

**Daniel J. Weitzner**

3Com Founders Principal Research Scientist, MIT Computer Science and Artificial Intelligence Lab  
Founding Director, MIT Internet Policy Research Initiative  
<weitzner@mit.edu>

**Education**

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Swarthmore College	BA (Philosophy)	1985
SUNY Buffalo Law School	JD (Cum Laude)	1992

**Appointments**

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3Com Founders Principal Research Scientist	(2020 - present)
Founding Director, MIT Internet Policy Research Initiative	(2015 - present)
United States Deputy Chief Technology Officer for Internet Policy, The White House	(2011-2012)
Associate Administrator for Policy, National Telecommunications and Information Administration, United States Department of Commerce	(2009 – 2011)
Member, Obama-Biden Presidential Transition Team	(December 2008 – January 2009)
Founder and Director, MIT CSAIL Decentralized Information Group	(2005 – 2013)
Principal Research Scientist, MIT Computer Science and Artificial Intelligence Lab	(2003 – present)
Technology and Society Policy Director, World Wide Web Consortium	(1998 – 2006)
Co-founder & Deputy Director, Center for Democracy and Technology	(1994 - 1998)
Deputy Policy Director, Electronic Frontier Foundation	(1991 – 1994)
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Non-resident Senior Fellow, German Marshall Fund of the United States	(2018 - present)
Visiting Free Speech Professor, Department of Information Sciences and Media Studies University of Bergen, Norway	(2008)
Visiting Professor, University of Southampton, Electronics & Computer Science	(2006 - 2009)
Visiting Professor, University of Maryland (College Park), Department of Computer Science	(2004)

**Institutional Leadership**

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Founder and Member, Board of Directors, Center for Democracy and Technology	(1998 – 2009, 2013-16)
Founding Member, Board of Directors, Software Freedom Law Center	(2005 – 2009, 2017-)
Founding Member, Board of Directors, Internet Education Foundation	(1998 – 2009)
Founding Member, Board of Directors, Web Science Trust	(2006 – 2009, 2013-present)
Founding Member, Internet Corporation for Assigned Names and Numbers (ICANN), Protocol Supporting Organization	(1999 – 2003)

**Professional Statement**

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As a scholar, policymaker and public interest advocate, my career has been about having impact on the complex interaction of Internet technology and law that shapes individual empowerment, human rights and innovation. In the early part of my career, I made primary contributions to US laws and legal precedent defining the policy environment of the Internet, shaping freedom of expression, privacy and civil liberties in the United States through major federal legislation and Supreme Court cases. Many of these approaches have been subsequently adopted by other democracies and in international agreements. Now, returning from being the senior Internet public policy-maker in the White House, I have launched the new MIT Internet Policy Research Initiative to bring the best MIT research to bear on pressing problems such as

cybersecurity, critical infrastructure protection, privacy, and better understanding of the global Internet infrastructure.

Drawing on direct experience from policy debates around the world, I have led a series of policy-driven computer science research projects on pressing privacy and security challenges. Recognizing the privacy risk from big data analytics, I led a team of co-PIs in formal systems, theory of computation, and policy language design, to develop novel privacy approaches, emphasizing accountable use of personal data. This new approach to privacy is a better for in our data-immersive environment than traditional reliance on keeping information secret. Exploring new accountable systems architectures, we have developed techniques to enable systems to explain their behavior to users. We are now applying similar approaches to the challenge of explaining the behavior of AIs used by autonomous vehicles and other ML systems. I expect this research to provide guidance to policymakers considering regulatory approaches to machine learning systems in a variety of contexts. Privacy poses vexing challenges to policymakers because so little is understood about the impact of different privacy rules on user wellbeing. To help guide policymakers and companies in setting privacy rules, I am working with co-PIs with HCI expertise to develop new methods of assessing the impact of privacy environments on user behavior. Finally, I lead a series of investigations on the security impact of various wiretapping systems. After an influential paper on the risks of mandated encryption back doors, we are now engaging in a multidisciplinary study effort with law enforcement, computer security experts and cryptographers to identify paths forward that address infrastructure security, privacy and the legitimate needs of law enforcement. In all of these projects that I have led, the combination of my policy expertise together with outstanding computer scientists from a variety of disciplines has been essential. We have identified novel technical approaches and made real contributions to the policy debate that are trusted because of their scientific foundations.

Building on lessons from my research, the new Internet Policy Research Initiative will expand MIT's capacity to provide policymakers intellectually rigorous policy analysis, and to train students to work in this new field. First and foremost, we aim to engage existing disciplines in Internet policy challenges. Therefore, we are working to bring current challenges in Internet policy to the attention of colleagues around MIT in a way that they can apply their own disciplines' methodology to problems of interest to policy makers. Alongside my research, I have taught 6.805 with Hal Abelson for 17 years, gradually evolving the course to teach students how to address new policy challenges by learning about how the socio-technical framework of the Internet has evolved over the last two decades. We are building on the pedagogical lessons learned from teaching this course by adding new offerings, including a joint course taught with Georgetown Law School. Now it its 3rd year, we can already see that this course, building on 6.805 as a prerequisite, is both helping to illuminate new career paths for students and to open new research directions from Masters and PhD students. My research and teaching at MIT has demonstrated the value of close integration of public policy and computer science perspectives. We have produced more innovative engineering results and stimulated creative thinking by policymakers. I am excited about expanding this approach in my own and work with a wider range of colleagues at MIT and beyond.

### Professional Service

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Program Co-Chair, ACM Inaugural Symposium on Computer Science and Law	(2018 - present)
Co-Chair, EU-US Privacy Bridges Project, University of Amsterdam, MIT, Dutch Data Protection Commission, International Data Protection Commissioners Convention	(2013 – 2016)
Founding Board Member, Web Science Trust	(2006-present)
Member, National Academy of Sciences Study Committee on Technical and Privacy Dimensions of Information for Terrorism Prevention and Other National Goals	(2006 – 2008)
Member, National Academy of Sciences Study Committee on Authentication Technologies and their Privacy Implications	(2000 - 2003)

Member, Pew Charitable Trusts Democracy Online Task Force	(1999 – 2002)
Editorial Board, Foundations and Trends in Web Science	
Editorial Board, Journal of Privacy Technology	
Chair, W3C Patent Policy Working Group, World Wide Web Consortium	(1999 – 2004)
Chair, Web & Society Track, Ninth International World Wide Conference	(1999 –2000)
American Bar Association Task Force on Electronic Surveillance Standards.	(1997 –1998)
Program Committee, 6 <sup>th</sup> Computers Freedom and Privacy Conference	(1996)

## Research Papers

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- Castro, L. de, Lo, A. W., Reynolds, T., Susan, F., Vaikuntanathan, V., Weitzner, D. J., & Zhang, N. (2020). SCRAM: A Platform for Securely Measuring Cyber Risk . Harvard Data Science Review. <https://doi.org/10.1162/99608f92.b4bb506a> (forthcoming)
- Specter, Michael A., James Koppel, and Daniel Weitzner. "The Ballot is Busted Before the Blockchain: A Security Analysis of Voatz, the First Internet Voting Application Used in US Federal Elections." 29th USENIX Security Symposium 2020.
- Ivers, Louise C., Weitzner, Daniel J., "Can digital contact tracing make up for lost time?" The Lancet Public Health, ISSN: 2468-2667, Vol: 5, Issue: 8, Page: e417-e418
- Cohen IG, Gostin LO, Weitzner DJ. Digital Smartphone Tracking for COVID-19: Public Health and Civil Liberties in Tension. JAMA. 2020;323(23):2371–2372. doi:10.1001/jama.2020.8570
- Stonebraker, M., Brodie, M., Kraska, T., Servan-Schreiber, S., Weitzner, D. J., "SchengenDB: A Data Protection Database." VLBD Workshop Poly'19 in Gadepally, V., Mattson, T., Stonebraker, M., Wang, F., Luo, G., Laing, Y., & Dubovitskaya, A. (Eds.). (2019). Heterogeneous Data Management, Polystores, and Analytics for Healthcare: VLDB 2019 Workshops, Poly and DMAH, Los Angeles, CA, USA, August 30, 2019, Revised Selected Papers (Vol. 11721). Springer Nature.
- Frankle, J., Park, S., Shaar, D., Goldwasser, S., Weitzner, D., Practical Accountability of Secret Processes, USENIX 2018.
- Weitzner, D. (2018). Promoting Economic Prosperity in Cyberspace. Ethics & International Affairs, 32(4), 425-439. doi:10.1017/S0892679418000606
- Weitzner, D. & Feigenbaum, J., On the incommensurability of laws and technical mechanisms: Lessons for encryption and surveillance. International Workshop on Security Protocols. Springer, Berlin, Heidelberg, forthcoming.
- Binns, R., Zhao, J., Van Kleek, M., Shadbolt, N., Liccardi, I., & Weitzner, D. (2017, May). My Bank Already Gets this Data: Exposure Minimisation and Company Relationships in Privacy Decision-Making. In Proceedings of the 2017 ACM CHI Conference Extended Abstracts on Human Factors in Computing Systems (pp. 2403-2409).
- Max Van Kleek, Iliaria Liccardi, Reuben Binns, Jun Zhao, Daniel J. Weitzner, Nigel Shadbolt, Better the devil you know: Personalized Data Controller Indicators that Expose Data Sharing in Smartphone Apps, CHI 2017 - ACM Conference on Human Factors in Computing Systems.
- Abelson, H., Anderson, R., Bellovin, S. M., Benaloh, J., Blaze, M., Diffie, W., Gilmore, J., Green, M., Landau, S., Neumann, P., Rivest, R. L., Schiller, J. I., Schneier, B., Specter, M., Weitzner, D. J. (2015). Keys under doormats: mandating insecurity by requiring government access to all data and communications. Journal of Cybersecurity (2015): Vol 1, pp. 1-11.

- Shih, F., Liccardi, I., Weitzner, D.J., "Privacy tipping points in smartphones privacy preferences." Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems. ACM, 2015.
- Liccardi, I., Bulger, M., Abelson, H., Weitzner, D. J., & Mackay, W. (2014, July). Can apps play by the COPPA Rules?. In Privacy, Security and Trust (PST), 2014 Twelfth Annual International Conference on (pp. 1-9). IEEE.
- I Liccardi, J Pato, DJ Weitzner, Improving user choice through better mobile apps transparency and permissions analysis- Journal of Privacy and Confidentiality, 2014
- Ilaria Liccardi, Joseph Pato, Hal Abelson H., Daniel J. Weitzner, David de Roure, No technical understanding required: Helping users make informed choices about access to their personal data. MOBIQUITOUS 2014 - ACM International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services
- Hendler, Shadbolt, Hall, Berners-Lee, Weitzner, Web Science: An interdisciplinary approach to understanding the World Wide Web, *Communications of the ACM* (cover story), July 2008.
- Weitzner, Abelson, Berners-Lee, Feigenbaum, Hendler, Sussman, Information Accountability, *Communications of the ACM*, June 2008.
- Lalana Kagal, Chris Hanson, and Daniel Weitzner, Integrated Policy Explanations via Dependency Tracking, *IEEE Policy* 2008
- Weitzner, Hanson, Kagal, Sussman, Berners-Lee, Data-Purpose Algebra: Modeling Data Usage Policies, *IEEE Policies for Distributed Systems and Networks*, June 2007
- Weitzner, D. J., Beyond Secrecy: New Privacy Protection Strategies for Open Information Spaces. *IEEE Internet Computing* 11, 5 (Sep. 2007), 96-95.
- Berners-Lee, Hall, Hendler, Shadbolt, Weitzner, "Creating a Science of the Web." *Science* 11 August 2006: Vol. 313. no. 5788, pp. 769 – 771.
- Weitzner, Daniel, et al. "Transparent accountable inferencing for privacy risk management." *AAAI Spring Symposium on The Semantic Web meets eGovernment*. AAAI Press, Stanford University, 2006.
- Lalana Kagal, Tim Berners-Lee, Dan Connolly, and Daniel Weitzner, Using Semantic Web Technologies for Policy Management on the Web, 21st National Conference on Artificial Intelligence (AAAI), July 16 - 20, 2006.
- Lalana Kagal, Tim Berners-Lee, Dan Connolly, and Daniel Weitzner, Self-describing Delegation Networks for the Web, *IEEE Workshop on Policy for Distributed Systems and Networks (IEEE Policy)*, 5 - 7 June 2006
- Kolovski, Vladimir, Weitzner, Daniel et al. "Towards a policy-aware web." *W9: The Semantic Web and Policy Workshop (SWPW)*. 2005.
- Ackerman, M., Darrell, T., & Weitzner, D. J. (2001). Privacy in context. *Human-Computer Interaction*, 16, pp. 167-176.
- Berman, J., & Weitzner, Daniel J. "Technology and Democracy." *Social Research* 64 Fall 1997: 1313-1319
- Berman, Jerry and Daniel J. Weitzner. "Directing Policy-Making Around the Net's Metaphor." *Communications of the ACM* v.40 (February 1997): pp.83-84
- Jerry Berman & Daniel Weitzner, Abundance and User Control: Renewing the Democratic Heart of the First Amendment in the Age of Interactive Media, 104 *Yale L.J.* 1619 (1995)
- Mitchell Kapor & Daniel J. Weitzner, Developing the National Communications and Information Infrastructure, *Internet Research Electronic Networking Applications and Policy*. Vol 03, No. 02; Summer

1993

**Book Contributions**

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- Weitzner, "Privacy for a Global Information Society: High Standards, Global Cooperation, and Flexibility for the Future." in Hijmans, H., & Kranenborg, H. (2014). Data protection anno 2014: How to restore trust. *Contributions in honour of Peter Hustinx, European data protection supervisor (2004–2014)*, Intersentia, 237-252.
- National Academy of Sciences, Protecting Individual Privacy in the Struggle Against Terrorists (2008)
- Weitzner, Hendler, Berners-Lee, Connolly, Creating the Policy-Aware Web: Discretionary, Rules-based Access for the World Wide Web In Elena Ferrari and Bhavani Thuraisingham, editors, Web and Information Security. IOS Press (2005).
- National Academy of Sciences, Who Goes There?: Authentication and Privacy (2002)
- Browning, Graeme (Weitzner, ed.) *Electronic Democracy: Using the Internet to Influence American Politics*. Pemberton Press. Wilton, CT. (1996).
- Kapor, M., & Weitzner, D., "Social and Industrial Policy for Public Networks: Visions for the Future". Harasim and Walls, eds. *Global Networks: Computers and International Communication*. MIT Press (1993)

**Popular Press & other Publications**

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- Cameron Kerry and Daniel Weitzner, Rulemaking and its discontents: Moving from principle to practice in federal privacy legislation, Brookings Techtank, June 5, 2019.
- Daniel Weitzner, Perspectives on Encryption and Surveillance, Lawfare Special Series, November 29, 2018.
- Daniel Weitzner, How Cambridge Analytica, Facebook and Other Privacy Abuses Could Have Been Prevented, Lawfare, April 4, 2018.
- Daniel Weitzner & Tim Berners-Lee, Ted Cruz is wrong about how free speech is censored on the Internet, Washington Post, September 20, 2016
- Cranor, L., Rabin, T., Shmatikov, V., Vadhan, S., & Weitzner, D. (2016). CRA/CCC White Paper: Towards a Privacy Research Roadmap for the Computing Community. arXiv preprint arXiv:1604.03160.
- Daniel Weitzner, Encryption solution in wake of Paris should come from Washington not Silicon Valley, Washington Post, November 24, 2015
- Abramatic, J-F., B. Bellamy, M. E. Callahan, F. Cate, P. van Eecke, N. A. N. M. van Eijk, E. Guild, Weitzner, D. J. "Privacy Bridges: EU and US Privacy Experts In Search of Transatlantic Privacy Solutions." (2015)
- Karen Kornbluh and Daniel Weitzner, Foreign Policy of the Internet, Washington Post, July 14, 2011
- J. Dempsey & D. Weitzner, "Regardless of Frontiers: Protecting the Human Right to Freedom of Expression on the Global Internet." Global Internet Liberty Campaign (1998)
- Weitzner, Daniel J., "Building Open Platforms: Public Policy for the Information Age," Telecommunications 28 (1) 79-82 (Jan 1994).
- Kapor, Mitch; Berman, Jerry and Daniel Weitzner. "We Need a National Public Network," *Whole Earth Review*, Spring, 1992.

*Major publications to which I made a substantial contribution for which author credit was not possible:*

- B. Obama, Consumer Privacy Bill of Rights: Consumer Data Privacy In A Networked World: A framework for protecting privacy and promoting innovation in the global digital economy (February 2012).
- Abelson H., Anderson, R., Bellovin, S. *et al.* The Risks of Key Recovery, Key Escrow, and Trusted Third Party Encryption

Testimony of Mitchell Kapor, President, Electronic Frontier Foundation And Chairman, Commercial Internet Exchange before the United States House of Representatives Committee on Science, Space, and Technology Subcommittee on Science Hearing on the Management and Operation of the NSFNET by the National Science Foundation, March 12, 1992

Testimony of Jerry Berman (EFF) before the Subcommittee on Telecommunications and Finance related to HR 4922

**Internal Memoranda and Progress Reports:**

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Daniel J. Weitzner (Editor), W3C Patent Policy, 5 February 2004.

Barry D. Rein, Garland T. Stephens, Henry C. Lebowitz (Joseph M. Reagle, Daniel J. Weitzner, Editors) Analysis of P3P and US Patent 5,862,325, 27 October 1999

Reagle, Joseph and Daniel J. Weitzner (Editors), Statement on the Intent and Use of PICS: Using PICS Well, W3C NOTE, 1-June-1998

**Invited Testimony Before Legislative & Regulatory Bodies (selected)**

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Testimony of Daniel J. Weitzner, Hearing on "Deciphering the Debate Over Encryption: Industry and Law Enforcement Perspectives" April 19, 2016.

United States House of Representatives, Committee on Energy and Commerce, Subcommittee on Commerce, Trade and Consumer Protection, Do Not Track Privacy Legislation, 2 December 2010.

United States Senate Judiciary Committee, Subcommittee on Human Rights and the Law, Human Rights Challenges Facing the Technology Industry, 2 March 2010.

US Federal Communications Field Hearing on Network Management, 25 February 2008.

DHS Privacy Advisory Committee, Testimony on the impact of Semantic Web technologies on privacy, civil liberties, and homeland security. 15 July 2005.

Technological Responses to Spyware at the FTC Spyware Workshop in Washington DC, USA. United States Federal Trade Commission. 19 April 2004.

The Role of P3P in Protecting Privacy Online: Legal status of machine-readable privacy statements at Technologies For Protecting Personal Information: The Consumer Experience and The Business Experience in Washington, DC, USA. United States Federal Trade Commission. 14 March 2003.

US Department of Justice and Federal Trade Commission hearing "Competition and Intellectual Property Law and Policy in the Knowledge-Based Economy" on patents and standards in Washington, DC, USA. 18 April 2002.

United States Commission on Child Online Protection, Hearing on Filtering & Rating Technologies, 4 August 2001.

United States Federal Trade Commission, The Mobile Wireless Web, Data Services and Beyond: Emerging Technologies and Consumer Issues: The Wireless World - Where are we today? Where are we going? 11-12 December 2000.

United States Senate Commerce Committee, Hearing on Online Privacy, 25 May 2000.

United States Federal Trade Commission, Public Workshop on Online Profiling, Panel on Online Profiling, 8 November 1999.

Federal Communications Commission Bandwidth Forum. "Expanding Access To the National Information Infrastructure For Individuals and Community Organizations: Open Architecture and Affordable, Digital Bandwidth," 23 January 1997.

United States Federal Trade Commission, Public Workshop on Consumer Privacy on the Global Information

Infrastructure, 4-5 June 1996.

European Commission Directorate on Information Society – DG XIII, European Commission - Legal Advisory Board, Convergence between telecommunications and audiovisual: consequences for the rules governing the information market, 30 April 1996.

National Institute of Standards and Technology (NIST), On Privacy and Security Policy Issues Raised by Commercial Key Escrow Systems, 25 September 1995.

### **Keynotes and Invited Lectures (selected)**

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Keynote, Fujitsu Laboratories Advanced Technology Symposium 2019, “Data Governance Challenges: Earning Trust with Users, Customers and Governments Around the World”

Keynote, Cyberdisrupt 2017, Center for Strategic and International Studies, March 15, 2017

Keynote, National Science Foundation Secure and Trustworthy Cyberspace (SaTC) Principal Investigators Meeting, “Closing the Internet Technology-Policy Gap.” January 7, 2015

Chair and Convenor, White House/MIT Symposium on Big Data Privacy: Advancing the State of the Art in Technology and Practice, March 4, 2014

Keynote, Transatlantic Perspectives on Digital Rights and Online Privacy, New America Foundation, July 2012

High Order Bit, Web 2.0 Conference, 22 October 2011.

Keynote, Secrecy is Dead - Long Live Privacy: Technical and legal strategies for reviving privacy in our transparent age. UCLA Center for Embedded Networked Sensing, 22 October 2008

Invited Essayist, "Personal privacy without computational obscurity: Rethinking privacy protection strategies for open information networks," Annual Computer Security Applications Conference (13 December 2007)

Keynote, "Challenges of the Policy Aware Web," Workshop on Privacy Enforcement and Accountability with Semantics. 6th International Semantic Web Conference 11 November 2007.

Invited Talk, “Beyond Secrecy: Hard Problems in Privacy Research.” National Science Foundation Cybertrust Principal Investigator Annual Meeting, 29 January 2007.

Keynote, "Broken Links on the Web: Local Laws and the Global Free Flow of Information," at the 15<sup>th</sup> Annual World Wide Web Conference, Edinburgh, Scotland, 26 May 2006.

United States Congress Internet Caucus "State of the Net Conference, "Is 'Net Neutrality' on the Internet a BIT Relative?" 8 February 2006. Washington, DC.

Keynote "Semantic Web Public Policy Challenges: Privacy, Provenance, Property and Personhood" at the "4th International Semantic Web Conference" on Wednesday, 9 November 2005, in Galway, Ireland. (9 November 2005)

Keynote, Policy Management for the Web (at WWW2005 Conference Workshop) (10 May 2005)

*The Transparency Paradox: Privacy-enhancing architectures for open information networks* at the Distinguished Lecture Series at the University of California, Berkeley, School of Information Management and Systems in Berkeley, CA, USA. (10 November 2004)

*Patents, Standards and the Dynamics of Innovation on the World Wide Web* (PDF) at the First Annual JOLT Symposium: Patent Policy in the Context of Internet Open Standards Development in Los Angeles, CA, USA. UCLA Journal of Law and Technology. (9 November 2004)

Plenary panel *Trusted Computing* at the 14th Computers, Freedom and Privacy Conference (CFP 2004) in Berkeley CA, USA.

Keynote, Human Computer Interaction Consortium, “Can Transparency Save Us?: Design Goals for More

Sociable Information Spaces" (7 February 2003)

National Conference of State Legislatures, "Privacy on the 'Net - P3P Technology" (5 December 2001)

Keynote, Crypto 2001 conference, "Privacy, Authentication & Identity: A recent history of cryptographic struggles for freedom" (22 August 2001)

George Mason University School of Law "Privacy in Cyberspace" (22 June 2001)

Federal Judges Association, "Metaphors, Memes, and Myths: Framing Issues in Cyberlaw" (7 May 2001)

National Association of Attorneys General - Internet Law Institute 2001, "User Empowerment Tools for Web Privacy (23 April 2001)

The Middle East Institute, "The Social and Political Impact of IT in the Middle East" (1 February 2001)

Open Group Conference on IPR in Standards, "Patents & Standards: A Path Forward to Preserve Openness and Innovation in the Evolving Web Infrastructure" (25 October 2000)

Keynote, Internet: Technologie für eine neue Gesellschaft, Germany Internet Society "Building the Web to Empower Users: Metadata Technology and Law on the Web" (16 November 1999)

Chair, panel discussion Anonymity: Should the LCS Anonymous Remailer Be Shut Down. (13 April 1999)

National Institute of Standards and Technology (NIST)/Harvard Information Infrastructure Project, Policy Roundtable on Next-Generation Communication Technologies: Lessons from ISDN (24 June 1998)

Chair, Panel Discussion: "How to Choke the Net", Computers Freedom and Privacy Conference 1998

*"Potential Impact of On-Line Censorship and Restrictions on the Protection and Evolution of Human Rights"*, Canada-U.S. Human Rights Information and Documentation Network (CUSHRID Net). 5 November 1996

Chair, The Struggle To Control Controversial Content On The Global Net, Computers Freedom and Privacy Conference 1996

Chair, Update and Commentary on the Court Challenge to the Communications Decency Act , Computers Freedom and Privacy Conference 1996

Policing the Internet: Jake Baker and Beyond, University of Michigan Law School, 10 March 1995

American Association for the Advancement of Science, Symposium on "Privacy and Encryption in an Electronic Environment," 14 February 1995

### **Recent Teaching**

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MIT 6.805/6.806/STS085: Ethics and Law on the Electronic Frontier: Foundations of Internet Policy, with H. Abelson (Fall 1998 – Fall 2020)

MIT 6.S978/Georgetown Law Center 1315, Privacy Legislation: Law and Technology, (Spring 2015, 2016, 2017, 2018, 2019, 2020)

MIT 6.898: Research Seminar on Accountable Systems (Fall 2007)

### **Workshops (selected)**

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Co-Chair, Web Science Research Initiative/World Wide Web Consortium, Toward More Transparent Government: Workshop on eGovernment and the Web (18 - 19 June 2007) United States National Academy of Sciences. Washington DC, USA

Co-Chair, W3C Workshop on Languages for Privacy Policy Negotiation and Semantics-Driven Enforcement (17-18 October 2006) Ispra, Italy

Co Chair, World Wide Web Consortium Workshop on Semantic Web for Life Sciences (27-28 October 2004)



Program Committee, W3C Workshop on Rules Languages for Interoperability (27-28 April 2005)

Co-Chair, W3C Workshop on the Future of P3P (12-13 November 2003)

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## Students

### PhD Thesis Advisor and Postgraduate-Scholar Sponsor:

Jonathan Frankle (Advisor, EECS PhD, expected completion 2021)

Michael Alan Specter (co-Advisor, EECS PhD, expected completion 2020)

Sunoo Park (PhD Committee, 2018)

Kristine Marie Gloria (PhD Committee, RPI, 2016)

Lalana Kagal (Post Doctoral Fellow, MIT CSAIL: 2004 – present)

Oshani Sevrenanti (PhD Dissertation Committee, 2013)

Simson Garfinkel (PhD dissertation committee)

Latanya Sweeney (PhD dissertation committee)

### Masters Students

Michael Specter, TPP S.M, EECS S.M 9/2014 - 6/2016

Amn Rahman, TPP S.M 9/2014 - 6/2016

Ryan Wagner, M.Eng 9/2003 - 6/2004

K. Krasnow Waterman, Masters of Business (MIT Sloan) 9/2005 - 6/2006

Harvey Jones, M.Eng 7/2006 – 6/2007

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## Technical Standards (selected)

*Web standards which were produced under my management and direction at the World Wide Web Consortium:*

The Platform for Privacy Preferences 1.0 (P3P1.0) April 2002

XML-Signature Syntax and Processing February 2002

XML Encryption Syntax and Processing December 2002

RDF/XML Syntax Specification (Revised) February 2004

OWL Web Ontology Language Semantics and Abstract Syntax February 2004

XML Key Management Specification (XKMS 2.0) June 2005

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## Awards Received

Fellow, National Academy of Public Administration

Member, Council on Foreign Relations

Electronic Frontier Foundation, Pioneer Award, 2016

Messaging, Malware and Mobile Anti-Abuse Working Group (M3AAWG) JD Falk Award, 2015

International Association of Privacy Professional, Privacy Leadership Award, 2013

Newsweek Magazine/Daily Beast, Digital Power Index, top 'Navigator' of global Internet public policy.

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## Other invited appearances:

*Layers of Responsibility: Perspectives on Internet Governance* at the Workshop on Internet Governance in

Geneva, Switzerland. International Telecommunication Union (ITU). (26 February 2004)

*Machine Enforceable Policies* at the 4th Annual Privacy & Security Summit & Expo in Washington, DC, USA.

International Association of Privacy Professionals (IAPP). (18 February 2004)

Conference On Electronic Financial Transactions, U.S. TREASURY Dept., Sept. 2000

The Aspen Institute, Communications Policy Program, Internet Policy Plenary, 19 July 1999

Agenda 2000 Conference, Privacy Online Panel, 18-19 October 1999

**Grants (selected, on which I am PI)**

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MIT-IBM Artificial Intelligence Initiative, Symbolic interpretability for policy-aware explanations machine-learning systems	\$150,000
Hewlett Foundation, Internet Policy Research Initiative (2015-2020)	\$15,000,000
NSF/Dutch National Science Foundation (NWO), Transparency Bridges (2016-18)	\$300,000
Ford Foundation, MIT Information Policy Project (2013-15)	\$910,000
US Department of Homeland Security Accountable Information Systems	\$ 3,088,977
NSF-CNS, Theory and Practice of Accountable Systems (10/2008 -8/2013)	\$1,200,000
IARPA, End-to-end, semantic accountability (12/2006 – 11/2010)	\$1,181,164
Microsoft Research, "Identifying and Addressing Privacy Leakage from Query Logs: An Accountability Approach" (2008-2009)	\$85,378
NSF-IIS, Transparent Accountable Data Mining Initiative (9/2005 – 9/2008)	\$1,370,000
NSF, ITR: Policy Aware Web: Rules, Proofs and Trust on the Semantic Web (10/04-9/07)	\$585,000
ARL, Policy Award and Data Integration Project (7/07 – 6/10)	\$1,000,000