

# CHRISTIAN SANDVIG

Shorter Curriculum Vita

15 August 2016

Professor, School of Information  
University of Michigan, Ann Arbor  
5385 North Quad, 105 S. State St.  
Ann Arbor, MI 48019-1285  
USA

tel.: +1 (734) 763-0861  
fax: +1 (734) 764-3288  
e-mail: csandvig@umich.edu  
www: <http://www.niftyc.org/>

## 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
- 2012-16 **Associate Professor**, School of Information and  
Dept. of Communication Studies, College of Literature, Science, & the Arts  
**University of Michigan, Ann Arbor**
- 2011-12 Founder and **Co-Director**, Center for People & Infrastructures
- 2002-12 **Associate and Assistant (02-08) Professor**, Dept. of Communication, Liberal Arts & Sciences  
Dept. of Media & Cinema Studies, College of Media  
Institute of Communications Research, College of Media  
Coordinated Science Laboratory, College of Engineering  
**University of Illinois at Urbana-Champaign**
- 2001-02 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 International 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

### 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.

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): 2371-2382.

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. (in press). **When the Algorithm Itself is a Racist: Diagnosing Ethical Harm in the Basic Components of Software**. *International Journal of Communication*.

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. (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**

- 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: S. P. Gangadharan (ed.), *Data and Discrimination*, 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 Ewiiapaayp 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.

#### REFEREED CONFERENCE PAPERS (last 10 years only)

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

Sandvig, C. (2016, May). **Glass Boxing -- Diagnosing and Responding to Algorithmic Harms**. 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 (IC<sup>2</sup>S<sup>2</sup>), 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 15<sup>th</sup> 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 Entrapment.** 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.

#### INVITED LECTURES (selected lectures; last 10 years only)

- 2016. Institute for the Humanities, **University of Michigan.** (keynote address.)
- 2016. **Association of Internet Researchers (AoIR)**, Berlin, Germany. (invited plenary roundtable.)
- 2016. **International Communication Association**, Fukuoka, Japan. (theme roundtable.)
- 2016. Robert M. Pockrass Memorial Lecture, **Pennsylvania State University.**
- 2016. South by Southwest (**SXSW**) Interactive, Austin, TX, USA. (panel.)
- 2015. Department of Media & Communications, **University of Sydney.**
- 2015. Faculty of Law, **University of New South Wales.**
- 2015. Department of Humanities, **Illinois Institute of Technology.**
- 2015. South by Southwest (**SXSW**) Interactive, Austin, TX, USA. (panelist.)
- 2015. Information Law Institute, **New York University.** (panelist.)
- 2014. The Center for Media, Data and Society; **Central European University.**
- 2014. Connect Michigan/**Michigan Public Service Commission.** (panelist.)
- 2014. Graduate School of Journalism, **Columbia University.** (panelist.)
- 2014. **New America Foundation**, Washington, D.C. (co-authored with D. Stevenson.)
- 2014. Berkman Center for Internet & Society, **Harvard University.**
- 2014. Microsoft Faculty Summit, **Microsoft Research.** (panelist.)
- 2014. “Design at Large” Lecture Series, **University of California, San Diego.**
- 2014. **University of Pennsylvania** Law School.
- 2012. **ROFLCon III: The Conference of Internet Culture**, Cambridge, MA, USA. (panelist.)
- 2012. Berkman Center for Internet & Society, **Harvard University.** (panelist.)
- 2012. South by Southwest (**SXSW**) Interactive, Austin, TX, USA. (panelist.)
- 2011. Media Lab, **Massachusetts Institute of Technology.**
- 2011. South by Southwest (**SXSW**) Interactive, Austin, TX, USA. (panelist.)
- 2011. Communication Studies, **Wilfred Laurier University.**
- 2010. Harvard Business School, **Harvard University.**
- 2010. Department of Communication, **University of California, Santa Barbara.**
- 2010. **ROFLCon II: The Conference of Internet Culture.** (panelist.)
- 2010. Berkman Center for Internet & Society, **Harvard University.**
- 2010. School of Information, **University of Michigan.**
- 2010. Information Society Project, **Yale University.**
- 2009. Sloan School of Management, **Massachusetts Institute of Technology.**
- 2009. **Fundação para a Ciência e a Tecnologia**, Porto, Portugal.
- 2008. Wharton School of Business, **University of Pennsylvania.**
- 2008. Department of Radio-Television-Film, **University of Texas at Austin.**
- 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.**
- 2007. School of Information and Communication, **Nanyang Technological University**, Singapore.

- 2007. **National Telecommunications Commission**, Thailand.
- 2006. Wharton School of Business, **University of Pennsylvania**.
- 2006. Faculty of Information Studies, **University of Toronto**.
- 2006. King's College, **Cambridge University**. (panelist.)
- 2006. Oxford Internet Institute, **Oxford University**. (panelist.)
- 2006. Department of Communication Arts, **University of Wisconsin-Madison**.
- 2006. Department of Communication Studies, **University of California, Los Angeles**.
- 2006. Department of Communication, **University of Illinois at Chicago**.
- 2006. **Museum of Contemporary Art**, Chicago, USA. (panelist.)

## COMMENTARY AND INTERVIEWS

### WRITTEN COMMENTARY

Freelance **Op-Ed** contributor, *Wired*, *The Guardian*, *The Huffington Post*. (ongoing.)

Extensive ongoing **blogging** at *The Social Media Collective* with invited cross-posts to *Regards Sur le Numérique* (French), *Multicast*, *Ethnography Matters*, *Culture Digitally*.

**Detailed Profiles/Q&As** in *The Parallax*; *Data Skeptic*; */P: Slashpolicy*, *The Slack Community of Nerds*, *Mobile Devs*, and *Entrepreneurs*; *Benjamin Walker's Theory of Everything*; *WILL-AM Radio* (NPR affiliate); *Ninth Letter*; *Media Matters*.

**Academic Commentary** in *Government Information Quarterly*, *The Newsletter of the Computer Professionals for Social Responsibility*, *Computer-Mediated Communication Magazine*.

### PRESS MENTIONS/OTHER INTERVIEWS (selected)

The New York Times, Washington Post, The Economist, The Associated Press, Reuters, National Public Radio, Slate, The Nation, The Atlantic, Time, The Chronicle of Higher Education, CBS News Radio, CBC Radio, BBC Radio, Forbes, BusinessWeek, NPR Marketplace, NPR All Things Considered, Future Tense, Computerworld, Wired, Ars Technica, pandoDaily, engadget, MIT Technology Review, Le Monde (France), RTE Radio (Ireland), Radio National (Australia).

## RESEARCH-RELATED AWARDS (selected)

- 2014-15 **Steelcase Research Professorship**.
- 2012 **Campus-Wide Award for Faculty Excellence in Public Engagement**.
- 2012-13 **Resident Fellowship**, Center for Advanced Study, University of Illinois at Urbana-Champaign.
- 2009-10 **Academic Fellow**, Berkman Center for Internet & Society, Harvard University.
- 2006-07 **Arnold O. Beckman Fellow of the Center for Advanced Study** of the 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 Fellowship**, Oxford University.
- 1997 **Elected** Phi Beta Kappa honor society, University of California, Davis.



**RESEARCH GRANTS** (last 10 years only)

- 2016-2019 PI. “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-PI. “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 PI. “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-PI. “Cognitive and Algorithmic Decision Making.” College of Engineering **Strategic Research Initiative**, University of Illinois at Urbana-Champaign (\$200,000).
- 2006-2011 PI. “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 PI. “Needs and Tactics for Building Community Communication Infrastructure.” **Social Science Research Council**, Collaborative Grants in Media and Communications. (\$7,500).
- 2007-2008 PI. “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).

**TEACHING EXPERIENCE**

University of Michigan, Ann Arbor (2012-)

**Algorithmic Culture**  
**Unorthodox Research Methods**  
**The First-Year Research Project**  
**Information in Social Systems**  
**Play and Technology**  
**Designing and Analyzing Social Media Feeds**  
**Behind the Digital Screen**  
**Workshop on the Information Environment**

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

**Culture as Data**  
**Introduction to Digital Media**  
**Play and Technology**  
**Internet Law & Policy**  
**Making the World Wireless: Service Learning in Technology Policy**  
**Unorthodox Research Methods**  
**Seminar on Communication Theory: Communication Technology**  
**Communication Technology and Society**

Oxford University (2001-2002)

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

20+ independent study students, and 1 self-designed major (in User Experience).

Taught in 15+ summer programs at Oxford University, University of Amsterdam, Central European University, and Peking University.

### ADVISING AND EXAMINATION

#### **Doctoral or Postdoctoral Advisor / Thesis Director:**

Darren Stevenson, Ph.D., 2016. (Communication Studies)  
Now: Analytics and Strategy Consultant, PwC

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

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 Committees:**

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)

### **INDUSTRY EXPERIENCE**

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

### **SERVICE**

Available upon request.

### **REFERENCES**

Available upon request.