

Kathleen H. Pine

Curriculum Vitae

Assistant Professor
College of Health Solutions
Arizona State University
440E Health South
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EDUCATION

- University of California, Irvine**, Irvine, CA September 2012
Ph.D. Social Ecology with a concentration in Environmental
Analysis and Design.
Committee: Martha Feldman (chair), Daniel Stokols, Scott
Bollens, Michael Montoya, Ellen Olshansky
- The Ohio State University**, Columbus, OH December 2003
B.A. Psychology (magna cum laude)
Minor in Natural Resources Management

PROFESSIONAL EXPERIENCE

- Assistant Professor**, Arizona State University, College of Health
Solutions, School for the Science of Health Care Delivery 2016-present
- Academic Coordinator**, Salton Sea Initiative, University of
California, Irvine 2015-2016
- Assistant Project Scientist**, University of California, Irvine 2014-2016
Donald Bren School of Information and Computer
Sciences, Department of Informatics
- Postdoctoral Research Engineer**, Intel Labs User Experience 2013-2014
Research (UXR) Group, Cultural Transformation Lab (CTL)
- Postdoctoral Researcher**, University of California, Irvine Intel 2012-2013
Science and Technology Center for Social Computing
Supervisors: Melissa Mazmanian and Paul Dourish

PUBLICATIONS

- ‡ Indicates publications in which candidate's mentored students are co-authors.
- Names with a double plus sign (++) show specific graduate scholars under mentorship.

Peer-Reviewed Journal Articles

(Impact factor noted = five-year impact factor for the journal)

Claus Bossen, Yunan Chen, and Kathleen H. Pine. (Forthcoming). The Emergence of New Data Work Occupations in Healthcare: The Case of Medical Scribes. *International Journal of Medical Informatics*. (Impact Factor: 3.378)

Kathleen H. Pine. (Forthcoming). Contingencies of Administrative Data Work in Healthcare: Qualitative Practices of Medical Coders and Birth Certificate Clerks. *Health Informatics Journal*. (Impact Factor: 1.848)

Kathleen H. Pine and Melissa Mazmanian. (2017). Artful and Contorted Coordinating: Ramifications of Imposing Formal Logics of Task Jurisdiction on Situated Practice. *Academy of Management Journal*, 60(2) 720-742. (Impact Factor: 7.417)

Kathleen H. Pine, Rufus Edwards, Omar Masera, and Horacio Riojas-Rodríguez. (2012). Adoption and Use of Improved Biomass Stoves in Rural Mexico. *Energy for Sustainable Development*, 15, 176-183. (Impact Factor: 3.62)

Shalini Misra, Daniel Stokols, Richard H. Harvey, Kathleen H. Pine, Juliana Fuqua, Said M. Shokair, and John M. Whiteley. (2009). Evaluating an Interdisciplinary Undergraduate Training Program in Health Promotion Research. *American Journal of Preventive Medicine*, 36, 358-365. (Impact Factor: 4.527)

Peer-Reviewed Conference Proceedings

*In the tradition of Computer Science, peer-reviewed archival conference proceedings are considered a primary publication venue in Human Centered Computing disciplines. These papers are rigorously peer reviewed and, if not rejected following initial review, go through a revision (revise & resubmit) cycle before final acceptance. Thus, conference proceedings in Human Centered Computing are comparable in both content and review process to peer-reviewed journal articles in other, journal-based disciplines. Long papers are 7,000-10,000 words; short papers are 3,000-6,000 words. Conference proceedings do not have impact factors, therefore acceptance rates are sometimes used as an indicator of the prestige of conferences. Below, I have noted conference acceptance rates where acceptance rates were published publicly, thus available.

Long Papers

‡Xinning Gui++, Yunan Chen, and Kathleen H. Pine. (2018) Navigating the Healthcare Service “Black Box”: Individual Competence and Fragmented Systems. *Proceedings of ACM Conference on Computer Supported Cooperative Work 2018*. (Acceptance rate: 25%)

‡Xinning Gui++, Yubo Kou, Yu Chen, Yunan Chen, and Kathleen H. Pine. (2018). Investigating Support Seeking from Peers for Pregnancy in Online Health Communities. *Proceedings of ACM Conference on Computer Supported Cooperative Work 2018*. (Acceptance rate: 25%)

‡Yubo Kou, Xinning Gui++, Yu Chen, Kathleen H. Pine, and Yunan Chen. (2018). Conspiracy Talk on Social Media: Collective Sensemaking during a Public Health

- Crisis. *Proceedings of ACM Conference on Computer Supported Cooperative Work 2018*. (Acceptance rate: 25%)
- ‡Xinning Gui++, Yubo Kou, Kathleen H. Pine, Elisa Ladaw, Harold Kim, Eli Suzuki-Gill, and Yunan Chen. (2018). Multidimensional Risk Communication: Public Discourse on Risks during an Emerging Epidemic. *Proceedings of the Conference on Human Factors in Computing Systems 2018*. (Acceptance rate: 25%)
- Kathleen H. Pine. (2017). eScience Insights to Inform Infrastructure for Accountability of Healthcare. In *Infrahealth, Proceedings of the 6th International workshop on Infrastructures in Healthcare 2017*.
- ‡Xinning Gui++, Yubo Kou, Kathleen H. Pine, and Yunan Chen (2017). Managing Uncertainty: Using Social Media for Risk Assessment during a Public Health Crisis. *Proceedings of the Conference on Human Factors in Computing Systems 2017*. ***Winner, Honorable Mention for Best Paper at CHI 2017**. (Acceptance rate: 25%)
- ‡Kathleen H. Pine, Christine Wolf++, and Melissa Mazmanian (2016). The Work of Reuse: Birth Certificate Data and Healthcare Accountability Measurements. *Proceedings iConference 2016*. ***Winner, 2016 Lee Dirks Award for Best Paper**.
- Kathleen H. Pine and Max Liboiron. (2015). The Politics of Measurement and Action. *Proceedings of the ACM Conference on Human Factors in Computing Systems 2015*. ***Winner, Honorable Mention for Best Paper at CHI 2015**. (Acceptance rate: 25%)
- Kathleen H. Pine and Melissa Mazmanian. (2015). Emerging Insights on Building Infrastructure for Data-Driven Transparency and Accountability of Organizations. *Proceedings iConference 2015*.
- Yunan Chen and Kathleen H. Pine (2014). When medical Expertise Meets Record Expertise: the Practices of Patient-Accessible Medical Records in China. *Proceedings of the Conference on Design of Cooperative Systems 2014*.
*authors made equal contributions.
- Kathleen H. Pine and Melissa Mazmanian. (2014). Institutional Logics of the EMR and the Problem of 'Perfect' but Inaccurate Accounts. *Proceedings of Computer Supported Cooperative Work 2014*. (Acceptance rate: 27%)
- Sunyoung Park, Kathleen H. Pine, and Yunan Chen. (2013). Local- universality: Designing EMR to Support Localized Informal Documentation Practices. *Proceedings of Computer Supported Cooperative Work 2013*. (Acceptance rate: 36%)
- Kathleen H. Pine. (2012). Fragmentation & Choreography: Caring for a Patient and a Chart during Childbirth. *Proceedings of Computer Supported Cooperative Work 2012*, 887-896. (Acceptance rate: 28%)

Short Papers

- Enrico Maria Piras, Federico Cabitza, Gunnar Ellingsen, Claus Bossen, and Kathleen H. Pine (2016). Exploring Data-Work in Healthcare: Making Sense of Data across Boundaries. *Proceedings of the Conference on Design of Cooperative Systems 2016*.
- Caitlin Lustig, Kathleen H. Pine, Bonnie Nardi, Lilly Irani, Min Kyung Lee, Dawn Nafus, and Christian Sandvig (2016). Algorithmic Authority: The Ethics, Politics, and Economics of Algorithms that Interpret, Decide, and Manage. *Proceedings of the ACM Conference on Human Factors in Computing Systems 2016*.
- Claus Bossen, Kathleen H. Pine, Gunnar Ellingsen, and Federico Cabitza (2016). Data-work in Healthcare: The New Work Ecologies of Healthcare Infrastructures. *Proceedings of Computer Supported Cooperative Work 2016*.

Book chapters

- Kathleen H. Pine and Christine Morton. (Forthcoming). Sustainable Metrics: Using Measurement Based Quality Improvement to Improve Practice while Avoiding Frustration and Pitfalls. Chapter in *Sustainable Birth*, eds. Kim Gutschow & Robbie Davis-Floyd, Springer.

Technical & White Papers

- Kathleen H. Pine, Kailey Love, & William Riley. (2018). Strategies for Stabilizing and Strengthening the Individual Insurance Market: State of Arizona. Technical report prepared for USC-Brookings Schaffer Center for Health Policy. *Content from this technical report was included in 'Stabilizing and Strengthening the Individual Health Insurance Market: A View from Ten States,' a USC-Brookings Schaffer Center for Health Policy White Paper by Mark Hall (available at <https://www.brookings.edu/research/stabilizing-and-strengthening-the-individual-health-insurance-market/>).*
- Kathleen H. Pine. (2016). Data sharing in health research: focus on pharmaceutical science and drug discovery. Technical Report prepared for Intel Health.
- Christine H. Morton, Kathleen H. Pine, Jessica Turon, and Elliott K. Main (2016). Lessons from the Initiative to Reduce Early Elective Deliveries in California and the United States. A California Maternal Quality Care Collaborative White Paper. November, 2016. Palo Alto, CA: CMQCC. (Available at www.cmqcc.org)

Peer Reviewed Submissions Under Review and in Development

Manuscripts in Preparation for Submission to Peer-Reviewed Journals

‡Ehsan Sabaghian++, Kathleen H. Pine, and Murali Venkatesh. Connecting the Dots to Intelligible Action: Citizen Activism and Air Quality Monitoring. Submission planned to Big Data and Society in winter 2019.

‡ Kasey Boehmer, Kathleen H. Pine, Samantha Whitman++, Bjoerg Thorsteindottir, and Victor Montori. How Patients with High and Low Illness Intrusiveness Navigate Dialysis Treatment. Submission planned to a medical journal (TBD) in winter 2019.

‡ Samantha Whitman++, Kathleen H. Pine, Kasey Boehmer, and Victor Montori. The Patient Work of Dialysis Treatment. Submission planned to TOCHI in winter 2019.

Kathleen H. Pine & Melissa Mazmanian. Organizing for Data: Crafting Data Elements for Algorithmic Management. Submission planned to a management journal (TBD) in spring 2019.

Kathleen H. Pine and Melissa Mazmanian. Constructing and Governing 'Quality' Healthcare. Submission planned to a management journal (TBD) in spring/summer 2019.

GRANTS

Funded Projects as PI or Multiple PIs

- 1. Funding Agency:** ASU-Mayo Collaborative Seed Grant Program, ID: FP00012777
Dates: January 2017-December 2018
Role: Pine (ASU PI) & Montori (Mayo PI)
Title: Patient-Centered Exploration and Innovation to Understand and Ease the Burden of Dialysis Treatment.
Amount: \$50,000
This grant provides funding for pilot research (needed to apply for a large NIH grant) on the navigation practices that dialysis patients use to maneuver the healthcare system as part of receiving their essential care and to explore interventions to support these navigation practices, resulting in lower treatment burden. Funds support an ASU graduate student, Mayo personnel, and travel costs for data collection and analysis. PI salaries are not covered.
- 2. Funding Agency:** NSF/HCC (1319897)
Dates: September 2013-August 2016
Role: Pine (Co-PI), Mazmanian (PI)
Title: HCC Small: Creating a Data-Driven World: Situated Practices of Collecting, Curating, Manipulating, and Deploying Data in Healthcare.
Amount: \$500,000.
This grant is for a multi-sited ethnographic study of the entire 'lifecycle' of data and data-driven quality improvement in healthcare organizations that spans

hospital and policy organizations. This grant provided salary for myself, a graduate student, a research assistant, and the PI as well as travel and equipment.

3. **Funding Agency:** AHRQ/Dissertation Fellowship Grant (1R36HS020753-01)

Dates: September 2011-August 2012

Role: Pine (PI)

Title: Implementation of Electronic Medical Records for Documentation: Implications for Efficiency and Safety of Workflow in Labor & Delivery.

Amount: \$40,000

This grant provided salary, benefits, and equipment to carry out my dissertation research.

Funded Projects as Co-Investigator

1. **Agency:** Robert Wood Johnson Foundation

Dates: August 2018-July 2020

Role: Pine (Co-I); Riley (PI)

Title: Exploring Mechanisms to Facilitate Goal Alignment and Goal Attainment Among Multisector Stakeholders

Amount: \$1,000,000

This grant funds phase 2 of the Systems for Action project, a project that aims to facilitate goal alignment and attainment between multi-sector stakeholders in behavioral healthcare delivery through participatory action research and interactive data visualization. Grant funds cover salary for myself and the other co-Is, co-PIs, PI, graduate students and a research assistant, as well as participant meetings, use of the Decision Theater, and equipment.

2. **Funding Agency:** Styrelsen for Forskning og Innovation/International research planning grant

Dates: January 2017-December 2018

Role: Pine (Co-I), Bossen (PI)

Title: Data-driven quality improvement and management in healthcare

Amount: \$41,121

This grant provided support for six international collaborators, 3 from Denmark and 3 from the U.S., to hold two workshops (one in the U.S. and one in Denmark) and plan research on the topic of the grant. This grant did not provide salary support.

Grants Submitted but not Funded

1. **Agency:** NSF/CHS

Submission: 2017

Role: Pine (PI); Chen (co-PI)

Title: CHS: Small: Collaborative Research: Understanding and Designing for Individuals' Navigation Practices in Healthcare

Amount: \$500,000

2. **Agency:** NSF/S&CC
Submission: 2017
Role: Pine (PI)
Title: S&CC Preliminary Proposal Track 2: From information to action: creating data fluent and politically effective communities through participatory air quality sensing
Amount: \$1,000,000
3. **Agency:** NSF/CHS
Submission: 2016
Role: Pine (co-PI); Chen (PI)
Title: CHS: Small: Understanding and Designing for Individuals' Navigation Practices in Healthcare
Amount: \$500,000
4. **Agency:** NSF/CHS
Submission: 2015
Role: Pine (PI); Chen (co-PI)
Title: CHS: Small: Understanding and Designing for Individuals' Navigation Practices in Healthcare
Amount: \$500,000

HONORS AND AWARDS

- Best Presentation Award, Davis Conference on Qualitative Research (2018)
- Team Leadership Academy, Arizona State University
- Honorable Mention (runner-up for Best Paper, top 5% of all papers), ACM Conference on Human Factors in Computing Systems (2017)
- Lee Dirks Award for Best Paper, iConference (2016), \$5,000
- Honorable Mention (runner-up for Best Paper, top 5% of all papers), ACM Conference on Human Factors in Computing Systems (2015)
- Graduate Student Fellow, Center for Organizational Research, University of California, Irvine (2012), \$1,000
- Dean's Dissertation Writing Fellowship, University of California, Irvine (2011), \$8,000
- Public Impact Award, University of California, Irvine, Graduate Division (2011), \$10,000
- Dean's Dissertation Data Gathering Fellowship, University of California, Irvine (2010), \$8,000
- Graduate Student Fellow, Center for Organizational Research, University of California, Irvine (2009), \$750
- Graduate Student Outstanding Mentor Award, School of Social Ecology, University of California, Irvine (2006)

CONFERENCE PRESENTATIONS

International

- Kathleen H. Pine. eScience Insights to Inform Infrastructure for Accountability of Healthcare. 6th International workshop on Infrastructures in Healthcare. Aarhus, Denmark, June 2017.
- Kathleen H. Pine. Physician Attribution of Low-Risk Cesarean Sections. Connections in Action: Keeping Track of Large Social Phenomena using Relational and 'Micro-sociological' approaches. Warwick University, Coventry, UK, December 2016.
- Kathleen H. Pine. Physician Attribution of Low-Risk Cesarean Sections. 4S/EASST, Barcelona, Spain, September, 2016.
- Kathleen H. Pine. Data-driven Accountability Measurement in Hospitals: Attributing Low-Risk Cesarean Sections. Presented at the 'Ethnography of the Future' Workshop. Academy of Management Annual Meeting, Vancouver, BC August 2015.
- Kathleen H. Pine and Max Liboiron. The Politics of Measurement and Action. ACM Conference on Human Factors in Computing Systems, Seoul, South Korea, May 2015.
- Yunan Chen and Kathleen H. Pine. When medical Expertise Meets Record Expertise: the Practices of Patient-Accessible Medical Records in China. Conference on Design of Cooperative Systems, Nice, France, May 2014.
- Kathleen H. Pine. The Choreography of Organizational Routines: Exploring Physical and Temporal Dimensions of Labor & Delivery Nursing Work. European Group for Organizational Studies Annual Meeting 2013, Montreal, Canada, June 2013.
- Kathleen H. Pine. Infrastructure and Action: Making Do in the Shifting Material Ecology of a Hospital. Society for Social Studies of Science annual conference, Copenhagen, Denmark, October 2012.
- Kathleen H. Pine. Birth Re-Written as an Organizational Event: Nursing Routines for Documentation. The 5th International Normal Labour and Birth Research Conference. Vancouver, British Columbia, July 2010

National/Local

- Kathleen H. Pine and Melissa Mazmanian. Painting a false picture in high definition: attributing Cesarean Sections to individual clinicians. IFIP WG 8.2 Working Conference on Information Systems and Organizations, Information Systems & Organizations Conference, San Francisco, California, December 2018.
- Xinning Gui, Yunan Chen, and Kathleen H. Pine. Navigating the Healthcare Service "Black Box": Individual Competence and Fragmented Systems. Conference on Computer Supported Cooperative Work, Jersey City, New Jersey, November 2018.
- Xinning Gui, Yubo Kou, Kathleen H. Pine, Elisa Ladaw, Harold Kim, Eli Suzuki-Gill, and Yunan Chen. Multidimensional Risk Communication: Public Discourse on Risks

- during an Emerging Epidemic. Conference on Computer Supported Cooperative Work, Jersey City, New Jersey, November 2018.
- Xinning Gui, Yubo Kou, Yu Chen, Yunan Chen, and Kathleen H. Pine. (forthcoming). Investigating Support Seeking from Peers for Pregnancy in Online Health Communities. Conference on Computer Supported Cooperative Work, Jersey City, New Jersey, November 2018.
- Kathleen H. Pine and Melissa Mazmanian. The Performance of Quality in Healthcare Organizations. Academy of Management Annual Meeting, Chicago, IL, August 2018.
- Kathleen H. Pine and Melissa Mazmanian. Constructing and Governing 'Quality' Healthcare. Davis Conference on Qualitative Research, UC Davis, March 2018.
- Kathleen H. Pine and Melissa Mazmanian. Constructing and Governing 'Quality' Healthcare. 4S, Boston, MA, September 2017.
- Xinning Gui, Yubo Kou, Kathleen H. Pine, and Yunan Chen. Managing Uncertainty: Using Social Media for Risk Assessment during a Public Health Crisis. Conference on Human Factors in Computing Systems, Denver, CO, May 2017.
- Kathleen H. Pine, Victoria Lowersen, and John Dobbins. Managing and Co-creating Risk in Planning and Implementing the Mitigation and Adaptation of the Salton Sea: Public Health, Ecology, and Politics. Society for Applied Anthropology, Santa Fe, New Mexico, March 2017.
- Kathleen H. Pine, Christine Wolf, and Melissa Mazmanian. The Work of Reuse: Birth Certificate Data and Healthcare Accountability Measurements. iConference, Philadelphia, PA, March 2016.
- Kathleen H. Pine and Melissa Mazmanian. Emerging Insights on Building Infrastructure for Data-Driven Transparency and Accountability of Organizations. iConference, Newport Beach, CA, March 2015.
- Arden Stern and Kathleen H. Pine. Co-Creating Methods and Practices: Understanding Collaborations between Ethnographers and Designers in Academic Social Impact Projects. AIGA Design Educators Conference, Portland, OR, September 2014.
- Kathleen H. Pine and Christine Morton. Understanding the Landscape of Maternal Quality Measures through a Case Study of Early Elective Deliveries, a U.S. Perinatal Core Measure. American Sociological Association Annual Meeting, San Francisco, CA, August 2014.
- Kathleen H. Pine and Melissa Mazmanian. Micro Practices of Negotiating Task Jurisdiction and the Effects of Imposing a Formal Logic of Action on Situated Practice. Academy of Management Annual Meeting, Philadelphia, PA, August 2014.
- Kathleen H. Pine and Melissa Mazmanian. Institutional Logics of the EMR and the Problem of 'Perfect' but Inaccurate Accounts. Conference on Computer Supported Cooperative Work and Social Computing, Baltimore, MD March 2014.

Sunyoung Park, Kathleen H. Pine, and Yunan Chen. Local- universality: Designing EMR to Support Localized Informal Documentation Practices. Conference on Computer Supported Cooperative Work and Social Computing, San Antonio, TX February 2013.

Kathleen H. Pine and Martha Feldman. Producing Stability by Protecting Chaos. Academy of Management Annual Meeting, Boston MA, August 2012.

Kathleen H. Pine. Fragmentation & Choreography: Caring for a Patient and a Chart during Childbirth. Conference on Computer Supported Cooperative Work and Social Computing, Seattle, WA, February 2012.

Kathleen H. Pine. Quality Improvement in Practice: Difficulties in Implementing Effective Electronic Documentation Work Systems. American Public Health Association, Washington DC, November 2011.

Kathleen H. Pine. Delivering Care: Organizational Routines for Childbirth in the Hospital Setting. Bringing the Body Back In: Toward a Corporeal Social Science. Tucson, AZ, April 2009.

INVITED KEYNOTE PRESENTATIONS

The Construction and Governance of Healthcare Quality. Conference on Datafication of Healthcare, Aarhus, Denmark, 2018

INVITED PRESENTATIONS

International

Invited Workshop, International workshop on Next Generation of Electronic Health Records. Copenhagen, Denmark, March 2018.

Invited Speaker, “Creating the Data-Driven World: An Ethnographic Study of Maternal/Child Health Performance Measurement.” Workshop on Healthcare Data Work, Copenhagen, Denmark, May 2016.

Invited Speaker, “The Politics of Measurement and Action.” Seminar talk, The IT University of Copenhagen, Technologies in Practice Group, April 2015.

Invited Speaker, “Complex encounters: organizational ethnography and corporate research.” The IT University of Copenhagen, Technologies in Practice Group, April 2015.

National/Local

Invited Workshop, OCIS: PDW: Work in the Age of Intelligent Machines: Towards Disciplinary Convergence. Academy of Management Annual Meeting, Chicago, IL, August 2018.

Invited Workshop, Opening Pathways. Washington DC, May 2018.

- Invited Speaker**, “Patient-Centered Exploration and Innovation to Understand and Ease the Burden of Dialysis.” Knowledge Enterprise Research Unit, Mayo Clinic Rochester, January 2018.
- Invited Speaker**, “Constructing a Sustainable Interdisciplinary Identity in Academia.” School for the Future of Innovation in Society Brown Bag Series, Arizona State University, January 2018.
- Invited Speaker**, “Birth Certificate Data and Healthcare Accountability Measurements.” Workshop on Datafication of Healthcare: Transforming Practices, Roles, and Knowledge, University of California, Irvine, August 2017.
- Invited Speaker**, “Artful and contorted coordinating: Ramifications of imposing formal logics of task jurisdiction on situated practice.” Department of Human Centered Engineering Research Colloquium, Arizona State University, March 2017.
- Invited Speaker**, “Creating the Data-Driven World: An Ethnographic Study of Quality Measurement in Obstetrical Care.” School of Nutrition and Health Promotion colloquium series, Arizona State University, January 2017.
- Invited Workshop**, AI Now. New York, New York, July 2017.
- Invited Speaker**, “Creating the Data-Driven World: An Ethnographic Study of Maternal/Child Health Performance Measurement.” Nursing Science Scholar Forum, University of California, Irvine, April 2016.
- Invited Speaker**, “Creating the Data-Driven World: Measurement, Work, and Accountability in the Digital Age.” Art Center School for Design, April 2015.
- Invited Speaker**, “Performativity of Measurement in Hospital Work.” Intel Science & Technology Center for Social Computing All Hands Meeting, Georgia Institute of Technology, May 2014.
- Invited Speaker**, “Electronic Health Records and Professional Task Jurisdiction.” Department of Human Centered Design and Engineering Colloquium, University of Washington, April 2014.
- Invited Speaker**, “Creating the ‘Data-Driven’ World: Micro-foundations of Quality Measures in Healthcare.” Intel Science and Technology Center for Pervasive Computing Research Colloquium, University of Washington, April 2014.
- Invited Speaker**, “Childbirth Re-written as an Organizational Event: The Impact of Accountability Artifacts on Coordination of Work in a Labor & Delivery Unit.” Intel Labs, April 2013.
- Invited Speaker**, “Patient-Carried Records: A Practice Perspective.” Workshop on the Personal Health Portfolio, New York University, February 2013.
- Invited Speaker**, “Materialities of Information in Childbirth.” Materialities of Information Symposium, University of California, Irvine, December 2013.
- Invited Speaker**, “Childbirth Re-written as an Organizational Event: The Impact of Accountability Artifacts on Coordination of Routines in a Labor & Delivery Unit”

Department of Informatics Seminar Series, University of California, Irvine, September 2012.

Invited Speaker, “Organizational Routines for Childbirth.” University of California, Irvine Nursing Research Forum, December 2009.

Invited Speaker, “Adoption of Safe and Effective Birthing Practices.” Public Problems, Public Potential. Costa Mesa, CA, October 2009.

ORGANIZATION OF WORKSHOPS, SYMPOSIA, and PANELS

Panel, “Care that Fits: Kidney Disease Patient Cases.” Bjorg Thorsteindottir, Elizabeth Lorenz, Robert Albright, Kathleen H. Pine, and Samantha Whitman. Panel organized and held at Minimally Disruptive Medicine, Rochester, Minnesota, October 3rd 2018.

Workshop, “Data-work in Healthcare: Challenges for Patients, Clinicians, and Administrators.” Kathleen H. Pine, Claus Bossen, Gunnar Ellingsen, Maria Grisot, Naja Holten-Moller, Yunan Chen, and Melissa Mazmanian. Workshop organized and held at Computer Supported Cooperative Work, Jersey City, New Jersey, November 3rd 2018.

Workshop, “Datafication of Healthcare: Transforming Practices, Roles, and Knowledge.” Yunan Chen, Kai Zheng, Claus Bossen, Kathleen H. Pine. Workshop organized and held at the University of California, Irvine August 9th, 2017.

Workshop, “Data-work in Healthcare: The New Work Ecologies of Healthcare Infrastructures.” Claus Bossen, Kathleen H. Pine, Gunnar Ellingsen, and Frederico Cabitza. Workshop organized and held at Computer Supported Cooperative Work, San Francisco, California, February 27th, 2016.

Panel, “Algorithmic Authority: The Ethics, Politics, and Economics of Algorithms that Interpret, Decide, and Manage.” Caitlin Lustig, Kathleen H. Pine, Bonnie Nardi, Lilly Irani, Min Kyung Lee, Dawn Nafus, and Christian Sandvig. Panel organized and held at the ACM Conference on Human Factors in Computing Systems, San Jose, CA, May 7th, 2016.

Panel, “Quantified Society.” Panel organized and led at the 2014 Intel Science and Technology Center for Social Computing All Hands Meeting, Georgia Institute of Technology, May 21st, 2014.

Research Symposium, “Research Symposium: New Forms of Data Work.” Symposium of academic and industry research organized and led at Intel Labs Hillsboro, March 10th, 2014.

Panel, “Materialities of Information in Healthcare.” Panel Organized and led at the Materialities of Information Symposium at University of California, Irvine, December 13th, 2013.

Workshop, “Advancing Ethnography in Healthcare Environments.” Organized and led along with Brigitte Jordan and Christine Morton, Stanford University, April 22nd 2013.

Workshop, “Values in Design for Collaborative Systems.” Organized along with Matthew Bietz and Cory Knobel. Conference on Collaboration Systems and Technologies, San Diego, CA. May 20th, 2013.

TEACHING

Courses Taught

<i>Year/Semester/ University</i>	<i>Course Name</i>	<i>Level</i>	<i>Online/ On-ground</i>
2018 fall, ASU	Fundamentals of Health Informatics	Master’s	Online
2018 fall, ASU	Fundamentals of Health Informatics	Master’s	On-ground
2018 spring, ASU	Advanced Concepts in Healthcare Delivery	Undergrad	On-ground
2018 spring, ASU	Healthcare Management	Undergrad	Online
2017 fall, ASU	Fundamentals of Health Informatics (Co-taught w/ Dr. Brad Doebbeling)	Master’s	On-ground
2017 spring, ASU	Advanced Concepts in Healthcare Delivery (HCD 404)	Undergrad	On-ground
2017 spring, ASU	Healthcare Management (HCD 302) (Co-taught w/ Dr. Brad Doebbeling)	Undergrad	On-ground
2016 spring, UCI	Computer Supported Cooperative Work	Undergrad	On-ground
2015 spring, UCI	Computer Supported Cooperative Work	Undergrad	On-ground
2015 spring, UCI	Doing Research in the Community	Undergrad	On-ground
2014 winter, UCI	Project in Health Informatics	Undergrad	On-ground
2014 fall, UCI	Medical Informatics	Undergrad	On-ground
2011 spring, UCI	Environmental Analysis & Design	Undergrad	On-ground
2010 summer, UCI	Environmental Analysis & Design	Undergrad	On-ground
2010 winter, UCI	Environmental Analysis & Design	Undergrad	On-ground

MENTORSHIP

Current Ph.D. Students

- **Samantha Whitman**, doctoral student (Arizona State University) Role: Doctoral committee chair
- **Xinning Gui**, Ph.D. Candidate (University of California, Irvine) Role: Doctoral committee member
- **Rebecca Monteleone**, doctoral student (Arizona State University) Role: Supervisor on maternity care quality measurement project
- **Ehsan Sabhagian**, doctoral student (Syracuse University) Role: Supervisor on citizen air quality monitoring research project

Current M.S. Students

- **Tenoria Mighal**, M.S. student (Arizona State University) Role: Capstone advisor
- **Jeannel Miclat**, M.S. student (Arizona State University) Role: Capstone advisor

Past Undergraduate Students

- **Rachel Tomlinson**, B.S. student—graduated (Arizona State University) Role: Primary advisor, undergraduate honors thesis
- **John Dobbins**, B.S. student (Arizona State University) Role: Supervisor, risk discourse related to the Salton Sea research project
- **Crystal Oh**, B.S. Student—graduated (University of California, Irvine) Role: Supervisor, maternal healthcare quality project
- **Anthony Wovenu**, B.S. Student—graduated (University of California, Irvine) Role: Supervisor, patient work research project
- **Ryan Assaf**, B.S. Student—graduated (University of California, Irvine) Role: Supervisor, patient work research project

Past Master's Students

- **Samantha Whitman** M.S. student (Arizona State University) Role: Capstone advisor
- **Kimberly Dang**, M.S. student (Arizona State University) Role: Capstone advisor
- **Nancy Soporito**, M.S. student (Arizona State University) Role: Capstone advisor
- **Keren Manzano**, M.S. student (Arizona State University) Role: Capstone advisor

Past Ph.D. Students

- **Christine Wolf**, Ph.D. student—graduated (University of California, Irvine) Role: Supervisor, Creating the Data Driven World research project

PROFESSIONAL SERVICE

School Level

At Arizona State University

- Curriculum Committee, School for the Science of Health Care Delivery (2017-present)
- Qualitative Research Workshop, fall 2017
- Mentor, Masters in the Science of Health Care Delivery Program (2016-present)

At University of California, Irvine

- Organizer, Intel Science & Technology Center for Social Computing monthly seminar series, University of California, Irvine (2013-2014)
- Coordinator, Center for Organizational Research, University of California, Irvine (2011-2012)

University Level

- Team Leadership Academy, Health in the Social Sciences (2017-2018)
- Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability (2017-present)
- Global Security Initiative (GSI) Center for Human, Artificial Intelligence, and Robot Teaming (CHART) faculty affiliate (2017-present)
- Leadership Committee, Center for Smart Cities and Regions (formerly Center for Policy Informatics) (2016-present)
- Review Committee, ASU/Mayo Seed Grant Program (2017-2018)

National Level

- Reviewer, National Science Foundation Smart and Connected Health
- Leadership conference, Consortium for the Science of Sociotechnical Systems (2017)

International Level

- IFIP WG 8.2 – Program Committee (2018)
- ACM Conference on Supporting Groupwork (GROUP) – Program Committee (2014, 2016)
- European Conference on Computer Supported Cooperative Work – Program Committee (2015, 2017, 2018, 2019)
- ACM Conference on Human Factors in Computing Systems (CHI) – Associate Chair (2015, 2018)
- ACM Conference on Designing Interactive Systems (DIS) – Associate Chair (2014)

Reviewer for Journals and Conference Proceedings

- Organization Science
- Information Systems Research
- ACM conference on Computer Supported Cooperative Work (CSCW)
- ACM Conference on Human Factors in Computing Systems (CHI)
- ACM Conference on Designing Interactive Systems (DIS)
- Conference on Design of Cooperative Systems (COOP)
- iConference

Editorial Work

- Co-editor of Health Informatics Journal Special Issue on Data Work in Healthcare (publication anticipated in early 2019)

SCHOLARLY SERVICE OUTSIDE OF ACADEMIA

Public Science Service

- Committee Member, Salton Sea Management Program Advisory Committee on Public Outreach, California Natural Resources Agency (2015-2018)

APPOINTMENTS IN COMMUNITY ORGANIZATIONS

Research Collaborator , Mayo Clinic, Rochester, MN	2018-present
Collaborator , California Maternal Quality Care Collaborative, Palo Alto, CA	2008-present
Collaborator , Grupo Interdisciplinario de Tecnología Rural, Patzcuaro, Mexico	2006-2007
Researcher , Irvine Public Schools Foundation	2006

PROFESSIONAL AFFILIATIONS

Academy of Management
Association for Computing Machinery
Society for Social Studies of Science