

# William C. Barley

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## RESEARCH INTERESTS

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Collaboration and coordination  
Knowledge boundaries  
Data representation  
Organizational communication  
Field studies of diverse teams  
Policy implications of interdisciplinary work

## ACADEMIC POSITIONS

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2014-present Assistant Professor, Department of Communication, University of Illinois at Urbana-Champaign  
2016-present Faculty Affiliate, National Center for Supercomputing Applications, University of Illinois  
2015-16 Faculty Fellow, National Center for Supercomputing Applications, University of Illinois  
2011-12 Visiting Scientist, National Center for Atmospheric Research

## EDUCATION

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2010-2014 Ph.D. in Media, Technology, and Society  
Department of Communication Studies  
Northwestern University  
*Dissertation Committee: Paul Leonardi, Noshir Contractor, Pablo Boczkowski*

2008-2010 M.A. in Media, Technology, and Society  
Department of Communication Studies  
Northwestern University

2002-2006 B.S. in Cognitive Science, *Departmental Honors*  
Department of Cognitive Science  
University of California, San Diego

## OTHER WORK EXPERIENCE

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2006-2008 **General Motors Corporation**, Warren, MI  
Associate Researcher, Vehicle Development Research Lab

## PUBLICATIONS

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### A. Articles in Journals

1. Barley, W.C., Leonardi, P.M., & Bailey, D.E. (2012). Engineering objects for collaboration: Strategies of ambiguity and clarity at knowledge boundaries. *Human Communication Research*, 38(3), 280-308. doi:10.1111/j.1468-2958.2012.01430.x
2. Barley, W. C. (2015). Anticipatory Work: How the need to represent knowledge across boundaries shapes work practices within them. *Organization Science*, 26(6), 1612-1628. doi:10.1287/orsc.2015.1012

3. Barley, W. C., & Weickum, N. R. (2017). The Work Gap: A Structured Review of Collaborative Teamwork Research from 2005-2015. *Annals of the International Communication Association*, 1(2), 136-167. doi:10.1080/23808985.2017.1322912
4. Barley, W.C., Treem, J.W., & Kuhn, T.R. (2018) Valuing Multiple Trajectories of Knowledge: A Critical Review and Research Agenda for Knowledge Management Research. *Academy of Management Annals*, 12(1), 278-317. doi: 10.5465/annals.2016.0041
5. Barley, W.C., Treem, J.W., & Leonardi, P.M. (In Press). Experts at Coordination: examining the performance, production, and value of process expertise. *Journal of Communication*. doi:10.1093/joc/jqz041

## B. Chapters in Books

1. Leonardi, P.M., & Barley, W.C. (2011). Materiality as organizational communication: Technology, intent, and delegation in the production of meaning. In T. Kuhn (Ed.), *Matters of communication: Political, cultural, and technological challenges to communication theorizing*, pp. 101-124. Cresskill, NJ: Hampton Press.
2. Leonardi, P.M., Treem, J.W., Barley, W.C., & Miller, V.D. (2014). Attitude surveys. In V.D. Miller & M.E. Gordon (Eds.), *Meeting the challenge of human resource management: A communication perspective*, pp. 155-166. New York, NY: Routledge.
3. Treem, J.W. & Barley, W.C. (2016) Exploring the (De)valuation of Process Experts in Contemporary Organizations. In J. Treem & P. Leonardi (Eds.), *Expertise, Communication, and Organizing*. Oxford, UK: Oxford University Press.
4. Barley, W.C. (2017). Technology-Organization Relationship. In C. Scott & L. Lewis (Eds.), *The International Encyclopedia of Organizational Communication*. Hoboken, NJ: Wiley. doi: 10.1002/9781118955567.wbieoc204
5. Treem, J.W. & Barley, W.C. (2018) A Framework for How Expertise is Communicated and Valued in Contemporary Organizations: Why Process Work Matters. In P. Salem & E. Timmerman (Eds.), *Transformative Practices and Research in Organizational Communication*, pp. 130-149. Hershey, PA: IGI Global. doi:10.4018/978-1-5225-2823-4.ch008
6. Barley, W.C. & Poole, M.S. (2019) Networks and Technology. In J. McDonald & R. Mitra (Eds.), *Movements in Organizational Communication Research: Current Issues and Future Directions*. New York, NY: Routledge

## C. Patents

1. Lenneman, J.K., Szczerba, J.F., Mathieu, R.J., Barley, W.C., and Seder, T.A. (2009) *Fuel cost predictor system*. U.S. Patent Application No. 11/770,927. Washington DC: U.S. Patent and Trademark Office.
2. Lenneman, J.K., Barley, W.C., Szczerba, J.F., & Naik, S.M. (2012). *Human-machine interface device for an autonomic vehicle control system*. U.S. Patent No. 8,160,760. Washington DC: U.S. Patent and Trademark Office.

## D. Refereed Conference Proceedings

1. Forlizzi, J., Barley, W.C., & Seder, T. (2010) Where should I turn? Moving from individual to collaborative navigation strategies to inform the interaction design of future navigation systems. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2010)*, pp. 1261-1270. New York: ACM Press.

2. Barley, W.C., Leonardi, P.M., & Bailey, D.E. (2011) Engineering objects for collaboration: Strategies of ambiguity and clarity at knowledge boundaries. *Academy of Management Best Paper Proceedings*.

## FUNDING

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### External

- 2017-2019 *EAGER GERMINATION Renewal: Extending a platform to germinate transformative science through diverse collaboration.* **Barley, W.C. (PI)**, with Kuslikis, A.S. (Co-PI), Moder, J. (Co-PO), Poole, M.S. (Co-PI), Whittaker, J. (Co-PI). Funding source: National Science Foundation (EFMA-1745889). Award Amount: \$300,000
- 2017-2018 *SI2-S2I2 Conceptualization: Geospatial Software Institute.* Wang, S. (PI) with Katz, D. (Co-PI), Cox, D. (Co-PI), Palmer, M. (Co-PI), Morin, P. (Co-PI). Funding Source: National Science Foundation (OAC-1743184). Award Amount: \$500,000. **Role: Senior Personnel**
- 2016-2018 *EAGER Germination: Crystallizing Transformative Ideas by Seeding a Diverse Knowledge Community.* **Barley, W.C. (PI)**, with Kuslikis, A.S (Co-PI), Moder, J. (Co-PI), Poole, M.S. (Co-PI), Whittaker, J (Co-PI). Funding Source: National Science Foundation (EFMA-1629367). Award Amount: \$100,000

### University of Illinois

- 2015-2016 *Interdisciplinary Work in a Highly Technical Context: Uncovering Successful Strategies and Potential Costs of Collaboration.* (NCSA Faculty Fellowship) Funding source: National Center for Supercomputing Applications. Award amount: \$25,000
- 2015-2017 *Seeing Systems: Technology Studies and Knowledge Infrastructures across the Humanities,* Schaffner, S. (Project Leader), with **Barley, W.**, Canales J., Chan, A., Cole, C., Jackson, S., Littlefield, M., McDonough, J., Meier, P., and Weissman, T. Funding source: INTERSECT Initiative, Graduate College. Award Amount: \$250,000
- Competitively selected funding to recruit PhD fellows to participate in an interdepartmental cohort of STS scholars. Fellows required to take a series of courses on STS topics developed specifically for the program and offered across several departments.

## AWARDS AND HONORS

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- 2012 Top Paper Award  
 “Interaction, transparency and practice: Communicative and material factors contributing to convergence in technology use.” (Co-authored with Alan Clark & Paul Leonardi)  
*International Communication Association, Organizational Communication Division*
- 2013 Art Stinchcombe Dissertation Prize in Organization Studies  
 “Cloudy with a chance of partnership: How weather researchers shape science to support collaboration”  
*Northwestern University*
- .Best Presentation Award  
 “Cloudy with a chance of partnership: How weather researchers shape science to support collaboration”  
*American Meteorological Society, Eighth Symposium on Policy and Socio-economic Research Student Competition*
- Best Student Paper Nominee  
 “Acknowledging specialized work: A coalitional approach to collaboration.”  
*European Group for Organizational Studies (Conference-wide award, 1 nominee per division)*

- 2015 W. Charles Redding Dissertation Award  
 “Cloudy with a chance of partnership: How weather researchers shape science to support collaboration”  
*International Communication Association, Organizational Communication Division*
- 2016 Outstanding Article Award  
 “Anticipatory Work: How the Need to Communicate Across Boundaries Shapes Work Practices Within Them”  
*National Communication Association, Organizational Communication Division*
- Top Paper Award  
 “Frame Mismatch: How framing communication as transmission hinders interdisciplinary collaboration” (Co-authored with Kaitlyn Childs, Hallie Workman, and Ly Dinh)  
*International Communication Association, Organizational Communication Division*
- 2017 Best of the B.E.S.T. Presentation Award  
 “Examining the structure of interactional expertise in a scientific organization using multilevel egocentric analysis”  
 (Co-authored with Ly Dinh, Hallie Workman, and Chengyu Fang)  
*International Communication Association, Organizational Communication Division*
- 2018 Best Paper Award  
 “Enhancing Team Science Through Mobilizing the Diversity-Creativity Tension”  
 (co-authored with M. Scott Poole, Samuel Wilson, and Luisa Ruge-Jones)  
*Science of Team Science Annual Conference*
- Top Poster Award  
 “Destabilizing divergence and convergence: An intervention to transcend the tension between diversity and creativity in teams”  
 (co-authored with Sam Wilson, Luisa Ruge-Jones, and M. Scott Poole)  
*International Communication Association, Organizational Communication Division*
- 2019 Best Paper Award  
 “Connection or Dialog? How Frames for Collaboration Impact Interdisciplinary Practice”  
*2019 Davis Conference on Qualitative Research*
- Top Paper Award  
 “Tacking amid Tension: Using Oscillation to Enable Creativity in Diverse Teams”  
 (co-authored with Sam Wilson, Luisa Ruge-Jones, and M. Scott Poole)  
*National Communication Association, Group Communication Division*

## PRESENTATIONS

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### Refereed

1. Forlizzi, J., Barley, W.C., & Seder, T. (April, 2010). *Where should I turn: Moving from individual to collaborative navigation strategies to inform the interaction design of future navigation systems*. Paper presented at the 28th International Conference on Human Factors in Computing Systems (CHI 2010). Atlanta, GA.
2. Barley, W.C., Treem, J.W., Leonardi, P.M., Rozenfeld, R.A., Kelleher, M.D., & Woods, D.M. *The role of interpersonal and organizational trust in emergency pediatric transfers*. Poster Presented at:
  - National Patient Safety Foundation Annual Congress. Orlando, FL. May 2010
  - AcademyHealth Annual Research Meeting. Boston, MA. June 2010
  - Child Health Services Research Meeting. Boston, MA. June 2010
3. Barley, W.C. (October, 2010). *Negotiating engineered objects: Exploring the collective interpretation of strategically designed objects*. Poster presented at the 23rd Annual Organizational Communication Mini-Conference. New Brunswick, NJ.
4. Barley, W.C. & Leonardi, P.M. (November, 2010). *Engineering objects: The strategic production of boundary objects*. Paper presented at the National Communication Association Annual Conference. San Francisco, CA.
5. Barley, W.C., Clark, A.T., & Leonardi, P.M. (May, 2011). *Emerging technologies-in-practice: A communication framework of convergence of technologies-in-use*. Paper presented at the International Communication Association Annual Conference. Boston, MA.
6. Barley, W.C., Leonardi, P.M., & Bailey, D.M. (August, 2011). *Engineering objects for collaboration: Strategies of ambiguity and clarity at knowledge boundaries*. Paper presented at the Academy of Management Annual Conference. San Antonio, TX.
7. Treem, J.W., Leonardi, P.M., & Barley, W.C. (November, 2011) *The discursive construction of expertise: Implications for interorganizational communication*. Paper presented at the National Communication Association Annual Conference. New Orleans, LA.
8. Barley, W.C., Leonardi, P.M., & Treem, J.W. (November, 2011) *Information triage: Evaluating expertise to support distributed collaboration*. Paper presented at the National Communication Association Annual Conference. New Orleans, LA.
9. Clark, A.T., Barley, W.C., & Leonardi, P.M. (May, 2012) *Interaction, transparency and practice: Communicative and material factors contributing to convergence in technology use*. Paper presented at the International Communication Association Annual Conference. Phoenix, AZ.
10. Barley, W.C. (October, 2012) *Cloudy with a chance of partnership: How weather researchers shape science to support collaboration*. Presented at the 25<sup>th</sup> Organizational Communication Mini-Conference. Norman, OK.
11. Barley, W.C. (January, 2013) *Cloudy with a chance of partnership: How weather researchers shape science to support collaboration*. Presented at the 93<sup>rd</sup> Meeting of the American Meteorological Society. Austin, TX.
12. Barley, W.C. (July, 2013) *Acknowledging specialized work: A coalitional approach to collaboration*. Paper presented at the 28<sup>th</sup> European Group for Organizational Studies (EGOS) Conference. Montreal, Canada.

13. Barley, W.C. (November, 2013) *Staging technology: The upstream consequences of knowledge representation for collaborative work*. Paper to be presented at the National Communication Association Annual Conference. Washington, D.C.
14. Barley, W.C. (May, 2014) *"We're not a job shop:" Strategically managing mixed motives at disciplinary boundaries*. Paper presented at the International Communication Association Annual Conference. Seattle, WA
15. Barley, W.C. (May, 2015) *Long-term Consequences of Interdisciplinarity: How the need to sell work shapes a discipline over time*. Paper presented at the International Communication Association Annual Conference. San Juan, Puerto Rico.
16. Treem, J.W. & Barley, W.C. (February, 2016) *Exploring the (De)valuation of Process Experts in Contemporary Organizations*. Paper presented at the Organizational Communication Traditions, Transitions, and Transformations Conference. Austin, TX.
17. Dinh, L., & Barley, W.C. (April, 2016) *Exploring the Meaning of Interdisciplinary Collaboration in a Scientific Organization: An Application of Text and Network Analysis*. Paper presented at the XXXVI Sunbelt Conference of the International Network for Social Network Analysis
18. Barley, W.C., Childs, K., Workman, H.M., Dinh, L. (June, 2016) *Frame Mismatch: How framing communication as transmission hinders interdisciplinary collaboration*. Paper presented at the International Communication Association Annual Conference. Fukuoka, Japan.
19. Barley, W.C., & Weickum, N. (November, 2016) *The Work Gap: A structured review of collaboration research in management and communication studies from 2005-2015*. Paper presented at the National Communication Association Annual Conference. Philadelphia, PA
20. Barley, W.C., Dinh, L., Workman, H.M., & Fang, C. (May, 2017) *Examining the structure of interactional expertise in a scientific organization using multilevel egocentric analysis*. Paper presented at the International Communication Association Annual Conference. San Diego, CA.
21. Dinh, L. & Barley, W.C. (July, 2017) *Towards a Multilevel Analysis for Egocentric Network Data: An application of Multiple Membership Multiple Classification (MMMC)*. Paper Presented at the 1<sup>st</sup> North American Social Networks Conference (NASN2017). Washington, D.C.
22. Poole, M.S., Wilson, S.W., Ruge-Jones, L. & Barley, W.C. (May, 2018) *Enhancing Team Science Through Mobilizing the Diversity-Creativity Tension*. Paper presented at that Science of Team Science 2018 Conference. Galveston, TX.
23. Wilson, S.W., Ruge-Jones, L., Barley, W.C., & Poole, M.S. (May, 2018) *Destabilizing divergence and convergence: An intervention to transcend the tension between diversity and creativity in teams*. Paper presented at the International Communication Association Annual Conference. Prague, Czech Republic.
24. Dinh, L. & Barley, W.C. (July, 2018) *A Multiple Membership Multiple Classification (MMMC) model approach for Egocentric Network Data*. Paper presented at the 4th Annual International Conference on Computational Social Science (IC2S2). Evanston, IL
25. Barley, W.C. (August, 2018) *Anticipatory Work and the Construction of Process Flexibility: How representation affords control at knowledge boundaries*. Paper presented at the Academy of Management Annual Meeting. Chicago, IL

26. Ruge-Jones, L., Wilson, S., Poole, M.S., & Barley, W.C. (November, 2018) *Leveraging Disciplinary Diversity: A Hands-On Collaboratory to Define Projects on Civic Discourse in a New Media Age*. Collaboratory hosted at the National Communication Association Annual Conference. Salt Lake City, UT
27. Barley, W.C. (March, 2019) *Connection vs. Dialog: How frames for interdisciplinarity impact collaboration practices*. Paper presented at the Davis Conference on Qualitative Research. Davis, CA
28. Barley, W.C., Treem, J.W., & Leonardi, P.M. (May, 2019) *Experts at Coordination: examining the performance, production, and value of process expertise*. Paper presented at the International Communication Association Annual Conference. Washington, D.C.
29. Wilson, S., Ruge-Jones, L., Barley, W.C., & Poole, M.S. (November, 2019) *Tacking amid Tension: Using Oscillation to Enable Creativity in Diverse Teams*. Paper to be presented at the National Communication Association Annual Conference. Baltimore, MD
30. Ruge-Jones, L., Wilson, S., Moder, J., Barley, W.C., Whittaker, J., Poole, M.S., & Kuslikis, A. (November, 2019) *Compounding consequences: Barriers and opportunities of diversity in collaborative teams*. Paper to be presented at the National Communication Association Annual Conference. Baltimore, MD
31. Ruge-Jones, L., Poole, M.S., Barley, W.C., & Wilson, S.W. (November, 2019) *Forging New Directions in Group Communication Research: Interactive Collaboration to Define Critical Topics and Projects*. Interactive Session hosted at the National Communication Association Annual Conference. Baltimore, MD

### Invited Talks

- 2007 Peking University, Beijing (Department of Engineering)  
*Using fieldwork to inform human-machine interface design in automobiles*
- 2011 University of Colorado at Boulder (Department of Communication)  
*Moving from research questions to finding an ethnographic field site*
- 2012 College for Creative Studies, Detroit Michigan (Graphic Design)  
*Fieldwork: What is it and why do we need it?*
- 2014 Graduate School of Information Science Seminar, Urbana, IL  
*Anticipating Data Representation: How the need to communicate across disciplinary boundaries changes work practices within them*
- 100<sup>th</sup> Annual National Communication Association Conference, Chicago, IL (Panelist)  
*Meeting the Needs of Human Resource Management: A Communication Perspective*
- 100<sup>th</sup> Annual National Communication Association Conference, Chicago, IL (Panelist)  
*The Presence of our Future(s): Reflections and Suggestions on Negotiating the Academic Job Market*
- National Center for Atmospheric Research, Boulder, Colorado  
*How data representation constrains and enables applied weather research*
- University of Michigan, Ann Arbor (Michigan Interactive and Social Computing Seminar)  
*Staging Representations: Upstream Consequences for Collaborative Work*
- Lawrence Technological University, Southfield, Michigan (College of Architecture and Design)  
*Communication, Audience, and Design*
- 2016 Mandela-Washington Fellowship Institute for Young African Leaders, Urbana, IL  
*Beyond Features: Understanding how technologies come to influence organizations*

Mandela-Washington Leadership Institute for Young African Leaders, Urbana, IL  
*From Transmission to Dialog: Public communication in a networked age*

National Center for Supercomputing Applications, Urbana, IL  
*Interdisciplinarity in a Highly Technical Context: Exploring strategies and structures of collaboration*

2017 Center for Health Aging and Disability Seminar, University of Illinois, Urbana, IL  
*Interdisciplinary Work: Its promise, its challenges, and some strategies for success*

Office of the Vice Chancellor for Institutional Advancement, University of Illinois, Urbana, IL  
*The promise and challenge of cross-boundary communication*

College of Business, Department of Organizational Behavior Seminar, University of Illinois, Urbana, IL  
*Ironies of Interdisciplinarity: Revealing tensions in the practice and structure of scientific collaboration*

2018 Illinois Summit on Diversity in Psychological Sciences. Urbana, IL  
*Workshop: Rising to the Challenges of Interdisciplinary Work*

2018 NSF Emerging Frontiers and Multidisciplinary Activities Germination Workshop, Alexandria, VA  
*Extending a Platform to Germinate Transformative Science Through Diverse Collaboration*

NSF Geospatial Software Institute (GSI) Conceptualization Workshop. Chicago, IL  
*Who are the users? What are their needs? Results from the GSI user survey*

Illinois Extension Annual Conference. Urbana, IL  
*Communicating across boundaries*

2019 2019 NSF Emerging Frontiers and Multidisciplinary Activities Germination Workshop, Boise, ID  
*A "stepladder" to addressing diversity and inclusion: a guided experience in oscillation*

Department of Communication Colloquium Series, University of Colorado at Boulder, Boulder, CO  
*The actions around interaction: How seeing the back-stage of science complicates theories of communication at knowledge boundaries*

## TEACHING

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### University of Illinois

Department of Communication

Instructor of Record, 2014-present

- Field methods for knowledge intensive contexts (CMN 529, Graduate Seminar)
  - SP18: rated 5.0/5 for teaching effectiveness and 4.6/5 for course quality (n=13)
- Knowledge, Technology, & Organizing (CMN 529, Graduate Seminar)
  - SP17: rated 4.8/5 for teaching effectiveness and 4.8/5 for course quality (n=11)
- Communication, Technology, & Social Change (CMN 529, Graduate Seminar)
  - FA15: rated 4.9/5 for teaching effectiveness and 4.8/5 for course quality (n=8)
- Workplace Communication Technology (CMN 410, Undergraduate cross-listed with Masters)
  - Semesters Offered: SP19, SP18, FA17, SP17, FA16, SP16, SP15
  - Average rating of 4.9/5 for teaching effectiveness and 4.8/5 for course quality (n=173)



- Communicating for Innovation (CMN 312, Undergraduate, Upper-Division Lecture)
  - Semesters Offered: SP19, FA17, FA16, FA15
  - Average rating of 4.9/5 for teaching effectiveness and 4.8/5 for course quality (n=118)

Appearances on UIUC List of Teachers Ranked as excellent (\* indicates instructor ratings were outstanding):  
SP15, FA15, SP16, FA16\*, SP17, FA17\*, SP18\*, SP19\*

### **Northwestern University**

Department of Communication Studies

Graduate Teaching Assistant, 2010-2014

- Organizational Communication and Innovation (Comm St 366, Undergraduate, Upper-Division Lecture)
- Managing Information for Innovation (MSC 515, Professional Masters, Case-Based Lecture)

## **GRADUATE STUDENT ADVISING**

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### **Doctoral Students**

Hallie Workman, 2015-Present

Samuel Wilson, 2017-19

### **Masters Students**

Kaitlyn Childs, M.A., 2014-2016, now at Northwestern University

Samuel Wilson, M.A., 2015-2017, now at University of Illinois, Urbana-Champaign

Elisabeth Yang, M.A., 2017-2019, now at Yale University

### **PhD Committee Membership**

Ann Bryan, 2015-Present

Jeffrey Proulx, 2012-Present

Samuel Wilson, 2019-Present

Rachel Kimmach, 2019-Present

### **MA Exam Committee Membership**

Ly Dinh, M.A., 2014-2016, now at University of Illinois, Urbana-Champaign

Luisa Ruge-Jones, 2016-18, now at University of Illinois, Urbana-Champaign

Chengyu Fang, 2016-18, now at University of California at Santa Barbara

## **PROFESSIONAL ACTIVITIES**

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### **Memberships**

International Communication Association

National Communication Association

Academy of Management

### **Reviewing Activity**

*Communication Monographs* (2018)

*Communication Research* (2018, 2019)

*Communication Theory* (2011, 2014, 2015, 2016, 2017)

*Corporate Communications* (2017)

International Communication Association Annual Conference (2010-2011, 2014-18)

- *Recognized as a Star Reviewer by the Organizational Communication Division (2015)*

International Conference on Human Factors in Computing Systems (CHI; 2009)

International Conference on Information Systems (2016)

*International Journal of Communication* (2019)

*Journal of Communication* (2013, 2017, 2019)

*Journal of Computer Supported Cooperative Work* (2014)

*Management Communication Quarterly* (2017, 2018)  
MIT Press (2014)  
National Communication Association Annual Conference (2010, 2015-19)  
National Science Foundation (2017, 2018, 2019)  
*Organization Science* (2014, 2015, 2016; 2017; 2018)

### **Professional Service**

Co-chair, Organizational Communication Research Escalator, ICA Annual Conference (2016)  
Member, Awards Special Action Committee, NCA Organizational Communication Division (2016)  
Member, Organizational Communication Division Awards Nomination Committee, NCA (2017)  
Member, Review Committee, INFORMS Dissertation Proposal Competition (2016, 2017)  
Member, Review Committee, W. Charles Redding Dissertation Award, ICA Annual Conference (2016)  
Mentor, Organizational Communication Doctoral Preconference, ICA Annual Conference (2017)  
Mentor, Organizational Communication Research Escalator, ICA Annual Conference (2015, 2017, 2018, 2019)  
Session Chair, NCA Annual Conference (2014, 2018)  
Session Chair, ICA Annual Conference (2014, 2016-2019)  
Session Respondent, ICA Annual Conference (2018)  
Session Respondent, NCA Annual Conference (2018)

### **Public Engagement**

Invited Participant, NSF Professionalization in Cyberinfrastructure Workshop, Santa Barbara, CA (2017)  
*Workshop assembling social scientists and administrators from multiple national supercomputing facilities. Program designed to inform policy development to facilitate creating the cyberinfrastructure workforce necessary to maintain national computing resources in the 21<sup>st</sup> century.*

Invited Participant, NSF Emerging Frontiers and Multidisciplinary Activities Germination Workshops, Washington, DC (2016, 2018, 2019)  
*A series of workshops hosted by the National Science Foundation to help the NSF build strategy to solicit and fund research proposals that effectively address current scientific grand challenges.*

Invited Participant, NSTC Collaboration Planning for Team Science Workshop, Austin, TX (2014)  
*Workshop hosted by the National Science and Technology Council, a council that reports directly to the executive branch of the U.S. Government. Program focused on developing guidelines for calls for proposals that would effectively encourage interdisciplinary teams to submit to national funding agencies.*

## **UNIVERSITY SERVICE**

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Core Faculty, Seeing Systems: Technology Studies and Knowledge Infrastructures across the Humanities (2015-2017)  
Faculty Affiliate, Cline Center for Digital Democracy (2016-Present)  
Faculty Affiliate, Institute for Computing in Humanities, Arts, and Social Sciences (I-CHASS; 2015-Present)  
Member, Culture & Society Theme Steering Committee, National Center for Supercomputing Applications (2014-16)  
Member, Department of Communication Capricious Grading Committee (2017-18)  
Member, Department of Communication Colloquium Committee (2014-2016; 2017-19)  
Member, Faculty Advisory Committee, Academic Technology in Liberal Arts and Sciences (2016 – present)  
Reviewer, National Center for Supercomputing Applications Faculty Fellows Program (2017)  
Reviewer, Campus Research Board (2015)