

# JUSTIFICATION AND APPROVAL OF EMPLOYMENT OF EXPERT/CONSULTANT

## IDENTIFICATION (to be completed by originating office)

1. NAME OF EXPERT/CONSULTANT (Last, First, Middle) <b>Erik Martin</b>	2. POSITION TITLE Technology Advisor	3. CURRENT SALARY	4. SALARY REQUESTED 0.0
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5. SUMMARY OF DUTIES (Describe in enough detail to show the work to be performed requires the services of an expert/consultant. Use other side, if necessary.)

The position is located in the Office of Public Policy (OPP), FTC, Washington, DC. The assignee will act as a Senior Technology Advisor, and serve as a visionary leader on policy and strategic initiatives that directly and indirectly affect Commission technology policy and operations. As an authority on and recognized expert in technology research, engineering, and User Experience Design (UX) design, the assignee will represent the Chief Technologist in conferences with senior Commission leaders, and provide advice on significant technology and related policy issues. The assignee will play an integral role in the Commission's strategic direction and advise senior Commission leaders on technologies required to advance the agency's mission. Having wide latitude of responsibility for providing advice and assistance on matters encompassing major technology research, engineering, and or User Experience Design (UX) design initiatives, the assignee will provide the Chief Technologist advice and analysis to influence decisions regarding programs and policies that enhance the effectiveness of the commission's technology operations.

6. SUMMARY OF QUALIFICATIONS (Describe in enough detail to show that the expert/consultant has the kind and level of experience required for the work to be performed. Use other side, if necessary.)

Erik previously served as a policy advisor at the White House Office of Science and Technology Policy (OSTP), in addition to serving as the Department of Energy, Department of Education, and in the U.S. House of Representatives. He studied at the Oxford Internet Institute as a Clarendon Scholar, where he conducted research on misinformation and disinformation in the media environment. Since then, he has advised on technology policy matters for the Day One Project and the Democracy Fund, where he has helped formulate and advance cutting-edge policy proposals at the intersection of technology, media, and democracy. Erik's experience and expertise, derived from his time across government and nonprofit organizations, will be critical to the FTC Chief Technologist's efforts to coordinate diverse stakeholders working to leverage technology in the public interest, facilitate strategic policy initiatives at the Commission to protect consumers in digital marketplaces, and build capacity for the agency to incorporate cutting-edge technology expertise into case teams through BC and BCP.

7. COMPLETE THIS ITEM ONLY FOR CONVERSION TO NEW APPOINTMENT

Intermittent employment totaled \_\_\_\_\_ days in a pay status from \_\_\_\_\_ to \_\_\_\_\_ (mm/dd/yy) of the previous service year.

8. IS/WAS (within the last two (2) years) THE EXPERT/CONSULTANT UNDER CONTRACT WITH THE FEDERAL TRADE COMMISSION?

No  Yes. If Yes, provide contract number. \_\_\_\_\_

9. REQUESTED BY Erie Meyer, CTO	10. TELEPHONE NUMBER
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11. BUREAU/OFFICE Office of Public Policy	12. DIVISION
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## APPROVALS

13. I certify that the expert/consultant will be assigned only the duties described above. Duties will not include the performance or the supervision of operating functions. I also certify that the Statement of Employment and Financial Interests has been reviewed in terms of the duties stated above, and no conflict of interests exists.

SIGNATURE OF ASSISTANT DIRECTOR (Headquarters) OR REGIONAL DIRECTOR (Regional Offices) \_\_\_\_\_ DATE \_\_\_\_\_

SIGNATURE OF BUREAU/OFFICE HEAD \_\_\_\_\_ DATE \_\_\_\_\_

Erie Meyer

14. Expert/Consultant has certified that no conflict exists via the Confidential Conflict of Interest Statement (alternative to OGE Form 450).

SIGNATURE OF AGENCY ETHICS OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

**LORIELLE PANKEY**

Digitally signed by LORIELLE PANKEY  
Date: 2021.09.08 16:13:51 -04'00'

15. FOURTH QUARTER APPROVAL

OFFICE OF THE EXECUTIVE DIRECTOR REPRESENTATIVE \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**DAVID ROBBINS**

Digitally signed by DAVID ROBBINS  
Date: 2021.09.09 11:49:55 -04'00'

16. I certify that: a) this expert/consultant position is necessary;  
b) the position is  Intermittent (has no regular tour of duty)  Temporary (has a regular tour of duty);  
c) the daily rate of \$ 0.00 is commensurate with the work to be performed and the appointee's qualifications;  
d) all requirements of law have been met.

SIGNATURE OF CHIEF HUMAN CAPITAL OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

**VICKI BARBER**

Digitally signed by VICKI BARBER  
Date: 2021.11.04 14:24:48 -04'00'

**AMENDMENT TO FTC-189 (JUSTIFICATION AND APPROVAL OF EMPLOYMENT OF EXPERT/CONSULTANT) AND FTC-244 (QUARTERLY REVIEWS FOR EXPERT/CONSULTANT) FOR ERIK MARTIN**

The FTC is amending the statement of duties (Box 5) on Erik Martin’s form FTC-189 (Justification and Approval of Employment of Expert/Consultant) approved on November 4, 2021 to reflect the actual duties performed and the limitations imposed on Mr. Martin’s work during his tenure at the FTC. The corresponding summary of duties in Box 3 on form FTC-244 (Quarterly Reviews of Expert/Consultant) for this appointment, was copied directly from the FTC-189 form and is also hereby amended. Although Mr. Martin’s original statement of duties in the FTC-189 and FTC-244 forms encompassed a broader and more flexible range of responsibility, his actual duties are summarized below.

The position is located in the Office of Policy Planning, FTC, Washington, DC. In accordance with 5 C.F.R. part 304: Expert and Consultant Appointments, the assignee will serve as an expert on evolving technology issues, and act as an expert resource for staff and senior leadership. In particular, he will work together with staff to provide advice on the agency’s tech matters that relate to antitrust and consumer protection conduct, policy and enforcement. He will bring his expertise in immersive technology, information ecosystems, and building digital service tech teams to bear on several key project areas in which he would advise via written research and memos and review and support the advancement of work product which would include: (1) supporting Bureau staff on cases and enforcement matters, (2) collaborating closely with staff and leadership to provide insights on emerging tech issues and market development trends that could lead to enforcement, (3) providing technical subject matter expertise and technical assistance as a resource to agency staff on markets and technologies and (4) providing expertise on digital service capacity building strategies. Given the assignee’s expertise, he will bring an outside point of view to the agency, to avoid too limited judgment on administrative or technical issues. Although the assignee will support policy development with expert technical perspective, he will not be responsible for the determination of agency policy (i.e., determining the content and application of regulations), do work of an ongoing nature more appropriately performed by the agency’s regular employees, or perform managerial or supervisory work.

**SIGNED:**

**ELIZABETH  
WILKINS**

Digitally signed by  
ELIZABETH WILKINS  
Date: 2022.08.26 12:55:05  
-04'00'

Elizabeth Wilkins  
Director, Office of Policy and Planning

MONIQUE  
FORTENBERRY

Digitally signed by  
MONIQUE FORTENBERRY  
Date: 2022.08.26 15:27:56  
-04'00'

Monique Fortenberry  
Acting Chief Human Capital Officer

DAVID  
ROBBINS

Digitally signed by DAVID  
ROBBINS  
Date: 2022.08.26 14:16:08  
-04'00'

David Robbins  
Executive Director

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**ETHICS APPROVAL:**

Expert/Consultant has certified that no conflict exists via the Confidential Conflict of Interest Statement (OGE Form 450).

LORIELLE  
PANKEY

Digitally signed by  
LORIELLE PANKEY  
Date: 2022.08.26  
15:41:32 -04'00'

Lorielle L. Pankey  
Designated Agency Ethics Official

# JUSTIFICATION AND APPROVAL OF EMPLOYMENT OF EXPERT/CONSULTANT

## IDENTIFICATION (to be completed by originating office)

1. NAME OF EXPERT/CONSULTANT (Last, First, Middle) Varoon Mathur	2. POSITION TITLE Expert/Technology Advisor	3. CURRENT SALARY	4. SALARY REQUESTED 0.0
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5. SUMMARY OF DUTIES (Describe in enough detail to show the work to be performed requires the services of an expert/consultant. Use other side, if necessary.)

The position is located in the Office of Public Policy (OPP). In accordance with 5 C.F.R. § 304: Expert and Consultant Appointments, the assignee will act as a key source of technical expertise to facilitate visionary strategic initiatives related to the Commission's approach on governing emerging technologies. As an expert in technology research, software engineering, and artificial intelligence, the assignee will advise the Chief Technologist, senior Commission leaders, and case teams, with particular focus on matters encompassing technology, engineering, artificial intelligence, and intersection and use of AI systems in the healthcare sector and labor issues. The assignee will help produce issue memos to the Chair's office and other senior leaders on issues such as privacy, competition, and ethics issues in retail platform technology, workplace management technology, healthcare management technology, and real-time 3D technology; help plan informational sessions for staff by identifying topics of interest, selecting relevant speakers, and moderating discussions; and support case teams by advising on technology -focused issues related to AI, such as by summarizing technical research that is relevant to the case or issue, and asking questions directly to engineers at target companies.

6. SUMMARY OF QUALIFICATIONS (Describe in enough detail to show that the expert/consultant has the kind and level of experience required for the work to be performed. Use other side, if necessary.)

Varoon serves as a Research Fellow at the AI Now Institute, where he focuses on the social impact of artificial intelligence in areas such as criminal justice, worker rights, and health care. He has been working on projects that explore how machine learning tools are designed for health systems, and how power dynamics shape their development. Previously, Varoon served as a Microsoft Data Science for Social Good Fellow at the University of British Columbia, where he also earned his Computer Science degree with a focus in statistics. He also currently serves as a Coordinating Committee fellow with Universities Allied for Essential Medicines, a student-driven NGO focused on access to medicines for vulnerable and marginalized populations, where he has also led the development of a COVID-19 Public R&D tracking tool at publicmeds4covid.org. He has advised on global health policy and research at the World Health Organization, and is a former TEDx Speaker. Varoon brings important perspectives in areas that align with the Chair's priorities, including examining technology and antitrust through the lens of labor and workers' rights. This broad, interdisciplinary expertise that Varoon has developed position him to research and amplify emerging FTC efforts to ensure that regulated.

7. COMPLETE THIS ITEM ONLY FOR CONVERSION TO NEW APPOINTMENT

Intermittent employment totaled \_\_\_\_\_ days in a pay status from \_\_\_\_\_ to \_\_\_\_\_ (mm/dd/yy) of the previous service year.

8. IS/WAS (within the last two (2) years) THE EXPERT/CONSULTANT UNDER CONTRACT WITH THE FEDERAL TRADE COMMISSION?

No  Yes. If Yes, provide contract number. \_\_\_\_\_

9. REQUESTED BY Stephanie Nguyen	10. TELEPHONE NUMBER
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11. BUREAU/OFFICE Office of Public Policy	12. DIVISION
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## APPROVALS

13. I certify that the expert/consultant will be assigned only the duties described above. Duties will not include the performance or the supervision of operating functions. I also certify that the Statement of Employment and Financial Interests has been reviewed in terms of the duties stated above, and no conflict of interests exists.

SIGNATURE OF ASSISTANT DIRECTOR (Headquarters) OR REGIONAL DIRECTOR (Regional Offices) \_\_\_\_\_ DATE \_\_\_\_\_

SIGNATURE OF BUREAU/OFFICE HEAD \_\_\_\_\_ DATE \_\_\_\_\_

STEPHANIE NGUYEN

Digitally signed by STEPHANIE NGUYEN  
Date: 2022.01.25 23:57:18 -0500'

14. Expert/Consultant has certified that no conflict exists via the Confidential Conflict of Interest Statement (alternative to OGE Form 450).

SIGNATURE OF AGENCY ETHICS OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

LORIELLE PANKEY

Digitally signed by LORIELLE PANKEY  
Date: 2022.02.15 10:55:58 -0500'

15. FOURTH QUARTER APPROVAL

OFFICE OF THE EXECUTIVE DIRECTOR REPRESENTATIVE DAVID ROBBINS	TITLE executive director	DATE 02/15/2022
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Digitally signed by DAVID ROBBINS  
Date: 2022.02.15 15:22:27 -0500'

16. I certify that: a) this expert/consultant position is necessary;  
b) the position is  Intermittent (has no regular tour of duty)  Temporary (has a regular tour of duty);  
c) the daily rate of \$ \_\_\_\_\_ is commensurate with the work to be performed and the appointee's qualifications;  
d) all requirements of law have been met.

SIGNATURE OF CHIEF HUMAN CAPITAL OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

SHARRELLE HIGGINS

Digitally signed by SHARRELLE HIGGINS  
Date: 2022.02.15 16:04:30 -0500'

**AMENDMENT TO FTC-189 (JUSTIFICATION AND APPROVAL OF EMPLOYMENT OF EXPERT/CONSULTANT) AND FTC-244 (QUARTERLY REVIEWS FOR EXPERT/CONSULTANT) FOR VAROON MATHUR**

The FTC is amending the statement of duties (Box 5) on Varoon Mathur’s form FTC-189 (Justification and Approval of Employment of Expert/Consultant) approved on February 15, 2022 to reflect the actual duties performed and the limitations imposed on Mr. Mathur’s work during his tenure at the FTC. The corresponding summary of duties in Box 3 on form FTC-244 (Quarterly Reviews of Expert/Consultant) for this appointment, was copied directly from the FTC-189 form and is also hereby amended. Although Mr. Mathur’s original statement of duties in the FTC-189 and FTC-244 forms encompassed a broader and more flexible range of responsibility, his actual duties are summarized below.

The position is located in the Office of Policy Planning (OPP). In accordance with 5 C.F.R. part 304: Expert and Consultant Appointments, the assignee will act as a key source of technical expertise on governing emerging technologies. As an expert in technology research, software engineering, and artificial intelligence, the assignee will advise the Chief Technologist, senior Commission leaders, and case teams, with particular focus on matters encompassing technology, engineering, artificial intelligence, and intersection and use of AI systems in the healthcare sector and labor issues. The assignee will help produce issue memos to the Chair’s office and other senior leaders on issues such as privacy, competition, and ethics issues in retail platform technology, workplace management technology, healthcare management technology, and real-time 3D technology; help plan informational sessions for staff by identifying topics of interest, selecting relevant speakers, and moderating discussions; and support case teams by advising on technology-focused issues related to AI, such as by summarizing technical research that is relevant to the case or issue, and asking questions directly to engineers at target companies. Although the assignee will support policy development with expert technical perspective, he will not be responsible for the determination of agency policy (i.e., determining the content and application of regulations), do work of an ongoing nature more appropriately performed by the agency’s regular employees, or perform managerial or supervisory work.

**SIGNED:**

ELIZABETH  
WILKINS

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Digitally signed by  
ELIZABETH WILKINS  
Date: 2022.08.26 12:57:45  
-04'00'

Elizabeth Wilkins  
Director, Office of Policy and Planning

MONIQUE  
FORTENBERRY

Digitally signed by  
MONIQUE FORTENBERRY  
Date: 2022.08.26 15:26:38  
-04'00'

Monique Fortenberry  
Acting Chief Human Capital Officer

DAVID  
ROBBINS

Digitally signed by DAVID  
ROBBINS  
Date: 2022.08.26 14:19:31  
-04'00'

David Robbins  
Executive Director

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**ETHICS APPROVAL:**

Expert/Consultant has certified that no conflict exists via the Confidential Conflict of Interest Statement (OGE Form 450).

LORIELLE  
PANKEY

Digitally signed  
by LORIELLE  
PANKEY  
Date: 2022.08.26  
15:43:38 -04'00'

Lorielle L. Pankey  
Designated Agency Ethics Official

**ANDREA M. MATWYSHYN**

(b)(6)



Research interests: Technology law, health, and bodily safety; information security/cybersecurity and law; disinformation, infodemiology and AI/ML; consumer protection and intellectual property

I. EMPLOYMENT ..... 1

II. PUBLICATIONS ..... 7

III. EDUCATION ..... 12

IV. COURSES TAUGHT ..... 12

V. SELECTED COMMITTEES AND SERVICE ..... 14

VI. SELECTED KEYNOTES AND PRESENTATIONS ..... 15

VII. SELECTED CONGRESSIONAL TESTIMONY AND OTHER GOVERNMENT SERVICE 27

VIII. BOARD MEMBERSHIPS AND AFFILIATIONS ..... 28

IX. GRANTS (where personal compensation resulted) ..... 29

X. SELECTED PRESS MENTIONS ..... 29

XI. PROFESSIONAL ACCREDITATION ..... 35

**I. EMPLOYMENT**

Current appointments: (primary appointments noted with \*\*)

July 2019 – present\*\* Professor, The Pennsylvania State University

- Joint appointment as tenured full professor in law and engineering

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

- Launched and externally funded Penn State law student technology policy research program and new technology policy lab, PILOT: \$500,000+ in corporate and private gifts

- Developed new interdisciplinary technology policy lab course
- 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
- Supervised medical student research on health tech policy as part of joint MD/Masters in Law program

*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/>*

- Conceptualized, funded, branded, and launched lab, including website
- Set research direction for the lab
- Launched technology policy projects in nine areas: technology equity, Internet of Things/Internet of Bodies, disinformation, machine learning/AI, technology competition, security/privacy, 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 Law Manglona Lab for Gender and Economic Equity (Manglona Lab), <https://www.manglonalab.org/>*

- Conceptualized, funded, branded, and launched lab, including website
- Set research 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
- Supervise clinical professor/executive director in course offerings, research, and strategy-setting for future initiatives

*Affiliate Faculty, Bioethics Program, College of the Liberal Arts, Penn*



State <https://bioethics.psu.edu/people/andrea-m-matwyszyn-2/>

*Affiliate Faculty*, Institute for Computational Data Science, Penn State, <https://www.icds.psu.edu/about/meet-the-icds-team/directory/>

May 2022 –  
April 2023

*Senior Special Advisor on Law, Technology, and the Digital Economy*,  
U.S. Federal Trade Commission

October 2021 –  
present

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

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 2021

*Visiting Researcher*, Center for Internet and 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 2019 –  
August 2020

*Digital Studies Fellow*, Kluge Center, Library of Congress

- Resident researcher
- Project: constitutional foundations of information 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: Internet Law, Information Security/ “Cybersecurity” and Privacy Law, Introduction to Intellectual Property, Contracts
- 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 law
- 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 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/Computer Science, Princeton University

- Honorary visitorship awarded to senior academics viewed as leaders at the forefront of technology policy
- Taught Internet Law and Policy
- Led a team of computer scientists in successfully petitioning the Copyright Office for an exemption to Section 1201 of the Digital Millennium Copyright Act to allow security testing of all

- consumer devices, including election systems and medical devices
- Organized conference on law and physical harms from 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- August 2014      *Senior Policy Advisor and Scholar in Residence*, U.S. Federal Trade Commission (FTC), <http://1.usa.gov/18KxYha>
- Advised FTC Commissioners and career staff in OPP and BCP 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-led a team of attorneys who ran an innovation 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, Marketing Law, 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 lecturer 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 corporate clients in mergers and acquisitions, securities regulation matters, technology transactions, and licensing

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

Andrea M. MATWYSHYN, *HARBORING DATA: INFORMATION SECURITY, LAW AND THE CORPORATION*, Stanford University Press (2009) (editor and contributor).

Andrea M. Matwyshyn & Stephanie K. Pell, (CYBER)SECURITY LAW AND POLICY: AN INTRODUCTION TO PROBLEMS IN COMPUTER AND INFORMATION SECURITY (forthcoming 2022).

- Funded by a grant from the Hewlett Foundation
- Dynamic edition with interactive visual and auditory content
- Author of chapters on health security, finance security, technical history, and others

### B. Major Law Journal Articles

Andrea M. Matwyshyn and Miranda Mowbray, *Fake*, 42 *CARDOZO LAW REVIEW* 101 (2021)

Andrea M. Matwyshyn, *The Internet of Bodies*, 61 *WILLIAM & MARY LAW REVIEW* 77 (2019).

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

Andrea M. Matwyshyn and Stephanie K. Pell, *Broken*, 32 *HARVARD JOURNAL OF LAW & TECHNOLOGY* 479 (2019).

Andrea M. Matwyshyn, *CYBER!*, 2017 *BYU LAW REVIEW* 1109 (2018).

Andrea M. Matwyshyn, *Privacy, the Hacker Way*, 87 *SOUTHERN CALIFORNIA LAW REVIEW* 1 (2014).

Andrea M. Matwyshyn, *Hacking Speech: Informational Speech and the First Amendment*, 107 *NORTHWESTERN LAW REVIEW* 795 (2013).

- 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)

Andrea M. Matwyshyn, *The Law of the Zebra*, 28 BERKELEY TECHNOLOGY LAW JOURNAL 1 (2013).

Andrea M. Matwyshyn, *Generation C: Childhood, Code, and Creativity*, 87 NOTRE DAME LAW REVIEW 1979 (2012).

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).

Andrea M. Matwyshyn, *Imagining the Intangible*, 34 DELAWARE JOURNAL OF CORPORATE LAW 3 (2009).

Andrea M. Matwyshyn, *Technoconsen(t)sus*, 85 WASHINGTON UNIVERSITY LAW REVIEW 529 (2007).

Andrea M. Matwyshyn, *Material Vulnerabilities: Data Privacy, Corporate Information Security and Securities Regulation*, 3 BERKELEY BUSINESS LAW JOURNAL 129 (2005).

Andrea M. Matwyshyn, *Of Nodes and Power Laws: A Network Theory Approach to Internet Jurisdiction through Data Privacy*, 98 NORTHWESTERN LAW REVIEW 493 (2004).

### **C. Computer Science Articles and Conference Proceedings**

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).

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).

Andrea M. Matwyshyn, Salvatore Stolfo, Angelos Keromytis, Ang Cui, *Ethics in Security Vulnerability Research*, 8 IEEE SECURITY & PRIVACY 2 (2010).

### **D. Other Articles**

Andrea M. Matwyshyn, *Unavailable*, 81 UNIVERSITY OF PITTSBURGH LAW REVIEW 349 (2019).

Andrea M. Matwyshyn, *Cyber Harder*, 24 BOSTON UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY LAW 450 (2018).

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>

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>.

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>

Andrea M. Matwyshyn, *Resilience: Building Better Users and Fair Trade Practices in Information*, 63 FEDERAL COMMUNICATIONS LAW JOURNAL 391 (2011).

Andrea M. Matwyshyn, *CSR and the Corporate Cyborg: Ethical Corporate Information Security Practices*, 88 JOURNAL OF BUSINESS ETHICS 579 (2010).

Andrea M. Matwyshyn, *Corporate Cyborgs and Technology Risks*, 11 MINNESOTA JOURNAL OF LAW, SCIENCE & TECHNOLOGY 573 (2010).

Andrea M. Matwyshyn, *Data Devolution: Corporate Information Security, Consumers and the Future of Regulation*, Introduction to symposium, CHICAGO KENT LAW REVIEW (2009).

Andrea M. Matwyshyn, *Technology, Commerce, Development, Identity*, 8 MINNESOTA JOURNAL OF LAW, SCIENCE & TECHNOLOGY 515 (2007).

Andrea M. Matwyshyn, *Penetrating the Zombie Collective: Spam as an International Security Issue*, 4 SCRIPTed (2006).

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).

#### ***E. Journal Discussions, Reviews, Commentaries, and Posters***

Andrea M. Matwyshyn, *Discussion of "Online Display Advertising: Targeting and Obtrusiveness" by Avi Goldfarb and Catherine Tucker*, 30 MARKETING SCIENCE 409 (2011).

Andrea M. Matwyshyn, *Behavioural Targeting of Online Advertisements and the Future of Data Protection*, 19 COMPUTERS AND LAW 6 (2009).

Andrea M. Matwyshyn, Book review: Ian Kerr, Valerie Steeves, Carole Lucock (Eds.), LESSONS FROM THE IDENTITY TRAIL (2009), 3 IDIS 363 (2009).

Andrea M. Matwyshyn, *Organizational Code: A Complexity Theory Perspective on Technology and Intellectual Property Regulation*, FOREWORD, 11 J. TECH. L. & POL'Y 1 (2006).

Andrea M. Matwyshyn, *Content Analysis of Comer SDP Plans*, poster in Slaughter-Defoe, D. (Organizer and Convener), et. al. Poster Symposium: Examining outcomes of the Chicago Comer SDP: School climate and child well-being. Poster Symposium presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN (2001).

#### ***F. Book Chapters***

Andrea M. Matwyshyn, *Fair(er) Legal Futures*, SANDRA STAUB (ED.), DESIGN CONSEQUENCES (2022). (forthcoming)

Andrea M. Matwyshyn, *Of Pandemics and Progress*, in MARGARET HU (ED.), PANDEMIC SURVEILLANCE (2022). (forthcoming)

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).

Andrea M. Matwyshyn, *Commentary: Social Media, Privacy and Children's Development*, in DIANA T. SLAUGHTER-DEFOE, RACE AND CHILD DEVELOPMENT, Karger (2012).

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).

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. Written Symposia Organization and Editing**

*Data Devolution: Corporate Information Security, Consumers and the Future of Regulation*, CHICAGO KENT LAW REVIEW (2009).

### **H. Work in Progress**

Andrea M. Matwyshyn, *Superspreaders* (follow-on law review article to *Fake*)

Andrea M. Matwyshyn, *Suspect* (follow-on law review article to *Internet of Bodies*)

Andrea M. Matwyshyn, *The Internet of Latour's Things* (follow-on law review article to *Internet of Bodies*)

Andrea M. Matwyshyn, *Artifice and Intelligence* (law review article)

Andrea M. Matwyshyn, *iTrust Antitrust* (law review article)

Andrea M. Matwyshyn, *Our Founding Hackers* (law review article)

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*

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 strategy

B.A. with Honors, 1996, Northwestern University

Major: Political Science, Adjunct major: International Studies

#### **IV. COURSES TAUGHT**

##### ***A. Law Courses***

*PILOT lab course*, Penn State Law/Engineering, Spring 2022, Spring 2021, Fall 2020

*Information Security Law and Policy*, Penn State School of Law, Spring 2022, Spring 2021, Fall 2020

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

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

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

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

*Marketing and Advertising Law*, 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 2022, Winter 2021, 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

*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

*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

*Marketing and Advertising Law*, 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**

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

Member, University AI Director Hiring Committee, Penn State, (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***

“Blockchain(s),” 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***

“Fake,” Seton Hall School of Law, November 2021

“Fairer Legal Futures,” Design Futures, Penn State Architecture, September 2021

“Trust Antitrust,” Technotomy: Infodemic Edition, Sussex Law/Penn State Law, May 2021

Panelist, “Framing and Defining Digital Privacy + Security,” Technically Right, Duke Law School/ Penn State, November 2020

Panelist, “It’s All in Your Head,” panel on internet-enabled brain devices, ABA Annual Conference, 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 Best Bodies,” Gikii, University of Maastricht, July 2020

“Internet of Suspect Bodies,” PLSC, June 2020

“Fake,” Disinfotopia, Sussex Law/ Penn State Law, April 2020

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

“Fake,” Gikii, Queen Mary’s, August 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), Shmooscon, 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**

Federal Trade Commission, advisory expert (2013-2014; 2022-2023)

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

U.S. Food and Drug Administration, Consulting Expert, CDRH, 2019-2021

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

[Redacted agency], [Redacted enforcement matter], consulting expert in enforcement action (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](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-2017https://www.regulations.gov/document?D=COLC-2017-0007-00700007-0070>

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](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-andhttps://homeland.house.gov/hearing/subcommittee-hearing-promoting-and-incentivizing-cybersecurity-best-practices/incentivizingcybersecurity-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/reportinghttp://energycommerce.house.gov/hearing/reporting-data-breaches-federal-legislation-needed-protect-consumersdatabreachesfederal-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/>

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 competitive internal grants

- Vice Provost Global Engagement Fund (with co-PI), Fall 2012 - \$25,000
- 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)***

Lawfare, June 28, 2022, <https://www.lawfareblog.com/lawfare-podcast-andrea-matwyshyn-and-dojs-new-cfaa-charging-policy>

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 I: <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-matwyszyn-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 111*, “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](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>