

Daniel Jacob Weitzner

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Principal Research Scientist
Founder and Director, Decentralized Information Group
MIT Computer Science and Artificial Intelligence Laboratory

Technology & Society Policy Director
World Wide Web Consortium
<http://www.w3.org/People/Weitzner.html>

Education

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

Principal Fields of Interest:

Web architecture & public policy
Freedom of speech and privacy rights online
Intellectual property law in online environments
Internet governance
Public Policy issues in the Semantic Web

Appointments

Founder and Director, MIT CSAIL Decentralized Information Group
(January 2005 – present)
Visiting Professor, University of Southampton, Electronics & Computer Science (March 2006 - present)
Visiting Professor, University of Maryland (College Park), Department of Computer Science
(June – December 2004)
Principal Research Scientist, MIT Computer Science and Artificial Intelligence Laboratory
(2003 – present)
Technology and Society Domain Lead, World Wide Web Consortium
(1998 – present)
Co-founder & Deputy Director, Center for Democracy and Technology
(1994 - 1998)
Deputy Policy Director, Electronic Frontier Foundation
(1991 – 1994)

Professional Service

Founding Member, Board of Directors, [Center for Democracy and Technology](#)
(December 1998 – present)

Founding Board Member, [Software Freedom Law Center](#) (January 2005 – present)

Founding Member, Board of Directors, [Internet Education Foundation](#)
(November 1998 – present)

Founding Board Member, Web Science Research Initiative (November 2006 – present)

Founding Member, [Internet Corporation for Assigned Names and Numbers \(ICANN\)](#), Protocol Supporting Organization (April 1999 – January 2003)

Member, National Academy of Sciences Study Committee on [Technical and Privacy Dimensions of Information for Terrorism Prevention and Other National Goals](#) (April 2006 – October 2007).

Member, National Academy of Sciences Study Committee on [Authentication Technologies and their Privacy Implications](#) (March 2000- November 2003)

Member, Pew Charitable Trusts Democracy Online Task Force (April 1999 – 2002)

Editorial Board, Foundations and Trends in Web Science

Editorial Board, [Journal of Privacy Technology](#)

Co-Chair, W3C Patents and Standards Interest Group

Chair, [W3C Patent Policy Working Group](#), World Wide Web Consortium (October 1999 – November 2004)

Chair, Web & Society Track & Program Committee member, [Ninth International World Wide Conference](#) (May 1999 – May 2000)

American Bar Association Task Force on Electronic Surveillance Standards. (February 1997 – May 1998)

Advisory Committee Member, [Congressional Internet Caucus Advisory Committee](#) (November 1996 – present)

Program Committee, [6th Computers Freedom and Privacy Conference](#) (1996)

Publications of Daniel J. Weitzner

Books

Browning, Graeme (Weitzner, ed.) *Electronic Democracy: Using the Internet to Influence American Politics*. Pemberton Press. Wilton, CT. 1996

Contributions

Kapor, Mitch and Weitzner, Daniel (1994). "Social and Industrial Policy for Public Networks: Visions for the Future". Harasim and Walls, eds. *Global Networks: Computers and International Communication*. Oxford University Press. Oxford.

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.

Research Papers

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, 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, Abelson, Berners-Lee, et al., "Transparent Accountable Data Mining: New Strategies for Privacy Protection", MIT CSAIL Technical Report MIT-CSAIL-TR-2006-007 (27 January 2006). (<http://www.w3.org/2006/01/tami-privacy-strategies-aaai.pdf>)

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

V. Kolovski, Y. Katz, J. Hendler, D. Weitzner and T. Berners-Lee, Towards a Policy-Aware Web, in Proceedings of the Semantic Web and Policy Workshop, 4th Annual Semantic Web Conference (forthcoming)

Ackerman, M., Darrell, T., & Weitzner, D. J. (2001). [Privacy in context](#). *Human-Computer Interaction*, 16, pp. 167-176.

Berman, J., and 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 and Daniel J. Weitzner, Developing the National Communications and Information Infrastructure, *Internet Research Electronic Networking Applications and Policy* Vol 03, No. 02; Summer 1993

Other Major Publications

J. Dempsey & D. Weitzner, "[Regardless of Frontiers: Protecting the Human Right to Freedom of Expression on the Global Internet.](#)" Global Internet Liberty Campaign (1998)

Kapor, Mitch; Berman, Jerry and Daniel Weitzner. "We Need a National Public Network," *Whole Earth Review*, Spring, 1992.

Weitzner, Daniel J., "Building Open Platforms: Public Policy for the Information Age," *Telecommunications* 28 (1) 79-82 (Jan 1994).

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

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:

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

Daniel J. Weitzner (Editor), [W3C Current Patent Practice](#), W3C Note, 24 January 2002

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 Congressional & Regulatory Bodies

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. The workshop was sponsored by the 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. The workshops were sponsored by the 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](#)" about 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

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." NSF Cybertrust PI Meeting, 29 January 2007 (Atlanta, GA).

Keynote, "Broken Links on the Web: Local Laws and the Global Free Flow of Information," at the 15th 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 Confererence 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. The symposium was sponsored by the 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 Febuary 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 Univesity 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

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

MIT 6.805/6.806/STS085: Ethics and Law on the Electronic Frontier: Copyright & Digital Rights Management Technologies, with H. Abelson (Fall 1998 – Fall 2008)

MIT 6.898: Research Seminar on Accountable Systems

Workshops (selected)

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)

Students

PhD Thesis Advisor and Postgraduate-Scholar Sponsor:

Lalana Kagal (Post Doctoral Fellow, MIT CSAIL: 2004 – present)
 Simson Garfinkel (PhD dissertation committee)
 Latanya Sweeney (PhD dissertation committee)

Masters Students

Ryan Wagner, Master of Engineering	9/2003 - 6/2004
K. Krasnow Waterman, Masters of Business (MIT Sloan)	9/2005 - 6/2006
Harvey Jones, Masters of Engineering	7/2006 – 6/2007

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

Awards Received

International Student Pugwash Conference Essay Competition Scholarship, 1985

Other invited appearances:

Layers of Responsibility: Perspectives on Internet Governance at the [Workshop on Internet Governance](#) in Geneva, Switzerland. The workshop was sponsored by the International Telecommunication Union (ITU). (26 February 2004)

Machine Enforceable Policies at the 4th Annual [Privacy & Security Summit & Expo](#) in Washington, DC, USA. The conference was sponsored by the International Association of Privacy Professionals (IAPP). (18 February 2004)

Slashdot Interview: [W3C RAND Point man \[sic\] Responds](#), 2 November 2001

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

NSF-CNS, Theory and Practice of Accountable Systems (#0831442) 10/2008 – 9/2011
PI with co-PIs T. Berners-Lee (MIT CSAIL), M. Fischer (MIT Anthropology), J. Hendler (RPI), G. Sussman (MIT EECS).
\$1,200,000.

Microsoft Research, "Identifying and Addressing Privacy Leakage from Query Logs: An Accountability Approach" 1/2008 – 12/2008
\$85,378

NSF-IIS, Transparent Accountable Data Mining Initiative (#0524481) 9/2005 – 9/2008
PI with co-PIs H. Abelson, T. Berners-Lee, R. Fikes (Stanford), G. Sussman.
\$1,370,000

NSF, ITR: Policy Aware Web: Rules, Proofs and Trust on the Semantic Web 10/04-9/07
Co-PI with J. Hendler (Maryland, PI), T. Berners-Lee (MIT), VS Subrahmanian (Maryland).
MIT budget: \$585,000.

IARPA, End-to-end, semantic accountability (FA8750-07-0031) 6/07 – 12/08
PI (with H. Abelson, T. Berners-Lee, and G. Sussman of MIT, J Feigenbaum (Yale), and J. Hendler (RPI))
\$1,181,164

ARL, Policy Award and Data Integration Project (W911NF-07-2-0078) 7/07 – 6/10
PI (with T. Berners-Lee, co-PI)
\$1,000,000