha>

United States House of Representatives, Testimony, Energy and

Commerce Committee, *Reporting Data Breaches: Is Federal Legislation Needed to Protect Consumers?*, July 18, 2013,
<http://energycommerce.house.gov/hearing/reportingdatabreachesfederal-legislation-needed-protect-consumers>

European Commission, *Cyborg Children and the "Vulnerable Consumer,"* Digital Agenda for Europe, Futurium project webinar, July 11, 2013,
<https://ec.europa.eu/digitalagenda/futurium/en/content/norms-and-values-media-2030>

VIII. BOARD MEMBERSHIPS AND AFFILIATIONS

IEEE Technology Predictions Team, 2018 - 2021

AALS Internet Law Section officer, 2017 - 2021

CFP Review Board, DEFCON security conference, 2016 – 2018

Jotwell legal blog, Contributor, 2017 - 2021

Editorial Board Member, Harvard Journal of Technology Science, 2015 - 2021

IEEE International Workshop on Privacy Engineering, program committee member, 2017

Reviewer, IEEE Security and Privacy, 2014 - 2021

Advisory Board Member, SCRIPT-ed, Technology Journal of University of Edinburgh School of Law, 2004 – 2021 <http://www.law.ed.ac.uk/ahrb/script-ed/about.asp>

Information Security and Privacy Interdisciplinary Research and Education program (INSPIRE), Center for Interdisciplinary Studies in Security and Privacy advisory board member, NYU- Poly, 2013 - 2015

EU Network of Excellence in Internet Science Advisory Board Member, Oxford Internet Institute, 2012 – 2015 <http://www.internet-science.eu/>

Fulbright Foundation Senior Specialist Candidate, 2004-2011

Reviewer, MARKETING SCIENCE, 2011

Reviewer, JURIMETRICS, American Bar Association/Arizona State University journal of technology and law, 2009

Reviewer, JOURNAL OF LAW, TECHNOLOGY AND POLICY, University of Illinois, 2010

IX. GRANTS (where personal compensation resulted)

Hewlett Foundation, \$150,000, Fall 2019

- Co-authoring an information security law and policy textbook

University of Pennsylvania internal grants

- Vice Provost Global Engagement Fund (with co-PI), Fall 2012 - \$25,000
- Dean's Research grant, Summer 2012, Summer 2011 - \$10,000
- Zicklin Center research grants, Fall 2012, Fall 2007 - \$10,000

Microsoft Corp. Trustworthy Computing Curriculum Grant (with Co-PI), \$50,000, December 2004, <http://bit.ly/15SSXgP>

- Developed and taught a curriculum about information security and privacy law and policy, including medical device security and patient medical privacy.

X. SELECTED PRESS MENTIONS

A. Podcast Interviews (full length)

Kara Swisher's Recode Decode, Vox, December 4, 2019, <https://soundcloud.com/recode-decode/andrea-matwyshyn-we-already>

Microsoft Corporation, Afternoon Cyber Tea with Ann Johnson, April 11, 2020, Part 1: <http://admin.podcastone.com/episode/The-Internet-of-Bodies-Human-Potential-and-Security-Pitfalls-Part-1> and April 18, 2020, Part II: <http://admin.podcastone.com/episode/The-Internet-of-Bodies-Human-Potential-and-Security-Pitfalls-Part-2>

Michael Madison, Future Law Podcast, May 1, 2021, <https://podcasts.apple.com/us/podcast/ep-34-andrea-matwyshyn-penn-state-professor-law-innovation/id1434998089?i=1000519590744&l=tr>

B. Press Relationships and Awards

Wall Street Journal – opinion writer under contract

Wharton Business News Radio, Knowledge@Wharton Sirius XM III, “Friend of the Show” – (2007-2020), commenting on information governance (security/privacy) issues, law, and corporate governance <https://businessradio.wharton.upenn.edu/>

Washington Post “The Network” member – commenting on information security and privacy policy and law

https://www.washingtonpost.com/graphics/2018/politics/powerpost/thenetwork/?noredirect=on&utm_term=.d5de0d254dc1

Named to *Cyberscoop* “Leet” List, 2018, <https://www.cyberscoop.com/2018-cyberscoop-leet-list/>

C. Selected Individual Commentary

ABC News

- Should Companies Be Required to Disclose Cyberattacks?, October 21, 2011, <http://abcnews.go.com/blogs/politics/2011/10/should-companies-be-required-to-disclose-cyberattacks/>

BBC

- Apple v Samsung patent verdict reconsidered in court, December 6, 2012, <http://www.bbc.co.uk/news/technology-20615376>
- Samsung and Apple’s patent clash heads to trial by jury, July 30, 2012, <http://www.bbc.co.uk/news/technology-19022935>
- Yahoo sues Facebook over 10 disputed patents in the US, March 12, 2012, <http://www.bbc.com/news/technology-17345935>
- LG Signs Deal with Patent Giant Intellectual Ventures, November 8, 2011, <http://www.bbc.co.uk/news/technology-15644051>
- Amazon Reveals its Patent Suits are on the Rise, October 27, 2011, <http://www.bbc.co.uk/news/technology-15482508>

Bloomberg Press

- Multiple appearances on Bloomberg Law radio show with June Grasso
- Internet ‘Zombie’ Threat Needs Killer Response, July 31, 2006, http://www.bloomberg.com/apps/news?pid=20601039&sid=agfW9m.QSIXc&refer=columnist_hassett
- Verizon First Amendment Challenge Of Net Neutrality Tests Century of Regulation, January 24, 2013, <http://www.bna.com/verizon-first-amendment-n17179872014/>

Businessweek

- AT&T Hacker 'weev' Tests Limits of U.S. Crime Law on Website Use, June 17, 2013, <http://www.businessweek.com/news/2013-06-17/at-and-t-hacker-weev-tests-limits-of-u-dotsdot-crime-law-on-website-use>

CBS News

- Social Media Policies Get More Lax Even For Corporate Executives, April 7, 2013, <http://philadelphia.cbslocal.com/2013/04/07/social-media-policies-get-more-laxevenforcorporate-executives/>

CBC

- How Hollywood is fighting back against piracy, August 14, 2017, <http://www.cbc.ca/player/play/1024587843542>

CNBC

- If Kalanick doesn't come back, then we know things are very bad, June 13, 2017, <https://www.cnbc.com/video/2017/06/13/if-kalanick-doesnt-come-back-then-we-know-thingsare-very-bad-marketplace.html>
- Google diversity memo sparks outrage, Aug 7, 2017, <https://www.cnbc.com/video/2017/08/07/google-diversity-memo-sparks-outrage.html>

CNN

- Can people actually own virtual property?, May 10, 2010, <http://edition.cnn.com/2010/TECH/05/10/virtual.property.second.life/>
- Can the law keep up with technology?, Nov. 17, 2009, http://articles.cnn.com/2009-11-17/tech/law.technology_1_libel-digital-content-law-and-technology?_s=PM:TECH
- Will your privacy be compromised online?, September 28, 2009, <http://www.cnn.com/2009/TECH/09/28/online.security.tactics/index.html>
- Technology Posing Ethical Questions, September 25, 2008 <http://www.cnn.com/2008/BUSINESS/09/25/digital.ethics/index.html> *Financial Times*
- Glow wants to bring fertility tracking to the workplace, February 20, 2014, <http://www.ft.com/intl/cms/s/0/b485dcba-9a1d-11e3-823200144feab7de.html?siteedition=intl#axzz2wEAzD6OH>

Financial Times

- Glow wants to bring fertility tracking to the workplace, February 20, 2014

Forbes

- Facebook's Private Surprise, September 16, 2009,
<http://www.forbes.com/2009/09/15/facebookprivacy-ponemon-technology-security-truste.html>
- Our Privacy, Your Business, August 2, 2009,
<http://www.forbes.com/2009/08/02/andreatwysyn-defcon-technologysecuritymatwysyn.html>
- What Customer Data Should You Keep--And Toss?, March 19, 2009,
<http://www.forbes.com/2009/03/19/heartland-payment-security-entreneurssalesmarketingsecurity.html>
- Facebook Bows To Peer Pressure, February 18, 2009,
http://www.forbes.com/2009/02/18/facebook-privacyinternettechnologyinternet_0218_facebook.html

The New York Times

- Apps That Know What You Want, Before You Do, July 29, 2013,
http://www.nytimes.com/2013/07/30/technology/apps-that-know-what-you-want-before-you-do.html?emc=rss&partner=rss&_r=0
- Privacy, Please: This Is Only for the Two of Us, June 2, 2012,
http://www.nytimes.com/2012/06/03/technology/apps-aiming-for-sharing-withinboundaries.html?_r=1
- Web Privacy on the Radar in Congress, New York Times, August 10, 2008,
http://www.nytimes.com/2008/08/11/technology/11privacy.html?_r=1&fta=y&pagewanted=all

Newsweek

- The Cookie Crumbles: By banning online sales, are the Girl Scouts failing our daughters?, March 11, 2009 <http://www.newsweek.com/id/188714>

NPR

- Texting while driving? There's an app to stop that, May 20, 2013, <http://www.marketplace.org/topics/tech/texting-while-driving-theres-app-stop>
- Ready, fire, aim: Why Silicon Valley shoots from the hip, April 11, 2013, <http://www.marketplace.org/topics/business/ready-fire-aim-why-silicon-valleyshootship#.UWh13VsNkEw.email>

PBS

- Digital Age, April 14, 2013, <http://www.digitalage.org/video/are-we-prosecutingtheright/hackers/>

Politico

- Adding Cyber to SAFETY Act?, July 28, 2015, <http://www.politico.com/tipsheets/morningcybersecurity/2015/07/cisa-races-clock-to-senatefloor-poll-americans-dont-support-hackingback-vs-nation-states-212543>

TechCrunch

- Google Glass Women Problems, March 3, 2013, <http://techcrunch.com/2013/03/03/googleglass-women-problems/>

Time

How Apple Made 'Vertical Integration' Hot Again — Too Hot, Maybe, March 13, 2013, <http://business.time.com/2012/03/16/how-apple-made-vertical-integration-hot-againtoohotmaybe/#ixzz2QIMsEu2Z>

U.S. News and World Report

- Myspace Carves Out Niche Via Music and Easing Privacy Worries, January 18, 2013, <http://www.usnews.com/news/articles/2013/01/18/myspace-carves-out-niche-via-musicand easing-privacy-worries>

The Wall Street Journal

- FTC Wins Wyndham Skirmish, Battle Goes On, April 9, 2014,
<http://blogs.wsj.com/riskandcompliance/2014/04/09/the-morning-risk-report-ftc-winswyndhamskirmish-battle-goes-on/>
- If a Business Owner Dies, Who Can Access the Web?, May 21, 2012,
<http://online.wsj.com/article/SB10001424052702304537904577279163704266448.html>

Washington Post

- Secrecy surrounding ‘zero-day exploits’ industry spurs calls for government oversight, September 1, 2012,
http://www.washingtonpost.com/world/nationalsecurity/secrecysurrounding-zeroday-exploits-industry-spurs-calls-for-governmentoversight/2012/09/01/46d664a6-edf7-11e1-afd6f55f84bc0c41_story.html
- Italian spyware firm relies on U.S. Internet servers, March 3, 2014,
http://www.washingtonpost.com/world/national-security/italian-spyware-firm-relies-on-usinternet-servers/2014/03/03/25f94f12-9f00-11e3-b8d8-94577ff66b28_story.html

Wired

- Former Employees Are Suing Sony Over ‘Epic Nightmare’ Hack, December 16, 2014
<http://www.wired.com/2014/12/sony-getting-sued-former-employees-protecting-data/>
- We’d All Benefit if Celebs Sue Apple Over the Photo Hack, September 4, 2014,
<http://www.wired.com/2014/09/law-apple-photo-hack/>
- Rare Legal Fight Takes On Credit Card Company Security Standards and Fines, January 11, 2012, <http://www.wired.com/threatlevel/2012/01/pci-lawsuit/>
In Legal First, Data-Breach Suit Targets Auditor, June 2, 2009,
http://www.wired.com/threatlevel/2009/06/auditor_sued/
- Experts Say MySpace Suicide Indictment Sets “Scary” Legal Precedent, May 15, 2008,
<http://www.wired.com/threatlevel/2008/05/myspace-indictm/>
- California Woman Sues Choicepoint, February 24, 2005,
http://www.wired.com/news/privacy/0,1848,66710,00.html?tw=wn_tophead_3
- ID Theft Victims Could Lose Twice, February 23, 2005,
<http://www.wired.com/news/privacy/0,1848,66685,00.html>

XI. PROFESSIONAL ACCREDITATION

State of Illinois Bar - admitted Fall 1999; active and in good standing