

**Katie Shilton**  
College of Information Studies  
University of Maryland  
Room 4121H Hornbake Building  
College Park, MD 20742  
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**DEGREES**

**PhD**, Information Studies, University of California Los Angeles, 2011  
**MLIS**, University of California Los Angeles, 2007  
**B.A.**, Oberlin College, 2003

**ACADEMIC  
APPOINTMENTS**

**University of Maryland College Park College of Information Studies**  
Associate Professor, 2016-present  
Assistant Professor, 2011-2016

**REFEREED  
JOURNAL  
PUBLICATIONS**

21 publications, a majority first- or single-authored, for audiences in ethics, science and technology studies, media studies, computer science, and information studies.

Nicholas, J., Shilton, K., Schueller, S. M., Gray, E. L., Kwasny, M. J., & Mohr, D. C. (2019). The Role of Data Type and Recipient in Individuals' Perspectives on Sharing Passively Collected Smartphone Data for Mental Health: Cross-Sectional Questionnaire Study. *JMIR MHealth and UHealth*, 7(4), e12578. <https://doi.org/10.2196/12578>

Shilton, K. & Greene, D. (2019). Linking Platforms, Practices, and Developer Ethics: Levers for Privacy Discourse in Mobile Application Development. *Journal of Business Ethics*, 155(1), 131-146.

Shilton, K. (2018). Engaging Values Despite Neutrality: Challenges and Approaches to Values Reflection During the Design of Internet Infrastructure. *Science, Technology & Human Values*, 43(2), 247-269.

Greene, D. & Shilton, K. (2017). Platform Privacies: Governance, Collaboration, and the Different Meanings of 'Privacy' in iOS and Android Development. *New Media & Society* (online first).

Vitak, J., Proferes, N., Shilton, K. & Ashktorab, Z. (2017). Ethics Regulation in Social Computing Research: Examining the Role of Institutional Review Boards. *Journal of Empirical Research on Human Research Ethics* (online first).

Shilton, K., Burke, J.A., Claffy, K.C., & Zhang, L. (2016). Anticipating Policy and Social Implications of Named Data Networking. *Communications of the ACM*, 59(12), 92-101.

Martin, K. & Shilton, K. (2016). Putting Mobile Application Privacy in Context: An Empirical Study of Consumer Privacy Expectations for Mobile Devices. *The Information Society*, 32(3), 200-216.

Shilton, K. (2015). Anticipatory Ethics for a Future Internet: Analyzing Values During the Design of an Internet Infrastructure. *Science and Engineering Ethics*, 21(1), 1-18.

Martin, K. & Shilton, K. (2015). Why Experience Matters to Privacy: How Context-Based Experience Moderates Consumer Privacy Expectations for Mobile Applications. *Journal of the Association for Information Science and Technology*, 67(8), 1871-1882.

Krontiris, I., Langheinrich, M. & Shilton, K. (2014). Trust and Privacy in Mobile Experience Sharing - Future Challenges and Avenues for Research. *IEEE Communications*, 52(8), 50-55.

- Mun, M. Y., Kim, D. H., Shilton, K., Estrin, D., Hansen, M., & Govindan, R. (2014). PDVLoc: A Personal Data Vault for Controlled Location Data Sharing. *ACM Transactions on Sensor Networks*, 10(4).
- Shilton, K., Koepfler, J. & Fleischmann, K. (2013). Charting Sociotechnical Dimensions of Values for Design Research. *The Information Society*, 29(5), 259-271.
- Shilton, K. (2013). Values Levers: Building Ethics into Design. *Science, Technology & Human Values*, 38(3), 374-397.
- Shilton, K. (2012). Participatory Personal Data: An Emerging Research Challenge for the Information Sciences. *Journal of the American Society for Information Science & Technology*, 63(10), 1905–1915.
- Kang, J., Shilton, K., Estrin, D., Burke, J., & Hansen, M. (2012). Self-Surveillance Privacy. *Iowa Law Review*, 97(3), 809-847.
- Shilton, K. (2010). Participatory Sensing: Building Empowering Surveillance. *Surveillance & Society*, (special issue on Surveillance and Empowerment), 8(2), 131-150. (ASIST Social Informatics Best Student Paper Award, 2011).
- Shilton, K. & Srinivasan, R. (2007). Participatory Appraisal and Arrangement for Multicultural Archival Collections. *Archivaria*, 63, 87-101.

**Invited Refereed Journal Publications**

- Martin, K., Shilton, K., & Smith, J. (In press). Business and the ethical implications of technology. *Journal of Business Ethics*.
- Shilton, K. (2018). Values and Ethics in Human-Computer Interaction. *Foundations and Trends in HCI*, 12(2), 107-171.
- Shilton, K. & Anderson, S. (2017). Blended, not Bossy: Ethics Roles, Responsibilities, and Expertise in Design. *Interacting with Computers*, (special issue on Co-Constructing Meaning: Ethics Matter(s) in Design Research), 29(1), 71-79.
- Jaeger, P., Cooke, N., Feltis, C., Hamiel, M., Jardine, F. & Shilton, K. (2015). The Virtuous Circle Revisited: Injecting Diversity, Inclusion, Rights, Justice, and Equity into LIS from Education to Advocacy. *The Library Quarterly*, Special Issue: Diversity and Library Information Science Education, 85(2), 150-171.
- Shilton, K. (2009). Four billion little brothers?: privacy, mobile phones, and ubiquitous data collection. *Communications of the ACM*, 52(11), 48-53.

**REFEREED  
CONFERENCE  
PROCEEDINGS**

17 papers, authored with colleagues and students, for audiences in social computing, information systems, human-computer interaction, and computer science.

- Snyder, J., & Shilton, K. (2019). Spanning the Boundaries of Data Visualization Work: An Exploration of Functional Affordances and Disciplinary Values. *Proceedings of the 2019 iConference*. College Park, MD: IEEE.
- Bowser, A., Shilton, K., Warrick, E., & Preece, J. (2017). Accounting for Privacy in Citizen Science: Ethical Research in a Context of Openness. *Proceedings of the 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2017)*, Portland, OR: ACM.
- Vitak, J., Shilton, K., and Ashktorab, Z. (2016). Beyond the Belmont Principles: Ethical Challenges, Practices, and Beliefs in the Online Data Research Community. *Proceedings of*

*the 19th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2016)*, San Francisco, CA: ACM.

Shilton, K. & Sayles, S. (2016). Ethical Practices and Challenges in Research on Digital and Social Media. *Proceedings of the 49th Hawaii International Conference on System Sciences (HICSS 2016)*. Kauai, HI: IEEE. (Nominated for a best paper award).

Snyder, J., Shilton, K. & Anderson, S. Observing The Materiality of Values in Information Systems Research. *Proceedings of the 49th Hawaii International Conference on System Sciences (HICSS 2016)*. Kauai, HI: IEEE. (Nominated for a best paper award).

Shilton, K., Koepfler, J. & Fleischmann, K. (2014). How to See Values in Social Computing: Methods for Studying Values Dimensions. *Proceedings of the 17th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2014)*, Baltimore, MD: ACM.

Shilton, K. & Martin, K. (2013). Mobile Privacy Expectations in Context. *Proceedings of the 41th Research Conference on Communication, Information and Internet Policy (TPRC 2013)*, Arlington, VA.

Shilton, K. & Koepfler, J. (2013). Making Space for Values: Communication & Values Levers in a Virtual Team. *Proceedings of the 6th International Conference on Communities & Technologies (C&T 2013)*, Munich, Germany: ACM.

Koepfler, J., Shilton, K. & Fleischmann, K. (2013). A stake in the issue of homelessness: Identifying values of interest for design in online communities. *Proceedings of the 6th International Conference on Communities & Technologies (C&T 2013)*, Munich, Germany: ACM.

Jaeger, P., Bertot, J. C. and Shilton, K. (2012). Access Perspectives and Design Values in Government Social Media Usage. *Proceedings of the 13th International Digital Government Research Conference (dgo 2012)*, College Park, MD: ACM.

Shilton, K. (2010). Technology Development with an Agenda: Interventions to Emphasize Values in Design. *Proceedings of the Annual Meeting of the American Society for Information Science & Technology (ASIS&T)*, Pittsburgh, PA: ACM.

Mun, M., Hao, S., Mishra, N., Shilton, K., Burke, J., Estrin, D., Hansen, M., & Govindan, R. (2010). Personal Data Vaults: a locus of control for personal data streams. *Proceedings of the 6th International Conference on emerging Networking Experiments and Technologies (CoNEXT)*, Philadelphia, PA: ACM.

Reddy, S., Shilton, K., Denisov, G., Cenizal, C., Estrin, D., & Srivastava, M. (2010). Biketastic: Sensing and Mapping for Better Biking. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI 2010)*, Atlanta, GA: ACM.

Shilton, K., Burke, J., Estrin, D., Hansen, M., Govindan, R., & Kang, J. (2009). Designing the Personal Data Stream: Enabling Participatory Privacy in Mobile Personal Sensing. *Proceedings of the 37th Research Conference on Communication, Information and Internet Policy (TPRC)*, Arlington, VA.

Mun, M., Reddy, S., Shilton, K., Yau, N., Burke, J., Estrin, D., Hansen, M., Howard, E., West, R., Boda, P. (2009). PEIR, the personal environmental impact report, as a platform for participatory sensing systems research, In *Proceedings of the International Conference on Mobile Systems, Applications, and Services*, Krakow, Poland.

Shilton, K., Ramanathan, N., Reddy, S., Samanta, V., Burke, J., Estrin, D. Hansen, M., & Srivastava, M. (2008). Participatory design of sensing networks. *Proceedings of the 10<sup>th</sup> Conference on Participatory Design (PDC)*, Bloomington, IN: ACM.

Srinivasan, R., & Shilton, K. (2006). The South Asian web: an emerging community information system in the South Asian diaspora. *Proceedings of the 9th Conference on Participatory Design: Expanding Boundaries in Design*, Trento, Italy: ACM.

## **BOOK CHAPTERS**

Collections in privacy, big data, and technology ethics.

Proferes, N. and Shilton, K. (2018). Web Architecture and Values in the Stack: Exploring the Relationship between Internet Infrastructure and Human Values. In Plaisance, P. (Ed.), *Handbook of Communication Ethics*. Berlin: De Gruyter Mouton.

Martin, K. and Shilton, K. (2018). Mobile Privacy Expectations: How Privacy is Respected in Mobile Devices. In Selinger, E., Polonetsky, J. and Tene, O. (Eds.), *The Cambridge Handbook of Consumer Privacy*. Cambridge, UK: Cambridge University Press.

Shilton, K. (2016). When They Are Your Big Data: Participatory Data Practices as a Lens on Big Data. In Sugimoto, C., Ekbia, H., and Mattioli, M. (Eds.), *Big Data is Not a Monolith*. Cambridge, MA: MIT Press, 21-30.

Shilton, K. (2013). This is an Intervention: Foregrounding and operationalizing ethics during technology design. In Kenneth Pimple (Ed.), *Emerging Pervasive Information and Communication Technologies (PICT): Ethical Challenges, Opportunities and Safeguards*. London: Springer, 177-192.

Jaeger, P. T., Bertot, J. C., & Shilton, K. (2012). Information policy and social media: Framing government-citizen Web 2.0 interactions. In Reddick, C. & Aikins, S. (Eds.), *Web 2.0 Technologies and Democratic Governance: Political, Policy & Management Implications*. London: Springer, 11-25.

## **WORKSHOP PROCEEDINGS**

Refereed short papers on emerging research.

Oard, D. W., Shilton, K., & Lin, J. J. (2016). Evaluating Search Among Secrets. In *Proceedings of the Seventh International Workshop on Evaluating Information Access (EVIA 2016)* (pp. 21–24). Tokyo, Japan.

Shilton, K., Kurtz, M., Ambacher, B., Mitchell, E., Oard, D. & Weeks, A. (2013). Bridging by Design: The Curation and Management of Digital Assets Specialization at the University of Maryland. *Proceedings of Framing the Digital Curation Curriculum*, Florence, Italy.

## **NON-REFEREED CONFERENCE PROCEEDINGS**

Early work shared with interdisciplinary colleagues.

Shilton, K., Wickner, A., Lin, J. & Oard, D. (2017). Protecting Secrets in Email: Archival Views on Challenges and Opportunities. *Proceedings of PC4DS: The First International Workshop on Privacy-sensitive Collections for Digital Scholarship*, Montreal, Canada.

Shilton, K. (2014). Anticipatory Ethics for Emerging Information Technologies: Techniques and Challenges. *Proceedings of Computer Ethics: Philosophical Inquiry (CEPE)*, Paris, France.

## **PROFESSIONAL PUBLICATIONS**

White papers for general audiences.

Shilton, K., Burke, J., Claffy, K.C., Duan, C., & Zhang, L. (2014). A World on NDN: Affordances & Implications of the Named Data Networking Future Internet Architecture. NDN Technical Reports, Los Angeles, CA.

Shilton, K. & Estrin, D. (2012). Ethical Issues in Participatory Sensing. *CORE Issues in Professional and Research Ethics*, 1. University of Illinois.  
<https://nationalethicscenter.org/content/article/177>

Shilton, K. (2009). Four billion little brothers? Privacy, mobile phones, and ubiquitous data collection. *ACM Queue*, 7(7).

Goldman, J., Shilton, K., Burke, J. Hansen, M., Ramanathan, N., Reddy, S., Samanta, V. Srivastava, M., West, R. (2009). Participatory Sensing: A citizen-powered approach to illuminating the patterns that shape our world. Woodrow Wilson International Center for Scholars, Washington, DC.

Nguyen, L. & Shilton, K. (2008). Tools for Digital Humanists. In Sorich, D., *A Survey of Digital Humanities Centers in the United States*. Council on Library and Information Resources, Washington, D.C

Shilton, K., Burke, J., Estrin, D., Hansen, M., & Srivastava, M. (2008). Achieving Participatory Privacy Regulation: Guidelines for CENS Urban Sensing. Center for Embedded Network Sensing Technical Reports, Paper 62, Los Angeles, CA.

## CREATIVE WORKS

Burke, J., Shilton, K., & Acker, A. (2012). ReCoding Innovation: Ethics as a Creative Force in Science & Engineering. Served as a co-author and host, funded by the National Science Foundation IIS-1033026. Available at <http://recodinginnovation.org/>.

Educational short film.

## SPONSORED RESEARCH

\$4 million to UMD (over \$6 million across institutions) from government and private sources, including an NSF Large and a CAREER award.

**PI: CHS: Large: Collaborative Research: Pervasive Data Ethics for Computational Research**, National Science Foundation, Award IIS-1704369. Co-PIs Matthew Bietz, Casey Fiesler, Jacob Metcalf, Arvind Narayanan, Jessica Vitak & Michael Zimmer, Sep 2017-Aug 2021, UMD: \$903,209.

**PI: CCE STEM: Standard: Collaborative: The Development of Ethical Cultures in Computer Security Research**, National Science Foundation, Award SES-1634509. Co-PIs Megan Finn, Jevin West, & Franziska Roesner, Sep 2016-Aug 2020, UMD: \$163,768.

**Co-PI: III: Small: Safely Searching Among Sensitive Content**, National Science Foundation, Award IIS-1618695, PI Douglas Oard, co-PI Jimmy Lin, Sep 2016-Aug 2019, UMD: \$516,000.

**PI: CAREER: Finding Levers for Privacy and Security by Design in Mobile Development**, National Science Foundation, Award CNS-1452854, Sep 2015 – Aug 2020, UMD: \$499,139.

**PI: CCE STEM: Cultivating Ethical Computing in Mobile and Wearable Application Research & Development**, National Science Foundation, Award SES-1449351, co-PIs Susan Winter and Adam Porter, Jan 2015-Dec 2018, UMD: \$605,753.

**Co-PI: SAVI: Collaborative Research: Fostering New Collaborations in Open Online Community Data Research**. National Science Foundation, Award IIS-1449188, PIs Sean Goggins and Susan Winter, co-PI Brian Butler, Aug 2014-Jul 2016, UMD: \$104,996.

**PI: NeTS: Small: Collaborative Research: From Intentional to Enacted Values in a Future Internet Architecture: Values in the Next Phase of Named Data Networking**

**Research**, National Science Foundation, Award CNS-1421876, co-PI Jeffrey Burke, Oct 2014 – Sept 2017, UMD: \$273,032.

**PI: EAGER: Privacy in Citizen Science: An Emerging Concern for Research & Practice**, National Science Foundation, Award SES-1450625, co-PIs Anne Bowser and Jennifer Preece, Sep 2014 – Aug 2016, UMD: \$181,047.

**Co-PI, INSPIRE Track 2: Public Health, Nanotechnology, and Mobility (PHeNoM)**, National Science Foundation, (subaward from Cornell University) Award CBET-1343058, PI David Erickson, co-PIs Aydogan Ozcan, Deborah Estrin, Tanzeem Choudhury, and Saurabh Mehta, Sep 2014 – Aug 2019, UMD: \$459,861.

**PI: Values in the Design of the Named Data Networking Architecture**, National Science Foundation, Supplement to Award CNS-1040868, Sep 2011 – Aug 2014, UMD: \$148,056.

**PI: Security Beliefs and Emerging Internet Architectures**, Verisign, Dec 2015, UMD: \$25,000.

**PI: Valuing Privacy and Security: Understanding Privacy and Security Choices in Mobile Application Development**, Google Faculty Research Award, Sep 2014, UMD: \$44,044.

**PI: Mobile Privacy Expectations in Context**, University of Maryland ADVANCE Program, Co-investigator Kirsten Martin, Period: Apr 2014 – Mar 2015, UMD: \$27,700.

## FELLOWSHIPS

**Faculty Lilly Fellow**, University of Maryland's Center for Teaching Excellence, 2013.

**Women's Institute in Summer Enrichment Fellowship**, Team for Research in Ubiquitous Secure Technology (TRUST) Institute, Carnegie Mellon University, travel award, 2011

**UCLA Collegium of University Teaching Fellows**, 2009.

## RESEARCH AWARDS

**Semester Research and Teaching Award**, University of Maryland, September 2017, \$10,000.

**Research prize**: University of Oxford, Observatory on Responsible Research and Innovation in ICT, 2013.

**Summer Research and Teaching Award**, University of Maryland, June 2012, \$9000.

**ASIST Social Informatics Best Student Paper Award**, 2011. Awarded for the paper "Participatory Sensing: Building Empowering Surveillance."

**iConference Best Poster Award**, 2011. Awarded for the poster "Building Values into the Design of Pervasive Mobile Technologies."

**UCLA Information Studies Best Dissertation Proposal Award**, 2009.

**Best paper**, 4th International Symposium on Location and Context Awareness, 2009. Awarded for the paper "Using Context Annotated Mobility Profiles to Recruit Data Collectors in Participatory Sensing," coauthored with Sasank Reddy.

## TEACHING AWARDS

**Students' Choice Faculty Award**, University of Maryland, College of Information Studies, 2014.

## **SELECTED TALKS**

International presentations on technology ethics.

### **Keynote Addresses**

PRIM&R Social, Behavioral, and Educational Research (SBER) Conference, Boston, MA, November 2019.

“Intervening in Big Data Futures: Values and Practices for Pervasive Ethics.” Canadian Association for Information Science (CAIS), Regina, Canada, May 2018.

“Mobile Technologies, Data, & Adolescents’ Academic, Social, & Moral Lives.” 11th Annual C3 (Cyberethics, Cybersafety & Cybersecurity) Conference, College Park, MD, October 2012.

### **Invited Talks**

“Challenges where Standards Design Meets Human Rights.” Symposium on Designing an Ethical Web, The Web Conference (WWW). San Francisco, CA, May 2019.

“Intervening in Big Data Futures: Values and Practices for Pervasive Ethics,” iSchool speaker series, University of Texas at Austin, March 2018.

“Privacy and Pervasive Sensing: Frameworks for Design,” UCLA Depression Grand Challenge Symposium, UC Los Angeles, February 2018.

Ethics Panel, PRIS&M Health Symposium, UC San Francisco, December 2017.

Respondent, 2017 BLCT Privacy Lecture, UC Berkeley School of Law, November 2017.

Platforms and Data Cultures: Contrasting Privacy Discourses in Mobile Application Development. Data & Society Small Group Meeting, New York, NY, October 2016.

"I'm very concerned regarding the privacy of my users:" Influences on Privacy as a Professional Practice in Mobile Application Development. Hale Ethics Lecture Series, Rochester Institute of Technology, Rochester, NY, May 2016.

Data ethics in software development: How mobile app developers do privacy. iSchool Research Conversation, University of Washington, Seattle, WA, February 2016.

Emerging Ethics Norms in Social Media Research. Future of Privacy Forum workshop "Beyond IRBs: Designing Ethical Review Processes for Big Data," Washington, DC, December 2015.

Towards Privacy Self-Governance in the Mobile Sector. Princeton Center for Information Technology Policy Seminar Series, Princeton, NJ, December 2015.

Ethics Self-Governance in the Mobile Sector. University of California, Berkeley I School Dean's Lecture Series, Berkeley, CA, October 2015.

Ethics Discourse in the Mobile Sector. Indiana University Information and Library Science Colloquium, Bloomington, IN, October 2015.

Ethics, Rights, Data Management. Researching Ferguson Teach-In Series, College Park, MD, April 2015.

STS Data Sharing Systems. NSF Data Management Workshop, Washington, DC, January 2015.

Participant-observation and intervention in computer ethics. Plenary panel: Celebrating 30 years of Computer Ethics, Computer Ethics: Philosophical Inquiry (CEPE) 2014, Paris, France, June 2014.

How Trust Impacts Privacy Expectations for Mobile Apps. Future of Privacy Forum Academic Workshop, Washington, DC, April 2014.

Social Justice: From Education to Advocacy. Plenary panel: Symposium on Diversity in LIS Education, College Park, MD, April 2014.

Big data, categories and fairness. Plenary Panel: NSF Workshop on Social, Economic and Workforce Implications of Big Data Analytics and Decision-Making, Washington, DC, January 2014.

Participatory Sensing and Social Justice. Plenary at the My Life, Shared: Trust and Privacy in the Age of Ubiquitous Experience Sharing seminar, Schloss Dagstuhl, Germany, July 2013.

Finding Values Levers in the Design of Emerging Technologies. Digital Dialogue talk, Maryland Institute for Technology in the Humanities (MITH), College Park, MD, April 2013.

Participatory Personal Data. 2012 Summer Social Webshop, College Park, MD, August 2012.

Ethics in Mobile Sensing Research. PRIM&R Advancing Ethical Research Conference, National Harbor, MD, December 2011.

Teaching Ethics in the Lab: Values Levers in Design. Arizona State University Congress on Teaching the Social and Ethical implications of Research, Tempe, AZ, November 2011.

Participatory Sensing: Building Empowering Surveillance. American Society for Information Science & Technology Special Interest Group Social Informatics (SIG SI) Workshop, New Orleans, LA, October 2011.

Social Justice and the Design of Mobile Sensing Systems. State of Science & Justice: Conversations in Honor of Susan Leigh Star, Santa Cruz, CA, June 2011.

Participating in Privacy: Enabling Disclosure and Discretion in Mobile Sensing. Harvard University's Center for Research on Computation and Society seminar series, Cambridge, MA, April 2009.

Because the Stakes are Higher: Ethics in Participatory Urban Sensing. UCLA CENS Seminar Series, Los Angeles, CA, January 2008.

### **Refereed Presentations**

Fiesler, C., Bruckman, A., Kraut, R., Muller, M., Munteanu, C., & Shilton, K. (November 2018.) CSCW Research Ethics & Regulation Town Hall. 21st ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2018), Jersey City, NJ.

Shilton, K. (October 2015). Ethical praxis during design of a future Internet architecture. Annual Meeting of the Society for Social Studies of Science (4S 2015), Denver, CO.

Neal, J. & Shilton, K. (April 2012). Theorizing Future Internet Architectures: Values in the Design of Named Data Networking. Theorizing the Web Conference, College Park, MD.

Shilton, K. (October 2009). Personalized Discovery or iSurveillance? Ethics and Innovation in Mobile Sensing. Annual Meeting of the Society for Social Studies of Science (4S), Washington, D.C.



Shilton, K. (August 2008). Ethics in the Digital Archive: Balancing Privacy, Participation, and Representation. 72nd Annual Meeting of the Society of American Archivists, San Francisco, CA.

Shilton, K., Burke, J., Estrin, D., Hansen, M., & Srivastava, M. (April 2008). Participatory Privacy in Urban Sensing. MODUS 2008, St. Louis, MO.

Shilton, K. (March 2008). Privacy and Participation in Ubiquitous Information Systems: Information Ethics When Mobile Phones are Sensors. Third Annual iConference: iFutures: Systems, Selves, Society, Los Angeles, CA.

Shilton, K. (October 2007). Forgetting and the Browser: Technologies of Attention and Forgetting in Public Reading Rooms. Annual Meeting of the Society for Social Studies of Science, Montreal, Canada.

## TEACHING

Experience in classroom, blended, and online formats.

### University of Maryland

**INST 888: Doctoral Seminar**, classroom, Fall 2019.

**INST 641: Ethics and Policy in Digital Curation**, classroom, online, and hybrid. Spring 2014- Spring 2020.

**INST 610: Information Ethics**, online. Fall 2013- 2016.

**INST 612: Information Policy**, classroom, online and hybrid. Fall 2011, Spring 2012-2013.

**INST 605: Archival Principles, Practices and Programs**, classroom. Fall 2012-2013.

**INST 810: Doctoral Research**, Independent study. Fall 2012- present.

### University of California, Los Angeles

**Mobile Technologies: Participation and Surveillance**. Classroom. Spring 2010.

## CURRICULUM DEVELOPMENT

Design and revision of courses to meet the changing needs of iSchool students.

### Major Programs Established

**MLS/MIM specialization:** Co-lead the design and implementation of a new specialization in Curation and Management of Digital Assets.

**Professional education:** Assisted development of a post-master's certificate program in Curation and Management of Digital Assets.

### Course or Curriculum Development

**UMD INST 888: Doctoral Seminar**, 2017. Led the redesign of this course to emphasize theories of knowledge and diverse ways of knowing in information studies.

**UMD INST 641-CT: Policy Issues in Digital Curation**, 2013. Led the design of this new course for both post-master's certificate program students.

**UMD INST 641: Policy Issues in Digital Curation**, 2013. Led the design of this new course for both MLS and MIM degree students.

**UMD INST 645: Personal Digital Curation**, 2013. Led the design of this new course for both MLS and MIM degree students.

**UMD INST 791: Applying Principled Inquiry**, 2011. Assisted in developing topics and suggesting readings for this new MLS core course.

## ADVISING

Chair and committee member for interdisciplinary scholars now in academic and industry research.

### Postdoctoral

Sarah Gilbert, 2018-present.

Quinn Dupont, 2017-2019. Assistant professor, University College Dublin.

Nicholas Proferes, 2015-2017. Assistant professor, University of Kentucky.

### Doctoral

Lisa Federer, *Who, what, when, where, and why: Quantifying and understanding biomedical data reuse*. (2019). College of Information Studies. Adviser. Data Science and Open Science Librarian, Office of Strategic Initiatives, Office of the Director, National Library of Medicine.

Jes A. Koepfler, *Values and self-presentation in online communication by stakeholders related to homelessness*. (2014). College of Information Studies. Adviser. Chief UX Researcher, EY- Intuitive, Philadelphia PA.

Amy Wickner, PhD student, 2016-present, co-adviser.

Karen Boyd, PhD student, 2015-present, adviser.

Donal Heidenblad, PhD student, 2012-2018, adviser.

Zahra Ashktorab, *Designing Cyberbullying Prevention and Mitigation Tools* (2017). College of Information Studies. Dissertation committee member.

Daniel Greene, *The Promise of Access: Hope and Inequality in the Information Economy* (2016). American Studies. Dissertation committee member.

Chad Doran, *Examination of the Management of Social Media Records at a Federal Executive Agency* (2015). College of Information Studies. Dissertation committee member.

Susan Copeland Wilson, *e-Government Meets the Poverty Threshold: Issues for the Economically Disadvantaged* (2014). College of Information Studies. Dissertation committee member.

Dana Rotman, *Collaborative Science Across the Globe: The Influence of Motivation and Culture on Volunteers in the United States, India and Costa Rica* (2013). College of Information Studies. Dissertation committee member.

## PROFESSIONAL SERVICE

Leadership in international journals, conferences, and scholarly organizations.

### Editorial Boards

Editorial Board member, *Science, Technology & Human Values*, 2018 – present.

Editorial Board member, *The Library Quarterly*, 2012-2014.

Editorial Board member, *Interactions: UCLA Journal of Education and Information Studies*, 2006 – 2011.

Editorial Board member, *Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives*. IGI Press, 2010.

### Editorships

Thematic symposium editor (2018). *Journal of Business Ethics*, Special Issue on Technology, Ethics and Corporate Responsibility. With Kirsten Martin and Jeffrey Smith.

Special issue editor (2015). *The Library Quarterly*, Special Issue on Information and Social Justice: Connecting Values, Ethics, and Human Rights. With Paul T. Jaeger and Jessica A. Koepfler.

#### **Advisory Board Memberships**

**Chair**, ACM SIGCHI working group on research ethics, 2019 - present. (Member 2016-present).

**Steering committee member**, Consortium for the Science of Sociotechnical Systems (CSST), 2015-present.

**Associate Director**, University of Maryland Center for the Study of Business Ethics, Regulation, and Crime (C-BERC), 2018 – present.

**Advisory board member**, UCLA Depression Grand Challenge, 2018-present.

**Advisory board member**, Electronic Privacy Information Center (EPIC), 2016 – present.

**Advisory board member**, Understanding and Evaluating Ethical Engineering Practice, Purdue University, 2017 - present.

**Advisory board member**, Connected and Open Research Ethics (CORE), 2016 - present.

**Member**, Values in Design Council for Future Internet Architectures (FIA) – Next Phase, 2014-2017.

#### **Leadership Roles in Meetings and Conferences**

**Program committee member**, 2018 W3C Workshop on Permissions and User Consent.

**Program committee member**, 2018 International Workshop on Privacy Engineering (IWPE).

**Co-organizer**, “Sociotechnical Approaches to Privacy and Data Protection,” series of three panels for the 2017 Annual Meeting of the Society for Social Studies of Science & Technology (4S).

**Co-Chair**, 2017 Hawaii International Conference on System Sciences mini-track on Values, Politics & Power in Digital Infrastructures.

**Co-Chair**, Value-Based ICT Innovation and Design track, 2016 European Conference on Information Systems.

**Program committee member**, 2015 Workshop on Small Data Experimentation (sdX): Opportunities, Challenges, and Infrastructure. New York, NY.

**Executive committee member**, 2013 Personal Digital Archiving Conference, College Park, MD.

**Co-Chair**, ASIS&T Student Design Competition, 2011 and 2012.

**Planning committee Member**, 2010 Workshop on Ethical Guidance for Research and Application of Pervasive and Autonomous Information Technology (PAIT). Bloomington, IN.

#### **Reviewing Activities for Journals and Presses**

*Information, Communication & Society*, 2018.

The MIT Press, 2015-2018.

*New Media & Society*, 2012-2018.

*Ethics and Information Technology*, 2012-2018.

*Journal of Business Ethics*, 2016-2018.  
*Science & Engineering Ethics*, 2014-2018.  
*Science, Technology & Human Values*, 2013-2017.  
*The Information Society*, 2012-2017.  
*Big Data & Society*, 2016-2017.  
*Journal of Empirical Research on Human Research Ethics*, 2016.  
*Internet Policy Review*, 2016.  
*Journal of the American Society for Information Science & Technology (JASIST)*, 2013-2016.  
*Transactions on Computer-Human Interaction*, 2015-2016.  
*Communication Theory*, 2015.  
*Social Studies of Science*, 2015.  
*The Library Quarterly*, 2015.  
*Interacting with Computers*, 2015.  
*Human-Computer Interaction Journal*, 2015.  
*Surveillance & Society*, 2012-2014.  
Polity Press Digital Media & Society series, 2013.  
*Government Information Quarterly*, 2013.  
*Journal of Systems and Software*, 2011.  
*InterActions: UCLA Journal of Education & Information Studies*, 2006-2011.

#### **Reviewing Activities for Conferences**

ACM GROUP, 2019.  
ACM Computer-Supported Cooperative Work (CSCW), 2011-2019. Special recognition for reviewing, 2017.  
ACM Computer-Human Interaction (CHI), 2012-2019. Special recognition for reviewing, 2016.  
HICSS, 2018.  
Security/Privacy Track, Grace Hopper Celebration of Women in Computing, 2016.  
Participatory Design Conference, 2008, 2012, and 2014.  
iConference, 2008-2012.  
Computer Ethics: Philosophical Enquiry, (CEPE 2014), 2014.  
ASIS&T metareviewer, 2014.  
ASIS&T Social Informatics SIG Best Paper Award, 2013.  
18th Americas Conference on Information Systems, 2012.  
ASIST, 2011.

#### **Reviewing Activities for Agencies and Foundations**

European Research Council, ad-hoc reviewer, 2019.  
National Science Foundation, ad-hoc reviewer, 2016, 2017, 2018.  
National Science Foundation, panel reviewer, 2012, 2014, 2015, 2016.  
U.S. Department of Health and Human Services, Administration for Community Living, National Institute on Disability, Independent Living, and Rehabilitation Research, panel reviewer, 2016.  
Israel Science Foundation, ad-hoc reviewer, 2015.  
IWT-Flanders (Belgian Agency for Innovation in Science and Technology), ad-hoc reviewer, 2014 and 2015.  
UMD ADVANCE Seed grant program, ad-hoc reviewer, 2014.  
Austrian Science Fund (FWF), ad-hoc reviewer, 2014.

**Other**

McGannon Center at Fordham University Book Award, 2015. Served on the review committee for this award focused on social and ethical relevance in communications policy research.

**ISCHOOL  
SERVICE**

Emerging leader in the UMD iSchool's academic initiatives.

**Doctoral program chair**, 2016-present.

**Chair**, Center for Advances in Data Measurement committee, 2019-present.

**Faculty mentor** to Drs. Ricardo Punzalan, Yla Tausczik, and Jessica Vitak. Records preparation committee (tenure review) chair for Jessica Vitak, 2018.

**Director**, Center for the Advanced Study of Communities and Information (CASCI), 2015-2017. A multidisciplinary research network to facilitate research and education that advances our understanding of technology, information, and organization approaches to support learning, facilitate innovation, transform science and scholarship, promote economic development, and enhance individual and civic well-being.

**Theory reading group organizer**, 2013-2015, Center for the Advanced Study of Communities and Information (CASCI).

**EXTERNAL  
CONSULTING**

Advising for tech ethics education.

Consultant for Ethical Resolve, 2017-present. Projects included ethics training for Facebook employees.

Consultant on cybersecurity and cyberethics education, Calvert Hall College High School, Baltimore, MD, 2013.