CHRISTIAN SANDVIG
CURRICULUM VITA
15 January 2017

Professor
School of Information
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EDUCATION

Ph.D., **Communication**, Stanford University, January 2002.
    Area: communication and information policy, science and technology studies.
M.A., **Communication**, Stanford University, December 1999.
    Area: political communication.
B.A. *summa cum laude*, **Rhetoric & Communication**, University of California, Davis,
    March 1997.

ACADEMIC POSITIONS

2016-   **Professor**, School of Information
       Faculty Affiliate,
          Center for Political Studies, Institute for Social Research
          Program in Science, Technology, & Society
          Program in Digital Studies
2012-2016   **Associate Professor,** School of Information and
          Dept. of Communication Studies, College of Literature, Science, & the Arts
       University of Michigan, Ann Arbor

2011-2012 Founder and **Co-Director**, Center for People & Infrastructures
2008-2012 **Associate Professor,**
          Dept. of Media & Cinema Studies, College of Media,
          Dept. of Communication, College of Liberal Arts & Sciences,
          Institute of Communications Research, College of Media,
          Coordinated Science Laboratory, College of Engineering,
       Affiliated Faculty,
          Illinois Informatics Institute,
          Program in Science and Technology Studies,
          Graduate School of Library and Information Science,
          University of Illinois at Urbana-Champaign
2002-2008 **Assistant Professor**, Department of Speech Communication
          University of Illinois at Urbana-Champaign

2001-2002 Markle Foundation Information Policy Fellow,
          Centre for Socio-Legal Studies, **Oxford University**

VISITING/EXTERNAL APPOINTMENTS

2012-	Associate Faculty, Center for People & Infrastructures, **University of Illinois**
2010-	Consulting Researcher, **Microsoft Research**, Cambridge, MA
2010-15	Faculty Associate, Berkman Center for Internet & Society, **Harvard University**
2009-10	Resident Fellow, Berkman Center for Internet & Society, **Harvard University**
2009-10	Visiting Scholar, Sloan School of Management, **MIT**
2009	Visiting Scholar, Dept. of Art History & Communication, **McGill University**
2008	Visiting Associate Professor, People and Practices Research Group, **Intel Research**, Portland, USA
2004-11	Member, Annenberg Research Network on Int'l Communication, **USC**
2002-08	Fellow, **Stanhope Centre for Communications Policy Research**, London
2002-07	Associate Fellow, Centre for Socio-Legal Studies, **Oxford University**
2002-03	Visiting Fellow, Oxford Internet Institute, **Oxford University**

PUBLICATIONS

DISSERTATION

Computer Networks, Real and Imagined: Competing Visions of Communication in Technology Design, Discourse, Use, and Policy. (January 2002.) Stanford University Department of Communication. Committee: François Bar (advisor), Theodore Glasser, Robert McGinn, Byron Reeves.

BOOKS

Hargittai, E. & Sandvig, C. (eds.) (2015). *Digital Research Confidential: The Secrets of Studying Behavior Online.* Cambridge, MIT Press.

Sandvig, C. (in preparation). *Corrupt Personalization: Algorithmic Culture in Media and Computing.* New Haven, CT: Yale University Press. (Signed advance contract.)

EDITED JOURNAL ISSUES

Sandvig, C. (ed.) (2003). **Special Issue: Policy, Politics, and the Local Internet.** *The Communication Review 6*(3): 179-183. (invited guest editor.)

PEER-REVIEWED PROCEEDINGS

Eslami, M., Karahalios, K., Sandvig, C., Vaccaro, K., Rickman, A., Hamilton, K., & Kirlik, A. (2016). **First I "like" it, then I hide it: Folk Theories of Social Feeds**. Proceedings of the 34rd Annual SIGCHI Conference on Human Factors in Computing Systems, Association for Computing Machinery (ACM): 2371-2382. (12 pp.)

Soeller, G., Karahalios, K., Sandvig, C., & Wilson, C. (2016). **MapWatch: Detecting and Monitoring International Border Personalization on Online Maps**. Proceedings of the 25th Annual World Wide Web (WWW) Conference, Association for Computing Machinery (ACM): 867-878. (12 pp.)

Eslami, M., Rickman, A., Vaccaro, K., Aleyasen, A., Vuong, A., Karahalios, K., Hamilton, K., & Sandvig, C. (2015). **"I always assumed that I wasn't really that close to [her]": Reasoning about invisible algorithms in the news feed.** *Proceedings of the 33rd Annual SIGCHI Conference on Human Factors in Computing Systems,* Association for Computing Machinery (ACM): 153-162. (awarded best paper.)

Eslami, M., Rickman, A., Vaccaro, K., Aleyasen, A., Vuong, A., Karahalios, K., Hamilton, K., & Sandvig, C. (2015). **FeedVis: A Path for Exploring News Feed Curation Algorithms**. Proceedings of the 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing (CSCW): 65-68. (peer-reviewed software demo.)

Hamilton, K., Karahalios, K., Sandvig, C., & Eslami, M. (2014). **A Path to Understanding the Effects of Algorithm Awareness**. (alt.chi) *Proceedings of the 32nd Annual SIGCHI Conference on Human Factors in Computing Systems,* Association for Computing Machinery (ACM): 631-640.

Gilbert, E., Karahalios, K. & Sandvig, C. (2008). **The Network in the Garden: An Empirical Analysis of Social Media in Rural Life.** *Proceedings of the 26th Annual SIGCHI Conference on Human Factors in Computing Systems*, Association for Computing Machinery (ACM): 1603-1612. (awarded best paper.)

JOURNAL ARTICLES

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (forthcoming). **Auditing Algorithms: A Research Method for Detecting Discrimination on Internet Platforms**. *Computational Culture*.

Plantin, J.-C., Lagoze, C., Edwards, P. N., & Sandvig, C. (forthcoming). **Infrastructure studies meet platform studies in the age of Google and Facebook**. *New Media & Society*.

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2016). **When the Algorithm Itself is a Racist: Diagnosing Ethical Harm in the Basic Components of Software**. *International Journal of Communication 10:* 4972-4990. http://ijoc.org/index.php/ijoc/article/view/6182/1807

Sandvig, C. (2015). **The Social Industry**. *Social Media & Society 1*(1): 1-4. (invited. not peer-reviewed.)

Lagoze, C., Edwards, P., Sandvig, C., & Plantin, J. (2015). **Should I stay or should I go? Alternative infrastructures in scholarly publishing**. *International Journal of Communication 9*: 1052-1071. http://ijoc.org/index.php/ijoc/article/view/2929

Sandvig, C. (2015). **Seeing the Sort: The Aesthetic and Industrial Defense of "The Algorithm."** *Media-N. 11*(1): 35-51.

Hamilton, K., Karahalios, K., Sandvig, C., & Langbort, C. (2014). **The Image of the Algorithmic City: a Research Approach**. *Interaction Design and Architecture(s) 20: 61-71.*

Sandvig, C. (2011). **Spectrum Miscreants, Vigilantes, and Kangaroo Courts: The Return of the Wireless Wars**. *Federal Communications Law Journal 63*(2): 481-506.

Gilbert, E., Karahalios, K., & Sandvig, C. (2010). **The Network in the Garden: Designing Social Media for Rural Life**. *American Behavioral Scientist 53*(9): 1367-1388.

Shah, R. & Sandvig, C. (2008). **Defaults as De Facto Regulation: The Case of Wireless Access Points.** *Information, Communication, and Society 11*(1): 25-46.

Bar, F. & Sandvig, C. (2008). **US Communications Policy After Convergence.** *Media, Culture, & Society 30*(1): 531-550.

Sandvig, C. (2007). **The RED Project: Rendering Electromagnetic Distributions**. *Vectors: Journal of Culture and Technology in a Dynamic Vernacular 3*(1). (not paginated – 23 pp.)

Sandvig, C. (2007). **Network Neutrality is the New Common Carriage**. *Info: The Journal of Policy, Regulation, and Strategy for Telecommunications 9*(2/3): 136-147.

Sandvig, C. (2006). **The Internet at Play: Child Users of Public Internet Connections**. *Journal of Computer-Mediated Communication 11*(4): 932-956.

Sandvig, C. (2004). **An Initial Assessment of Cooperative Action in Wi-Fi Networking**. *Telecommunications Policy 28*(7/8): 579-602.

Sandvig, C. (2003). **Public Internet Access for Young Children in the Inner-City: Evidence to Inform Access Subsidy and Content Regulation**. *The Information Society 19*(2): 171-183.

Sandvig, C. (2003). **Policy, Politics, and the Local Internet: An Introduction**. *The Communication Review 6*(3): 179-183.

Chaffee, S., Saphir, M.N., Graf, J., Sandvig, C. & Hahn, K.S. (2001). **Attention to Counter-Attitudinal Messages in a State Election Campaign**. *Political Communication 18*(3): 247-272.

BOOK CHAPTERS

Plantin, J., Lagoze, C., Edwards, P., & Sandvig, C. (forthcoming). **When Big Data Transforms Scholarship**. In: C. Mabi & J. Plantin (eds.), *Towards an Ecology of Data: Political and Scientific Issues of Digital Data*. Presses de l'École des Mines: Paris.

Sandvig, C. & Hargittai, E. (2015). **How to Think About Digital Research.** In: Hargittai, E. & Sandvig, C. (eds.), *Digital Research Confidential*, pp. 1-27. Cambridge: MIT Press.

Sandvig, C. (2015). **The Internet as the Anti-Television: Distribution Infrastructure as Culture and Power**. In: L. Parks and N. Starosielski (eds.), *Signal Traffic: Critical Studies of Media Infrastructures*, pp. 225-245. Chicago: University of Illinois Press. (Best Edited Collection Award, Society for Cinema and Media Studies [SCMS], 2015-2016)

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2014). **An Algorithm Audit**. In: Seeta Peña Gangadharan (ed.), *Data and Discrimination: Collected Essays*, pp. 6-10. Washington, DC: New America Foundation. (invited.)

Sandvig, C. (2013). **The Internet as Infrastructure**. In: W. Dutton (ed.), *The Oxford Handbook of Internet Studies,* pp. 86-107. Oxford: Oxford University Press. (invited.)

Sandvig, C. (2012). **What are Community Networks an Example of? A Response.** In: A. Clement, M. Gurstein, G. Longford, M. Moll, & L. R. Shade (eds.), *Connecting Canadians: Investigations in Community Informatics*, p. 133-142. Edmonton: Athabasca University Press.

Sandvig, C. (2012). **Connection at Ewiiaapaayp Mountain: Indigenous Internet Infrastructure**. In: L. Nakamura & P. Chow-White (eds.) *Race After the Internet*., pp. 168-200. New York: Routledge.

Sandvig, C. (2009). **How Technical is Technology Research?** In E. Hargittai (ed.), *Research Methods from the Trenches*, pp. 141-163. Ann Arbor: University of Michigan Press.

Ward, D., Laskowski, M., & Sandvig, C. (2008). **Gaming in the Classroom**. In A. Harris & S. E. Rice (eds.), *Gaming in Academic Libraries: Collections, Marketing, and Information Literacy*, pp. 52-65. ACRL Monographs. Chicago: American Library Association.

Sandvig, C. (2007). **Wireless Play and Unexpected Innovation**. In T. McPherson (ed.), *Digital Youth, Innovation, and the Unexpected: The MacArthur Foundation Series on Digital Media and Learning*, pp. 77-97. Cambridge, Mass.: MIT Press.

Sandvig, C. (2006). **Access to the Electromagnetic Spectrum is a Foundation for Development**. In Global Forum for Media Development (ed.) *Media Matters: The Global Media Development Compendium,* pp. 50-55. Paris: Internews.

Sandvig, C. (2006). **The Structural Problems of the Internet for Cultural Policy**. In D. Silver & A. Massanari (eds.), *Critical Cyberculture Studies,* pp. 107-118. New York: New York University Press. (invited.)

Sandvig, C. (2006). **Shaping Infrastructure and Innovation on the Internet: The End-to-End Network that Isn't.** In D. Guston & D. Sarewitz (eds.), *Shaping Science and Technology Policy: The Next Generation of Research,* pp. 234-255. Madison: University of Wisconsin Press.

Sandvig, C. (2004). **Welcome to 1927: The Creation of Property Rights and Domain Name Policy in Historical Perspective**. In P. Day & D. Schuler (eds.), *Global Communities in the Network Society*, pp. 52-65. New York: Routledge.

Sandvig, C. & Verhulst S. (2004). **The Internet and Public Policy in Comparative Perspective**. In M. Price & H. Nissenbaum (eds.), *The Academy and the Internet,* pp. 308-322. New York: Peter Lang Publishing. (invited.)

Sandvig, C. (2001). **What Children Really Do in the Public Library: Unexpected Outcomes in Digital Divide Policy**. In B. Compaine & S. Greenstein (eds.), *Communications Policy in Transition: The Internet and Beyond,* pp. 265-294. Cambridge: MIT Press.

WORK REPRINTED IN TRANSLATION

Sandvig, C. (2007). Az internet szerkezeti problémái a kultúrpolitika nézőpontjából. (Bodo Balazs, tr.). In: HALÁCSY Péter, VÁLYI Gábor, and Barry WELLMAN (szerk.), *Hatalom a mobiltömegek kezében*, pp. 65-78. Budapest, Hungary: Typotex.
    (translation of: The Structural Problems of the Internet for Cultural Policy.)

Sandvig, C. (2008). Neutralidade da Rede: e o nova via pública. *PoliTICs 2.* Rio de Janeiro, Brasil: Nupef/Rits Center for Research, Studies and Capacity Building of the Information Network for the Third Sector.
http://www.politics.org.br/edicao_02/m1.html
    (translation of: Network Neutrality is the New Common Carriage.)

Bar, F & Sandvig, C. (2009). Política de comunicações dos Estados Unidos pós-convergência. *Revista de Direito, Estado e Telecomunicações, 1*(1).
http://www.getel.org/GETELSEER/index.php/redetel/article/viewFile/7/6
    (translation of: US Communication Policy After Convergence.)

REFEREED CONFERENCE PAPERS

Corrupt Personalization – Theorizing Adversarial Human-Computer Interaction. (2016, June). Paper presented to the 66th annual meeting of the International Communication Association, Fukuoka, Japan.

Glass Boxing -- Diagnosing and Responding to Algorithmic Harms. (2016, May). Paper presented to "Data and Society 2016" (academic track), New York, NY, USA.

Plantin, J., Edwards, P., Lagoze, C., & Sandvig, C. (2015, November). **Splintering Data Infrastructures in Social Science: The Rise of Platforms?** Paper presented to the annual meeting of the Association for the Social Studies of Science (4S). Denver, Colorado, USA.

Stevenson, D., & Sandvig, C. (2015, June). **Evidence of Contextual Integrity for Personal Information Use in Targeted Online Advertising**. Paper presented to 2015 American Marketing Association (AMA) Marketing and Public Policy Conference, Washington, DC, USA.

Eslami, M., Rickman, A., Vaccaro, K., Aleyasen, A., Karahalios, K., Hamilton, K., & Sandvig, C. (2015, June). **Exposure to the Invisible: Reasoning About Hidden Algorithms in the News Feed**. Research poster presented to the International Conference on Computational Social Science (IC²S²), Helsinki, Finland.

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2015, May). **Can an Algorithm be Unethical?** Paper presented to the 65th annual meeting of the International Communication Association, San Juan, Puerto Rico, USA.

Sandvig, C. (2015, May). **You are a Political Junkie and Felon Who Loves the Sound of Blenders: Machine Learning Taste Cultures.** Paper presented to the 65th annual meeting of the International Communication Association, San Juan, Puerto Rico, USA.

Stevenson, D., & Sandvig, C. (2015, May). **How Personal is Personal Information? Data-Driven Policymaking for Targeted Online Advertising.** Poster presented to the 65th annual meeting of the International Communication Association, San Juan, Puerto Rico, USA.

Ananny, M., Karahalios, K., Sandvig, C., & Wilson, C. (2015, May). **Auditing Algorithms From the Outside**. A preconference workshop prepared for the 9th International AAAI Conference on Web and Social Media (ICWSM), Oxford, UK. (co-organizer.)

Vaccaro, K., Karahalios, K., Sandvig, C., Hamilton, K., and Langbort, C. (2015, March). **Agree or Cancel? Research and Terms of Service Compliance**. Paper presented to the Ethics Workshop of the 18th Annual Association for Computing Machinery (ACM) Conference on Computer-Supported Cooperative Work (CSCW).

Sandvig, C., Hamilton, K., & Karahalios, K. (2014, October). **We Guess Your Algorithm**. Presented to the 15th Annual Meeting of the Association of Internet Researchers (AoIR), Bangkok, Thailand.

Sandvig, C. (2014, August). **Collectivist Internet, Capitalist Internet: Infrastructural Captive States**. Paper presented to the annual meeting of the Association for the Social Studies of Science, Buenos Aires, Argentina.

Rickman, A. & Sandvig, C. (2014, June). **Broke and Buying Rides: Adolescent Girls and Social Media Brokering**. Paper presented to the 8th Int'l AAAI Conference on Weblogs and Social Media (ICWSM). Ann Arbor, Michigan, USA. (awarded best paper honorable mention.)

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2014, May). **Auditing Algorithms: A Research Method for Detecting Discrimination on Internet Platforms**. Paper presented to the 64th annual meeting of the International Communication Association, Preconference on Data and Discrimination, Seattle, Washington, USA.

Hamilton, K., Karahalios, K., Langbort, C., & Sandvig, C. (2013, October). **The Image of the Data City: Perception in Shared Information Spaces**. Paper Presented to the Smart City Exposition and World Congress, Bologna, Italy.

Sandvig, C. (2013, September). **The Hardest Cases of Broadband Policy: Native Telecommunications, Captive States, and Policy Entrainment**. Paper presented to the 41st Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA.

Sandvig, C. (2013, June). **Who is the First Smith on the Internet? Contemporary Problems in Systems for Handling Identifiers**. Paper presented to the International Association for Media and Communication Research, Dublin, Ireland.

Sandvig, C. (2013, June). **When Television Programming is Computer Programming**. Paper presented to the 63rd annual meeting of the International Communication Association, London, UK.

Sandvig, C., Hamilton, K., Karahalios, K., & Langbort, C. (2013, May). **Re-Centering the Algorithm**. Paper presented to the Symposium on Governing Algorithms: Computation, Automation, and Control, New York University, New York, NY, USA. (Invited.)

Sandvig, C. (2012, March). **Video Killed the Internet Star**. Paper presented to the Society for Cinema and Media Studies, Boston, MA, USA.

Sandvig, C. (2011, May). **Mobile Sensing in the Wake of the Google Spy Cars**. Paper presented to the 61st annual meeting of the International Communication Association, Boston, MA, USA.

Sandvig, C., Yeo, S., & Nafus, D. (2010, June). **Strange Infrastructures: The Unusual Systems Project**. Paper presented to the 60th annual meeting of the International Communication Association, Singapore.

Sandvig, C. (2010, February). **A Plea for the Obscure Parts of Obvious Systems**. In: Ethnographies of Large-Scale Technical Systems. iConference 2010 (The Research Conference of Information Schools). Urbana, IL, USA.

Sandvig, C. (2009, November). **Appropriation Toward Parity: Reluctant Producers of Network Infrastructure**. Paper presented to the annual meeting of the Association for the Social Studies of Science (4S). Washington, DC, USA.

Sandvig, C. (2009, May). **Place Marketing the Reservation: The Tribal Digital Village.** Paper presented to the 59th annual meeting of the International Communication Association, Chicago, Illinois, USA.

Sandvig, C. (2008, October). **"Trying to Create the Desire and the Need:" Community Resistance to Internet Community**. Paper presented to the 9th annual meeting of the Association of Internet Researchers (AoIR), Copenhagen, Denmark.

Shaw, E. & Sandvig, C. (2008, June). **Does Infrastructure Require Policy? The Limits of Community-Based Broadband.** Paper presented to the academic research preconference of the National Conference on Media Reform, Minneapolis, Minnesota, USA.

Sandvig, C. (2008, May). **The Critical View of "Web 2.0."** Paper presented to the preconference on Public Media at the 58th annual meeting of the International Communication Association, Montreal, Canada.

Sandvig, C. (2007, October). **Alternative Infrastructure**. Paper presented to the 8th annual meeting of the Association of Internet Researchers (AoIR), Vancouver, Canada

Sandvig, C. (2007, October). **Bad Neighborhoods of the Electromagnetic Spectrum: A Method for Predicting the Deployment of Unlicensed Devices**. Paper presented to the 35th Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA.

Sandvig, C. (2007, May). **Cartography of the Electromagnetic Spectrum: A Review of Wireless Visualization and its Policy Consequences**. Paper presented to the 57th annual meeting of the International Communication Association (ICA), San Francisco, California, USA.

Lyon, E. and Sandvig, C. (2007, April). **"Wireless Networks Detected: Right-Click Here for More Options:" Predictable Clustering in Wi-Fi.** Paper presented to the 52nd Annual Meeting of the Association of American Geographers (AAG), San Francisco, California, USA.

Sandvig, C. (2006, October). **Cartography of the Electromagnetic Spectrum: A Review of Wireless Visualization and its Consequences**. Paper presented at the 34th Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA.

Sandvig, C., & Sawhney, H. (2006, June). **Approaching Yet Another New Communication Technology.** Paper presented at the 56th annual meeting of the International Communication Association, Dresden, Germany.

Sandvig, C. (2005, October). **Wireless Internet Mapping and Visualization.** Workshop presented at the 6th annual meeting of the Association of Internet Researchers, Chicago, Illinois, USA.

Sandvig, C. (2005, September). **The Return of the Broadcast War.** Paper presented at the 33rd Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA.

Sandvig, C. & Shah, R. (2005, September). **Defaults as De Facto Regulation: The Case of Wireless Access Points.** Paper presented at the 33rd Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA.

Sandvig, C. & Hall, H. (2005, May). **Moments from Wi-Fi Subculture.** Paper presented to the 55th annual meeting of the International Communications Association, New York, NY, USA.

Sandvig, C., Young, D., & Meinrath, S. (2004, October). **Hidden Interfaces to "Ownerless" Networks**. Paper presented at the 32nd Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA.

Sandvig, C. (2004, September). **Hotspot Move, Countermove: Invisible Chess Games to Price the Internet in Public Spaces.** Paper presented at the 5th annual meeting of the Association of Internet Researchers, Sussex, United Kingdom.

Sandvig, C. (2004, June). **What We Talk About When We Talk About Wi-Fi**. Paper presented to the 54th annual meeting of the International Communications Association, New Orleans, Louisiana, USA.

Sandvig, C. (2003, October). **Individual Infrastructure: The Case of Wi-Fi and the Prospects for Cooperative Action**. Paper presented at the 4th annual meeting of the Association of Internet Researchers, Toronto, Canada.

Sandvig, C. (2003, September). **Assessing Cooperative Action in 802.11 Networks**. Paper presented at the 31st Telecommunications Policy Research Conference (TPRC) on Communication, Information and Internet Policy, Arlington, Virginia, USA.

Sandvig, C. (2002, November). **Communication Infrastructure and Innovation: The Internet as End-to-End Network that Isn't.** Paper prepared for the AAAS/Columbia/Rutgers Joint Research Symposium with the Next Generation of Leaders in Science and Technology Policy, Washington DC, USA.

Sandvig, C. (2002, October). **Internet Policy From Below: Toward Grounded Regulation**. Paper presented at the meeting of the Association of Internet Researchers, Maastricht, The Netherlands.

Sandvig, C. (2002, March). **Children's Internet Use in Public Places: Implications from the Inner-City of San Francisco**. Paper presented to the 4th CSLS Conference on Law and Anthropology, Oxford, UK.

Sandvig, C. (2001, December). **The Socio-Political Implications of End-to-End**. Paper presented at the 2001 conference for Computer Ethics Philosophical Enquiries (CEPE), Lancaster, UK.

Sandvig, C. (2000, September). **The Internet disconnect in children's policy: A user study of outcomes for Internet access subsidies and content regulation**. Paper presented at the 28th Telecommunications Policy Research Conference (TPRC) on Communication, Information and Internet Policy, Alexandria, Virginia, USA. (first prize, graduate student research paper competition).

Bar, F. & Sandvig, C. (2000, September). **Rules From Truth: Post-Convergence Policy for Access.** Paper presented at the 28th Telecommunications Policy Research Conference (TPRC) on Communication, Information and Internet Policy, Alexandria, Virginia, USA.

Sandvig, C. & Murase, E.M. (2000, September). **Social Research Through the Unobtrusive Observation of Network Data: Methodological and Ethical Challenges**. Paper presented at the meeting of the Association of Internet Researchers, Lawrence, Kansas, USA.

Sandvig, C., Saphir, M.N., & Chaffee, S. (2000, August). **Co-use and co-processing of news media in the family: An explication and empirical validation.** Paper presented at the meeting of the Association for Education in Journalism and Mass Communication, Phoenix, Arizona, USA. (top paper, special competition on media and the family).

Sandvig, C. (2000, June). **The Information Apologue: Play and Internet access in the children's library**. Paper presented at the meeting of the International Communication

Association, Acapulco, Mexico. (top four student paper, Communication and Technology Division).

Sandvig, C. (2000, May). **Welcome to 1927: The creation of property rights and Internet domain name policy in historical perspective**. In *Shaping the network society: The future of the public sphere in cyberspace.* Symposium in the Directions and Implications of Advanced Computing (DIAC) series, Seattle, Washington, USA.

Chaffee, S.H., Saphir, M.N., Graf, J., Sandvig, C., & Hahn, K.S. (1999, August). **Attention to Counter-Attitudinal Messages in the 1998 Election Campaign**. Paper presented at the meeting of the Association for Education in Journalism and Mass Communication, New Orleans, Louisiana, USA.

Murase, E.M., Boutilier, S., & Sandvig, C. (1999, February). **Strategies for promoting access to the Internet among children and youth: A case study of the San Francisco Public Library's Electronic Library Project.** In *Proceedings of INET 1999: The Internet Global Summit.* Reston, VA: The Internet Society.

Sandvig, C. (1998, June). **Property rights and Internet policy: Lessons from the history of broadcasting**. Paper presented at the meeting of the Union for Democratic Communications, San Francisco, California, USA.

Sandvig, C. (1997, May). **The Netizen: Wired's conception of computer-mediated culture**. Paper presented at the Western Region Student's Conference in Rhetorical Criticism, Hayward, California, USA.

Sandvig, C. (1996, April). **The Internet as a radical departure from traditional publishing models**. Paper presented at the 7th Undergraduate Research Conference of the University of California, Davis, California, USA.

INVITED LECTURES

We Sued for Your Bots. March 14, 2017. South by Southwest (SXSW) Interactive, Austin TX, USA. (panel.) (forthcoming.)

The Power of Digital Research. June, 2016. A theme roundtable at the 66th annual meeting of the International Communication Association, Fukuoka, Japan.

The Awakenings of the Filtered: Algorithmic Personalization in Social Media and Beyond. April 4, 2016. Robert M. Pockrass Memorial Lecture in Public Opinion and Popular Culture, College of Communications, Pennsylvania State University.

Algorithmic Lunacy and What to Do About It. March 12, 2016. South by Southwest (SXSW) Interactive, Austin, TX, USA. (panel.)

Awakenings of the Filtered. December 10, 2015. Department of Media & Communications, University of Sydney.

You are a Political Junkie and Felon Who Loves Blenders: Recovering Motives from Machine Learning. December 12, 2015. Faculty of Law, University of New South Wales.

Private platforms under public pressure. October 2015. A roundtable at the 16th annual meeting of the Association of Internet Researchers (AoIR), Phoenix, Arizona, USA.

Seeing Algorithms. October 29, 2015. Department of Humanities, Illinois Institute of Technology.

Pax Technica: How the Internet of Things May Set Us Free or Lock Us Up. May, 2015. A roundtable at the 65th annual meeting of the International Communication Association, San Juan, Puerto Rico, USA. (panelist.)

When Algorithms Attack. March 15, 2015. South by Southwest (SXSW) Interactive, Austin, TX, USA. (panelist.)

Algorithms and Accountability: Media, Platforms, and Users. February 28, 2015. Information Law Institute, New York University. (panelist.)

Auditing Algorithms: Detecting Discrimination on Internet Platforms. November 17, 2014. The Center for Media, Data and Society; Central European University.

Mobile Broadband for Community Development. October 29, 2014. Michigan Broadband Summit, Connect Michigan/Michigan Public Service Commission. (panelist.)

Algorithms and the Future of Accountability Reporting. October 25, 2014. Graduate School of Journalism, Columbia University. (panelist.)

How Personal is Personal Information? September 10, 2014. "Whose Information Is It Anyway? In Search of a New Balance," New America Foundation, Washington, D.C. (co-authored with D. Stevenson.)

Algorithmic Infrastructures. July 22, 2014. Berkman Center for Internet & Society, Harvard University.

When Data Science & Human Subject Research Collide. July 14, 2014. Microsoft Faculty Summit, Microsoft Research. (panelist.)

Infrastructural Reversals. May 21, 2014. "Design at Large" Lecture Series, University of California, San Diego.

Auditing Algorithms. May 13, 2014. University of Pennsylvania Law School.

The Death of the Viral Video. May 5, 2012. ROFLCon III: The Conference of Internet Culture. Massachusetts Institute of Technology. (panelist.)

Truthiness in Digital Media: Individual Tools and Empowerment. March 6, 2012. Berkman Center for Internet & Society, Harvard University. (panelist.)

Is Social Media a Human Right? March 10, 2012. South by Southwest (SXSW) Interactive, Austin, TX, USA. (panelist.)

The Television Can Not Be Revolutionized. May 5, 2011. Communication Futures Program, Media Lab, Massachusetts Institute of Technology.

The Why and How of Decentralized Web Identity. March 12, 2011. South by Southwest (SXSW) Interactive, Austin, TX, USA. (panelist.)

A New Wireless Imaginary: Critical Cartography of the Electromagnetic Spectrum. February 13, 2011. Materialities and Imaginaries of the Mobile Internet. Wilfred Laurier University.

Video Killed the Internet Star. November 30, 2010. Harvard Business School, Harvard University.

Connection at Ewiiaapaayp Mountain: Technology Appropriation in Broadband. November 10, 2010. Department of Communication, University of California, Santa Barbara.

And the Internet Swooped In. May 4, 2010. ROFLCon II: The Conference of Internet Culture. (panelist.)

The Television Can Not Be Revolutionized. April 6, 2010. Berkman Center for Internet & Society, Harvard University.

Alien Infrastructure. March 16, 2010. School of Information, University of Michigan.

Alien Infrastructure. March 3, 2010. Information Society Project, Yale University.

A&R is the new R&D. November 2, 2009. Innovation Lab, Sloan School of Management, MIT.

Networked Television Beyond Television Networks. July 23, 2009. Fundação para a Ciência e a Tecnologia / University of Texas at Austin Joint International School of Digital Transformation, Porto, Portugal.

Addressing Internet Infrastructure. December 5, 2008. Wharton School of Business, University of Pennsylvania.

Bad Neighborhoods of the Electromagnetic Spectrum. February 22, 2008. Department of Radio-Television-Film, University of Texas at Austin.

Web 2.0. November 24, 2008. Testimony before the Advisory Committee on the Impact of New Media on Society (AIMS), Ministry of Information, Communication, and the Arts, Government of Singapore.

Media Innovation After Stratification? November 23, 2007. Wee Kim Wee School of Information and Communication, Nanyang Technological University, Singapore.

Spectrum Allocation After Digital Convergence. November 15, 2007. National Telecommunications Commission, Thailand.

Peer Production and Innovation in New Media. December 1, 2006. Wharton School of Business, University of Pennsylvania.

Wi-Fi or I-Spy? November 4, 2006. Museum of Contemporary Art, Chicago, USA. (Invited panelist.)

Municipal and Community Wireless Networks. September 29, 2006. At the 34th Telecommunications Policy Research Conference (TPRC) on Communication, Information, and Internet Policy, Arlington, Virginia, USA. (Invited panelist.)

Community Wireless Outreach and Activism. April 1, 2006. The 2006 National Summit for Community Wireless Networks. St. Charles, MO, USA. (Invited panelist.)

The Return of the Broadcast War. March 6, 2006. Faculty of Information Studies, University of Toronto.

Gender and Free/Libre/Open Source Software. February 11, 2006. To: "The Workshop on Gender and Free/Libre/Open Source Software." King's College, Cambridge University. (Invited panelist.)

Envisioning a Multidisciplinary Field. February 3, 2006. To: "The Social Science Research Council / Oxford Internet Institute Workshop on Information, Communication and New Media Studies: Networking a Multidisciplinary Field." Oxford Internet Institute, Oxford University. (Invited panelist.)

The Return of the Broadcast War. January 26, 2006. Department of Communication Arts, University of Wisconsin-Madison.

Bad Neighborhoods of the Electromagnetic Spectrum. January 18, 2006. Department of Communication Studies, University of California, Los Angeles.

The Return of the Broadcast War. January 9, 2006. Department of Communication, University of Illinois at Chicago.

The Return of the Broadcast War. December 20, 2005. Department of Communication, University of Massachusetts, Amherst.

The Return of the Broadcast War. December 1, 2005. Department of Telecommunications, Indiana University.

Unlicensed Wireless Communication in the Developed World. November 10, 2005. School of International Service, American University.

The Political Economy of Peer Production Networks. October 15, 2005. To: "Re:Activism." Central European University, Budapest. (Invited panelist.)

Activism and the Urban Fabric. October 14, 2005. To: "Re:Activism." Central European University, Budapest. (Invited panelist.)

The Return of the Broadcast War. May 16, 2005. Department of Telecommunications, Michigan State University.

Dreaming of Infrastructure, One Attic at a Time. January 10, 2005. Philadelphia, PA: Annenberg School for Communication, University of Pennsylvania.

Wireless Infrastructure: Alternative Models. October 9, 2004. To "Wireless Communication Policies and Prospects: A Global Perspective," a workshop of the Annenberg Research Network on International Communication. Los Angeles, CA: Annenberg School for Communication, University of Southern California.

Dreaming of Infrastructure: Moves and Countermoves to Control Wireless Internet and the Spectrum. October 5, 2004. Ann Arbor, MI: Department of Communication Studies, University of Michigan.

Mapping Wireless Internet Activism: "You Are Your Own Telecommunications Company" and other Utopias of the Wi-Fi Insurgency. April 9, 2004. Ann Arbor, MI: Department of Communication Studies, University of Michigan.

Does Wireless Rebellion Scale? To the *Annenberg Research Seminar Series on International Communication*. February 5, 2004. Los Angeles, CA: Annenberg School for Communication, University of Southern California.

"May Ten Thousand Autonomous Systems Bloom:" The Unwiring of New Infrastructure by Wi-Fi Co-Ops. November 10, 2003. Bloomington, Department of Telecommunications, Indiana University.

KEYNOTE ADDRESS: Rising Issues: Information and Communication Technology Policy. To *The ICT Policy Training Programme*. August 26, 2003. Budapest, Hungary: Central European University.

Wi-Fi and the Prospects for Fast, Free, and Accidental Infrastructure. To the *Institute for Socio-Technical Innovation and Research*. August 11, 2003. Adastral Park, UK: Essex University.

Wi-Fi: Fast, free and accidental wireless Internet infrastructure? At the *Summer Doctoral Programme* of the Oxford Internet Institute, Summer, 2003. Oxford, UK: Oxford University.

The Development of the Internet's Structure. At *The Media Law Advocates Training Programme*, organized by Oxford University and the Open Society Justice Initiative, Summer 2003. Oxford, UK: Oxford University.

The Structural Problems of the Internet for Cultural Policy. At *Critical Cyberculture Studies: Current Terrains, Future Directions*, May, 2003. Seattle, WA: University of Washington.

Wireless Fidelity and Architectural Questions. At *Public Values, System Design, and the Public Domain*, March 6, 2003. Bellagio, Italy: Rockefeller Foundation Study and Conference Center.

The Role of the State in Internet Architecture. October 2, 2002. New York, NY: Cardozo School of Law, Yeshiva University.

Disorderly Infrastructures: Wi-Fi in the Shadow of the Rural Telephone Cooperative. At *Casting a Wider Net: Integrating Research and Policy on the Social Impacts of the Internet.* Oxford, UK: Oxford Internet Institute.

Communication Infrastructure and Innovation. *Oxford Internet Institute Open Seminar Series*, Summer 2002. Oxford, UK: Oxford University.

The Development of the Internet's Structure. *Legal Responses to New Communication Technologies,* the Cardozo/Oxford Summer Programme on Comparative Media Law, Summer 2002. Oxford, UK: Oxford University.

The Development of the Internet's Structure. *The Open Society Institute Training Programme for Media Law Advocates from South-East Europe and the Southern Caucasus*, Summer 2002. Oxford, UK: Oxford University.

US Models for Regulating the Internet. At *China, Media Policy, & the WTO*, a joint summer programme between Peking University and Oxford University, Summer 2002. Haikou, Hainan, China: Peking University.

Reasoning About the Design of Infrastructure. At *Infrastructure: Technological, Human, and the Intersection Between the Two*, School of Communication, April 2002, Evanston, IL: Northwestern University.

"New" Media Technology as Political. Fall 2001. School of Journalism, Media, and Cultural Studies, University of Wales, Cardiff, UK.

Play and Policy in the Inner-City Children's Library. November 2001. Oxford, UK: Centre for Socio-Legal Studies, Oxford University.

Policy for the Information Poor. *Research Studentship Seminar Programme*, October 2001. Oxford, UK: Wolfson College, Oxford University.

Frontiers in Research Methods. At the Social Science Research Council *Program on Information Technology, International Cooperation, and Global Security.* Summer Institute, July 2001. Berkeley, CA: University of California.

Unobtrusive Web Traffic Analysis. At the *Workshop on Web Site Analysis Methodology*, June 2000, Annenberg Public Policy Center, Annenberg School for Communication, University of Pennsylvania.

COMMENTARY AND INTERVIEWS

WRITTEN COMMENTARY

Freelance Op-Ed contributor, *Wired*. (2015-).

Sandvig, C. & Karahalios, K. (2016). **Most of what you do online is illegal. Let's end the absurdity**. Op-Ed. *The Guardian*. https://www.theguardian.com/commentisfree/2016/jun/30/cfaa-online-law-illegal-discrimination

Sandvig, C. (2009-). Extensive blogging at "**The Social Media Collective**" with invited cross-posts to *Regards Sur le Numérique* (in French), *Culture Digitally, Ethnography Matters,* and *The Huffington Post.*
- Named a "must-follow feed in Science, Culture, and Design" by *Wired*

Sandvig, C. & Schiller, D. (2010-2013). Invited co-bloggers, *The Huffington Post*. http://www.huffingtonpost.com/christian-sandvig
> **Data Dealer is Disastrous**
> **Internet Freedom Prof Denied Tenure**
> **Are Rural People Meaner?**
> **Is YouTube the Successor to Television? Or to LIFE Magazine?**
> **Does the FCC Want Our Internet Slow?**
> **Google v. China: Principled, Brave, or Business as Usual?**
> **Is Google's Spy-Fi About Privacy, or Something More?**
> **Free Flow of Information and Profit?**

Sandvig, C. (2006). **Lessons for Municipal Wireless Projects**. *Government Information Quarterly 23(3/4)*: 503-506.

Sandvig, C. (2004). **Comments Filed before the Federal Communications Commission in the Matter of Unlicensed Operation in the Band 3650-3700 MHz**. *Engineering and Technology Docket 04-151.*

Sandvig, C. (2003, April 4). **Expand Unlicensed Spectrum**. *The Position of the Computer Professionals for Social Responsibility.* CPSR Position Paper.

Sandvig, C. (2000, Summer). **Understanding a Domain Name Policy Gone Wrong**. *The Newsletter of the Computer Professionals for Social Responsibility, 18*(3).

Sandvig, C. (1995, October). **Upgrade Our Local Governments: Civics, Community, and CMC.** *Computer-Mediated Communication Magazine, 2*(10): 7-10.

COMMENTARY REPRINTED IN TRANSLATION

Sandvig, C. (2003, April 7). **Expandir el espectro no licenciado pero reteniendo la revisión del interés público y de los usos dedicados**. Rudy Godoy (trans.) CPSR-Peru Position Paper. CPSR-Peru: Lima, Peru.

DETAILED MEDIA PROFILES/INTERVIEWS

Seth Rosenblatt (interviewer). (2016, July 18). Q&A With Christian Sandvig. *The Parallax: Your Eye on Security News.*

Adam Jacobson (interviewer). (2016, July 13). Q&A with Christian Sandvig. */P: Slashpolicy, The Slack Community of Nerds, Mobile Devs, and Entrepreneurs.*

Kyle Polich. (interviewer). (2016, January 29). Episode #92: Auditing Algorithms. *Data Skeptic*. (Podcast.)

Benjamen Walker. (interviewer). (2014, October 6). Enchanting by Numbers. *Benjamen Walker's Theory of Everything.* (Podcast.) (Re-edited and re-released 2015 October 9.)

David Inge (host/interviewer). (2009, May 5). *Focus 580.* WILL-AM Radio (NPR affiliate).

Matthew Yapchaian (interviewer). (2005). "5 NAMES. 5 PEOPLE. 5 TERMS." *Ninth Letter 2*(2) 129-143.

Robert McChesney (host/interviewer). (2003, June 1). *Media Matters.* WILL-AM Radio (NPR affiliate).

PRESS MENTIONS/OTHER INTERVIEWS (selected)

The New York Times, Washington Post, Boston Globe, Christian Science Monitor, The Economist, The Associated Press, Reuters, National Public Radio, Slate, The Nation, New Scientist, USA Today, The Atlantic, Vox, International Business Times, Time, The Chronicle of Higher Education, Inside Higher Ed, CBS News Radio, CBC Radio, BBC Radio, Forbes, BusinessWeek, NPR Marketplace, NPR All Things Considered, Future Tense, Computerworld, Wired, Ars Technica, pandoDaily, engadget, Fusion, Real Future, CIO, IT World, TechNews, MIT Technology Review, Yahoo! Finance, The Huffington Post, ColorLines, Illinois Public Media, The Indianapolis Star, Fortune, New York Press, Postcards, Daily Illini, i-Te@ch, Indiana Daily Student, thestreet.com, Wi-Fi NetNews, WILL-AM, KMOX-AM, WBUR, Chicago Daily Herald, Observatório da Imprensa (Brazil), Le Monde (France), Agence Science-Presse (Canada), Le Vif/L'Express (Belgium), DeMorgen (Belgium), Siol (Slovenia), Profil (Austria), der Freitag (Germany), Il Foglio (Italy), Nexo Jornal (Brazil), Zero Hora (Brazil), Estadao (Brazil), Exame (Brazil), Canaltech (Brazil), Entretanto Magazine (Spain), El Confidencial (Spain), Ziuaveche (Romania), 444 (Hungary), stuff.co.nz (New Zealand), RTE Radio (Ireland), Radio National (Australia).

RESEARCH-RELATED AWARDS

2015-16   Chapter Contributor, **Best Edited Collection Award**, Society for Cinema and Media Studies (for *Signal Traffic*).

2014-15   **Steelcase Research Professorship** and Faculty Fellowship, Institute for the Humanities, University of Michigan.

2015   **Best Paper**, ACM CHI.

2014   **Best Paper Honorable Mention**, AAAI Int'l Conf. on Web & Social Media.

2012   **Campus-Wide Award for Excellence in Public Engagement**, University of Illinois at Urbana-Champaign. (For connecting research to societal problems.)

2012-13   **Resident Fellow**, Center for Advanced Study, University of Illinois at Urbana-Champaign.

2009-10   **Academic Fellow**, Berkman Center for Internet & Society, Harvard University.

2008   **Best Paper**, ACM CHI.

2008   **Faculty Fellow**, Illinois Foundry for Innovation in Engineering, University of Illinois at Urbana-Champaign, 2008-2009.

2007   **Humanities Release Time Fellowship**, Campus Research Board, University of Illinois at Urbana-Champaign, 2007-2008.

2006	**Arnold O. Beckman Fellow of the Center for Advanced Study** of the University of Illinois at Urbana-Champaign, 2006-2007.
2004	**Faculty Research Fellow**, Illinois Program for Research in the Humanities, University of Illinois at Urbana-Champaign.
2003	**Faculty Fellow**, Center for Democracy in a Multiracial Society, University of Illinois at Urbana-Champaign.
2002	Named "**Next Generation Leader in Science & Technology Policy**" in a junior faculty competition organized by Rutgers University, Columbia University, and the American Association for the Advancement of Science.
2001	John & Mary R. Markle Foundation **Information Policy Fellow**, Programme in Comparative Media Law & Policy, Oxford University.
2001	Nathan Maccoby **Graduate Fellow**, Department of Communication, Stanford University.
2000	**First prize**, graduate student research paper competition, 28th Telecommunications Policy Research Conference (TPRC) on Communication, Information and Internet Policy, Alexandria, Virginia.
2000	**Top paper**, special competition on media and the family, Mass Communication and Society Division, Association for Education in Journalism and Mass Communication annual conference, Phoenix, Arizona.
2000	**Top four student paper**, Communication and Technology Division, Int'l Communication Association annual conference, Acapulco, Mexico.
2000	Patricia and Rowland Rebele First Amendment and Media Performance **Graduate Fellowship**, Department of Communication, Stanford University.
1997	**Departmental Citation** for academic excellence, Department of Communication, University of California, Davis, USA.
1997	**Elected** Phi Beta Kappa honor society, University of California, Davis.
1996	**Award for Outstanding Achievement** in the Presentation of Undergraduate Research, Office of the Vice-Chancellor for Student Affairs, University of California, Davis.
1995	Presidential Undergraduate **Research Fellowship**, University of California.

RESEARCH GRANTS

2017-2018	Principal Investigator. "Auditing Algorithms: Adding Accountability to Automated Authority." US **National Science Foundation,** (Award Pending, $49,998).
2016-2019	Principal Investigator. "CHS: Medium: Collaborative Research: Beyond the Black Box: Understanding and Designing for User Expectations of Algorithmic Media." US **National Science Foundation**, (#IIS-1564079 & #IIS-1564041, total $1,199,225).
2012-2014	Co-Principal Investigator. "EAGER: Blackout: An Educational Experiment in Gaming the Power Grid." US **National Science Foundation**, Early Concept Grant for Exploratory Research (EAGER). (#ECCS-1242851, $99,954).
2012-2014	Principal Investigator. "What Your Infrastructure Wants: Developing the Missing Human-Infrastructure Interface." Office of the Vice Chancellor for Research, **Interdisciplinary Innovation Initiative**, University of Illinois at Urbana-Champaign ($198,902).

2012-2014	Co-Principal Investigator. "A Theory of Cognitive and Algorithmic Decision Making." College of Engineering **Strategic Research Initiative**, University of Illinois at Urbana-Champaign ($200,000).
2006-2011	Principal Investigator. "Predicting the Development of Decentralized Communication Systems." US **National Science Foundation**, Faculty Early Career Development Award (CAREER). (#IIS-0546409, $406,090).
2008-2009	Unrestricted Gift in Support of Research, People and Practices Research Group (PaPR), **Intel Research** ($25,000).
2007-2008	Principal Investigator. "Needs and Tactics for Building Community Communication Infrastructure." **Social Science Research Council**, Collaborative Grants in Media and Communications. ($7,500).
2007-2008	Principal Investigator. "The Value of Open Standards for Development." **The Internet Society**, Member Project Funding Initiative. ($10,000).
2006-2007	Grantee. "Wireless Play and Unexpected Innovation." The **MacArthur Foundation**. MacArthur Series on Digital Media and Learning: Innovative Uses and Unexpected Outcomes. ($10,000).
2003-2005	Principal Investigator. "Wireless Ad Hoc Networks: Understanding Chaotic Communication Infrastructure." US **National Science Foundation**, Digital Society & Technologies Program. (#IIS-0308269, $121,965).
2002-2004	Principal Investigator**.** "Grounding Internet Policy in Academic Research." UK **Economic and Social Research Council**. (#R451265233, £12,532).
2001-2004	Advisor. "Assistance to Self-Regulatory Bodies in Developing and Implementing Codes of Conduct" (a.k.a. "selfregulation.info"). **European Commission**, Internet Action Plan. (#IAPCODE, €720,000).
1996-2000	Research and Evaluation Team Member**. "**San Francisco Electronic Library Project." US **National Science Foundation**, Networking Infrastructure for Education Program. (#REC-9603344, $254,438).

TEACHING EXPERIENCE

COURSES

University of Michigan, Ann Arbor (2012-)
   Algorithmic Culture
      Ph.D. topical seminar in Communication Studies and Information.
   Unorthodox Research Methods
      Ph.D. research methods seminar in Communication Studies and Information.
   The First-Year Research Project
      Ph.D. required professionalization seminar in Communication Studies.
   Information in Social Systems
      Master's program in Information required introductory lecture course.
   Designing and Analyzing Social Media Feeds
      Undergraduate lecture in Information and Communication Studies.
   Behind the Digital Screen
      Undergraduate lecture/laboratory elective in Communication Studies.
   Play and Technology
      Undergraduate senior capstone seminar in Communication Studies.
   Workshop on the Information Environment
      Undergraduate required introductory course in Communication Studies.

University of Illinois at Urbana-Champaign (2002-2012)

Culture as Data
Experimental campus-wide Ph.D. seminar cross-listed and team-taught between Computer Science and Communications Research.

Introduction to Digital Media
A large freshman course designed to teach computer programming to students in media-related majors with no prior experience. Funded as part of a campus research grant from the NSF. Cross-listed between Advertising, Journalism, Media & Cinema Studies and organized by Informatics.

Play and Technology [+]
Graduate/undergraduate topical seminar in Communication and Informatics.

Internet Law & Policy
Graduate/undergraduate topical seminar in Communication.

Making the World Wireless: Service Learning in Technology Policy [+]
Graduate/undergraduate service learning elective in Communication.

Unorthodox Research Methods [+]
Ph.D. methods seminar in Communication.

Seminar on Communication Theory: Communication Technology [+]
Ph.D. topical seminar in Communication.

Communication Technology and Society [@]
Undergraduate required general education course for the area: social science.

[+] = Recipient of the teaching award "*University of Illinois List of Teachers Ranked as Excellent by Their Students*" for this class.
[@] = Selected for University of Illinois *Campus Teaching Showcase*.

Oxford University (2001-2002)

Internet Law & Policy Seminar (Socio-Legal Studies)
Economics of Information Tutorial (Stanford at Oxford Programme)

Stanford University (1998-2001)

Journalism and the Internet
Media Technologies, People, and Society (as teaching assistant)
Computers and Interfaces (as teaching assistant)
Media Economics (as teaching assistant)
Science, Technology, & Contemporary Society (as teaching assistant)
Public Policy Ethics (as teaching assistant)

INDEPENDENT STUDY [*] = Graduate Independent Study

2015   Telepresence and Human-Computer Interaction (UROP, MRC) (Ajaay Chandrasekaran, Curtis Fenner, Emily Kessler).
2015   Poverty, Public Policy, and the Internet. (Lisa Tencer, Charlotte Garrett).
2014   Exploring Interaction between Public Spaces linked by an Audio-Video Connection (UROP) (Ajaay Chandrasekaran).
2012   Podcasting and Content Syndication in Higher Education. (Kelly Delahanty). Teaching Dynamic Web Developent. (Dave Luetger).
2012   College of Liberal Arts & Sciences, B.A. Individual Plan of Study Advisor: User Experience Research & Design. (Andrew Lambert).
2011   The Internet and Innovation. (Cheol Gi Bae). [*]
2009   Communication Technology, Fine Art, & Street Art. (Stephanie Ho). Political Technology in Orwell's *1984*. (Joshua Hawthorne).

Technology Policy. (Mark Pradun).
Information Technology in NGOs. (Michael Stephens).
2008   Simulation Gaming in Education. (Mark Silverman).
2006   Communication Technology and Disability. (Ryan Croke). [*]
2006   Intro. to Science & Technology Studies (Siddhartha Raja). [*]
2005-6 Wireless Internet (05), Research Data Collection (06). (Diana Mahmood).
2005   Utopianism and Independent Media Systems. (Ryan Spain).
2003   Comm. Technology and New Media. (Jolene White).

SUMMER TEACHING

Oxford University / University of Pennsylvania Annenberg Joint Summer Institute
    in Global Media Policy, Oxford, UK. (2013, 2011, 2010, 2008, 2007, 2005).
University of Amsterdam Digital Methods Initiative Summer School (2011).
Oxford University, Summer Doctoral Programme in Internet Studies. (2011, 2010,
    2004, 2003).
Oxford University, Media Law Advocates Programme. (2003, 2002).
Central European University, ICT Policy Training Programme. (2003).
Peking University, Summer Program on Media Law. (2002).

ADVISING AND EXAMINATION

Postdoctoral Advisor/Mentor:
Jean-Christophe Plantin, 2013-2015. (Communication Studies/Information).
        Now: Assistant Professor, London School of Economics

Graduate Advisor / Thesis Director:
Megan Steiner, current Ph.D. student. (Communication Studies)
Darren Stevenson, Ph.D., 2016. (Communication Studies)
        Now: Analytics and Strategy Consultant, PwC
Julia Lange, Ph.D., 2015. (Communication Studies)
        Now: Adjunct Professor, Santa Monica College
Colin Rhinesmith, Ph.D., 2014. (Library & Information Science)
        Now: Assistant Professor, University of Oklahoma
Cheol Gi Bae, Ph.D., 2013. (Media & Communications Research)
        Now: Director, Convergence Research Group, Korea Telecom
Aimee Rickman, Ph.D., 2013. (Human and Community Development)
        Now: Assistant Professor, California State University Fresno
Sijia Yang, M.A., 2012. (Communication)
        Now: Ph.D. student, University of Pennsylvania
Siddhartha Raja, Ph.D., 2011. (Communication)
        Now: Senior Policy Analyst, World Bank
Ryan Croke, M.A., 2007. (Communication)
        Now: Associate Chancellor, University of Illinois at Springfield
John Christopher McDowell, M.A., 2005. (Communication)
        Now: Owner, Bluemark Media & Advertising

Ph.D. Thesis Committee:
Motahare Eslami, current Ph.D. student. (Computer Science)
Ben Peterson, 2016. (Political Science)

Yu Won Oh, 2015. (Communication Studies)
Shinjoung Yeo, Ph.D., 2014. (Library & Information Science)
Seung Mo Jang, Ph.D., 2014. (Communication Studies)
Soo Young Bae, Ph.D., 2014. (Communication Studies)
Matt Crain, Ph.D., 2013 (Media & Communications Research)
Ian Hill, Ph.D., 2012. (Communication)
John Anderson, Ph.D., 2011. (Media & Communications Research)
Eric Gilbert, Ph.D., 2010. (Computer Science)

M.A. Thesis Committee:
Guangyan Wang, M.A. 2011. (Landscape Architecture)

Comprehensive Examination Committees:
Kristen Guth, M.A. 2012. (Communication)
Natalie White, M.A. 2012. (Communication)
Jinseok Kim, M.A. 2012. (Communication)
Kamilla Kovacs, M.A. 2008. (Communication)
Kristin Drogos, M.A. 2005. (Communication)
Amanda Hinkle, M.A., 2004. (Communication)
Michelle Gabris, M.A., 2003. (Communication)

INDUSTRY EXPERIENCE

RELEVANT PAST EMPLOYMENT:
2000-2001   **Programmer**, Software Engineering Group, Digital Integrity, Inc.,
San Mateo, CA.
1997-2000   **Programmer**, Workgroup Technology Team, ARAMARK Corporation,
Philadelphia, PA.

TECHNICAL SKILLS

Spatial Analysis and Visualization (ArcGIS, GeoDA, PostGIS, Google Earth)
Statistical Analysis (SPSS, S, R)
Database Design (SQL, MySQL, PostgreSQL)
Scripting/System Integration (sh, Perl)
Web Development (HTML, CSS, PHP, JavaScript, Drupal)
Visualization (Processing)

SERVICE

STUDENT SERVICE

2010-2012 Faculty Advisor, Informatics Club

DEPARTMENTAL SERVICE

2016-2017   Chair, Search Committee, Evans Professorships (School of Information and
Communication Studies).

2012-	Member, Laboratory Committee (Communication Studies).
2015-2016	Chair (elected), Ad Hoc Evans Endowment Committee (School of Information and Communication Studies).
2011-2013	Member, Faculty Advisory Committee, Program for Research in the Humanities.
2011-2012	Member, Ph.D. Governance, Admissions, and Program of Study Review Committee (Informatics).
2011-2012	Chair, Awards Committee (Coordinated Science Laboratory).
2010-2012	Member (elected), Faculty Advisory Committee (Media & Cinema Studies).
2010-2011	Chair, Awards Committee (Communication).
2009	Chair, Institutional Review Board for the Protection of Human Subjects (Communication).
2008-2009	Chair (elected), Committee on Alleged Capricious Grading (Communication).
2007-2009	Member, Graduate Admissions Committee (Communication).
2007-2009	Member, Faculty Advisory Committee (Informatics).
2007-2008	Co-Chair, Colloquium Committee (Communication).
2007-2012	Member, Steering Committee (Science & Technology Studies).
2007	Member, Ad Hoc Undergraduate Curriculum Revision Committee (Communication).
2005-2006	Chair (elected), Committee on Alleged Capricious Grading (Communication).

SCHOOL / COLLEGE SERVICE

2017-2018	Member (elected), Dean's Advisory Committee (School of Information).
2016	Member, Ad Hoc Diversity, Equity, and Inclusion Strategic Planning Task Force (School of Information).
2015	Member, Diversity Committee (School of Information).

UNIVERSITY SERVICE

2013-2014	Member, Executive Committee, University of Michigan Press.
2012	Member, Administrative Committee on Campus Information Technology Governance.
2010-2011	Co-Chair (appointed), "The Year of Social Media" Cross Campus Initiative.
2010-2011	Member, Multidisciplinary Summit Planning Committee, Office of the Vice Chancellor for Research.
2009	Member, Search Committee for the Director, Cross-Campus Institute for Computing in Humanities, Arts, and Social Science.
2008	Member, Search Committee for the Campus Director of Research and Teaching Technology.
2007-2008	Member, Ad Hoc Committee to Develop a Ph.D. in Informatics.
2008	Member, Ad Hoc Committee to Develop a B.S./B.A Degree in Cultural Informatics.

EDITORIAL SERVICE

Associate Editor:
   The Information Society (Taylor & Francis.)

Editorial Boards:

Games and Culture: A Journal of Interactive Media. (Sage).
Human Communication Research. (International Communication Association).
Info: The Journal of Policy, Regulation, and Strategy for Telecommunications (Emerald).
Journal of Information Policy (Penn State).
Journal of the Association for Information Science and Technology (ASIS&T).
Social Media + Society (Sage).

Ad Hoc Article Reviewer:

Atlantis. (Institute for the Study of Women.)
Australian Journal of Telecommunications and the Digital Economy (Aus. Telecom. Assn.)
Big Data & Society (Sage.)
The Communication Review. (Routledge.)
Communication Theory. (Int'l Communication Association.)
Communications of the ACM. (Association for Computing Machinery.)
Culture and Policy (U. of Queensland)
Critical Studies in Media Communication. (Int'l Communication Assn.)
Developmental Psychology. (American Psychological Association.)
Government Information Quarterly (Elsevier Science.)
IEEE Communications (IEEE.)
Information, Communication, and Society. (Routledge.)
Information Technologies and International Development. (MIT Press.)
International Journal of Communication. (USC.)
Journal of Communication (Int'l Communication Association.)
Journal of Community Informatics (CCIRDT.)
Journal of Comparative Policy Analysis. (Int'l Comparative Policy Analysis Forum.)
Journal of Computer-Mediated Communication. (Int'l Communication Association.)
Journal of Law, Technology, and Policy (University of Illinois Law School.)
Media, Culture & Society. (Sage.)
New Media & Society. (Sage.)
Telecommunications Policy. (Elsevier Science.)
Telematics and Informatics. (Elsevier Science.)

Ad Hoc Book Manuscript Reviewer:

Central European University Press.
Duke University Press.
Harvard University Press.
MIT Press.
NYU Press.
Oxford University Press.
Routledge (USA).
Sage.
Thomson-Wadsworth Higher Education.
University of Illinois Press.
University of Toronto Press.

FOUNDATION/ RESEARCH COUNCIL SERVICE

Proposal Reviewer:

US National Science Foundation, Directorate for Social, Behavioral, and Economic Sciences
(SBE) and Directorate for Computer & Information Science (CISE)
US National Telecommunications and Information Administration (NTIA)

UK Economic and Social Research Council
Canadian Social Science Research Council
Fundação para a Ciência e a Tecnologia, Portugal
John & Mary R. Markle Foundation

Funding Panelist:
US National Science Foundation, Directorate for Computer & Information Science (CISE).

Program Development Workshops:
US National Science Foundation, Enhanced Access to the Radio Spectrum (EARS).
US National Science Foundation, Global Environment for Networking Innovations (GENI).

PROFESSIONAL ASSOCIATION AND CONFERENCE SERVICE

Conference Chair:
Program Co-Chair, 2015 AAAI **International Conference on Web and Social Media** (ICWSM). May 2015. Oxford, UK: Oxford University.

Program Co-Chair, Pohs Endowment Workshop: "**Inspirations from Unusual Sources**."August 2004. Ann Arbor, MI: University of Michigan.

Program Chair, **4th Annual CSLS Conference on Law and Anthropology**: "Ethnographies of the Internet: Grounding Regulation in Lived Experience**,"** March 2002. Oxford, UK: Oxford University.

Conference Program Committees:
ACM / ICA Web Science (WebSci). 2011
Conference on Communication, Information, & Internet Policy (TPRC).
    2008, 2009, 2010, 2011.
Int'l AAAI Conference on Weblogs and Social Media (ICWSM). 2012, 2013, 2014, 2015,
    2016.
IEEE Dynamic Spectrum Access Networks (DySpan). 2008, 2009.
IEEE International Symposium on Technology and Society (ISTAS). 2011.

Conference Paper Reviewer:
ACM Computer-Supported Cooperative Work (CSCW), 2016.
ACM Human Factors in Computing Systems (CHI), 2012-.
ACM Designing Interactive Systems (DIS), 2016.
Assn. for Educ. in Journalism and Mass Comm., Comm. Technology Division, 2001.
AoIR Internet Research (IR). 2003, 2015.
Conference on Communication, Information, & Internet Policy (TPRC). 2008-2011.
Int'l Communication Association, Communication Law & Policy Division. 2001-.
IEEE International Symposium on Technology and Society. 2012.
New America Foundation Broadband Adoption Workshop. 2012.

Other Association/Conference Committee Service:
2015-   **Steering Committee**, Int'l AAAI Conference on Weblogs and Social
             Media (ICWSM).
2001-2003 Member, **Task Force on the Status and Future of Ph.D. Education**,
             Association for Education in Journalism and Mass Communication.

PUBLIC AND OTHER SERVICE

2012-2013	State of Illinois **Broadband Deployment Council**.
2003-2010	Policy Advisory Board, **Champaign-Urbana Community Wireless Network.** Champaign-Urbana, IL.
2002-2009	Advisory Board, **Resource Center for Cyberculture Studies**, Dept. of Media Studies, University of San Francisco.
2003-2004	Advisory Board, **The Wireless Commons Coalition**. New York, NY.
1996-1997	Chair, **Ad Hoc Committee on Content Policy**, Davis Community Network.
1995-1997	Member, **Information Provider Committee**, Davis Community Network.
1996	**University Award for Outstanding Contributions to Campus Life**, Office of the Vice-Chancellor for Student Affairs, University of California, Davis.

SERVICE AS AN EXTERNAL REVIEWER

Ph.D. Program Research Respondent:
University of Toronto. (for doctoral research.)

Reappointment, Promotion, and/or Tenure Reviews:
Cornell University.
Pennsylvania State University.
University of North Carolina at Chapel Hill.
University of Toronto.
University of Utah.

PROFESSIONAL AFFILIATIONS

International Communication Association (ICA).
Association for Computing Machinery (ACM).
Society for the Social Studies of Science (4S).

REFERENCES

Available upon request.