

Arvind Karunakaran

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EDUCATION

MIT Sloan School of Management

M.S./Ph.D., Management (Expected Graduation: June 2018)

Dissertation Committee: Wanda Orlikowski (Chair), Katherine Kellogg, John Van Maanen, JoAnne Yates

The Pennsylvania State University

M.S., Information Sciences and Technology, 2011

Anna University, India

B.E., Computer Science and Engineering, 2005

RESEARCH

My research focuses on understanding the mechanisms and processes needed to facilitate cross-boundary coordination during periods of technological change. More specifically, I examine how and in what ways novel digital technologies (e.g., social media, predictive analytics, platforms) shape coordination among professional groups, and with what consequences for organizational change and accountability.

Theoretical Interests: Coordination; Professions/Occupations; Navigating Technological Change; Uncertainties; Status-Authority Asymmetry; Organizational Accountability

Phenomena: Platforms and Ecosystems; Predictive Analytics; Social Media; Cloud Computing

Peer-reviewed Journals:

1. Garud, R., and **Karunakaran, A** (Forthcoming). Process-based Ideology of Participative Experimentation to Foster Identity-challenging Innovations: Google's Gmail and AdSense. *Strategic Organization*. *Equal Contribution; Authorship in Alphabetical Order*
2. Garud, R., Gehman, J., and **Karunakaran, A.** (2014). Boundaries, Breaches, and Bridges: The Case of Climategate. *Research Policy*, 43(1). *Equal Contribution; Authorship in Alphabetical Order*
3. **Karunakaran, A.**, Reddy, M, and Spence, P.R. (2013). Toward a Model of Collaborative Information Behavior in Organizations, *Journal of the American Society for Information Science and Technology*, 64(12), 2437–2451.

Manuscripts Under Review:

1. Garud, R., **Karunakaran, A.**, and Turunen, M. Working with Ambiguities: Meaning-making of Ambiguities at the Front-end of Discontinuous Innovations (Under 2nd round review at *Academy of Management Review*; *Equal Contribution; Authorship in Alphabetical Order*)
2. **Karunakaran, A.** In Cloud We Trust? Normalization of Uncertainties in Online Platform Services (R&R at *Organization Science*)
 - o Winner of the American Sociological Association's Best Graduate Student Paper Award (Communications, Information Technologies, and Media Sociology Section), 2017

Working Papers:

1. **Karunakaran, A.** Reconfiguring Accountability: Organizational Accountability in the Age of Smartphones and Social Media (Dissertation Essay; Job Market Paper)
 - Dissertation Fellow, Strategy Research Foundation [SRF], 2015-2017
 - Finalist, Best Paper Award, SMS Knowledge and Innovation Interest Group, 2017
 - Best Conference Paper Nominee, Strategic Management Society Annual Conference, 2017
 - Best Ph.D. Student Paper Nominee, Strategic Management Society Annual Conference, 2017
 - Best Paper Award (Macro Track), East Coast Doctoral Conference, Jointly Organized by Columbia University and New York University's Management Department, 2017
 - Donald R. Cressey Award for the Most Outstanding Dissertation Project, Horowitz Foundation for Social Policy, 2016
 - Ethnography Fellowship, Department of Sociology, Division of the Social Sciences, University of Chicago, 2017 (1 of the 6 ethnography awards out of 92 applicants across the social sciences)
 - Selected as part of AOM OMT division's Showcase Symposium, Atlanta, GA, 2017
2. **Karunakaran, A.** Truce Structures: Minimizing Protracted Jurisdictional Conflict between Symmetrical Professions during Periods of Technological Change (Dissertation Essay)
3. **Karunakaran, A.** Controlling Common Information Space to Overcome Status-Authority Asymmetry and Orchestrate Cross-professional Coordination (Dissertation Essay)
4. **Karunakaran, A.** True to the Core? Organizational Image and Crisis of Commitment during Product to Platform Transitions (Manuscript Revision)

Works in Progress:

1. Van Angeren, J., and **Karunakaran, A.** Dancing with the Elephant: Impact of Platform Strategic Actions on the Rate and Direction of Innovation in Ecosystems (Manuscript Revision)
2. **Karunakaran, A** and Orlikowski, W.J. Surface versus Deep Institutionalization: The Case of Establishing 911 as the "Nationwide Emergency Number" in the United States (Data analysis stage)
3. **Karunakaran, A.** Regimes of Quantification: Predictive Analytics, Knowledge Production, and the Shifting Locus of Accountability in Law Enforcement Organizations (Data Collection Stage)

AWARDS

- Best Graduate Student Paper, Communications, Information Technologies, and Media Sociology (CITAMS) section, American Sociological Association, 2017
- Best Paper (Macro Track), East Coast Doctoral Conference, Jointly Organized by Columbia University and New York University's Management Department, 2017
- Dissertation Fellow, Strategy Research Foundation [SRF], 2015-2017
- Best Conference Paper Nominee, Strategic Management Society Annual Conference, 2017
- Best Ph.D. Student Paper Nominee, Strategic Management Society Annual Conference, 2017
- Donald R. Cressey Award for the Most Outstanding Dissertation Project, Horowitz Foundation for Social Policy, 2016
- Ethnography Fellow, Department of Sociology, Division of the Social Sciences, University of Chicago, 2017 (**selected as 1 of the 6 ethnography fellows out of 92 applicants across the social sciences**)
- Fellow, Christian Regenhard Center for Emergency Response Studies, NY, 2015.

- Above and Beyond Call of Duty Award (top 2% of reviewers), AOM Organizational and Management Theory (OMT) Division, 2013
- Vincent Cerf Award for the Best Graduate Student Paper, Design Science Research Conference, 2012

GRANTS

- Doctoral Dissertation Research Grant, Horowitz Foundation for Social Policy (\$7,500), 2016
- Research Grant from Roberts, Hammond & Krasner Fund, MIT (\$18,300), 2013
- Weatherford-MIT Energy Fellow, 2012-2013
- Design Management Institute Research Scholarship, 2012

HONORS

- Showcase Symposium on Occupational Reactions in the Wake of Technological Shifts (Co-organizer and Presenter), OMT Division, Academy of Management Meeting, Atlanta, GA, 2017
- Showcase Symposium on Platforms and Ecosystems: Collective Insights from Field Research (Co-organizer and Presenter), TIM Division, Academy of Management Meeting, Philadelphia, PA, 2014
- Selected Participant, BPS Dissertation Consortium, Business Policy and Strategy Division, AOM 2017
- Invited Participant, Conference on Data and Civil Rights: A New Era of Policing and Justice, Washington, DC, 2015
- Selected Participant, OMT Dissertation Proposal Workshop, AOM 2015.
- Selected Participant, Doctoral Consortium, Organizational Communication and Information Systems Division, AOM 2015
- Selected Participant, Strategic Management Society (SMS) Doctoral Workshop, SMS' 2015
- Selected Participant, Doctoral Consortium, Organizational Communication and Information Systems Division, AOM 2015
- Selected Participant, Industry Studies Association Doctoral Student Workshop, Portland, OR, 2014.
- Selected Participant, West Coast Research Symposium on Technology Entrepreneurship (WCERS 2013 and 2017)
- CIHDS Fellow (Center for Integrated Healthcare Delivery Systems), Pennsylvania State University, 2010-2011

Presentations, Workshops, and Symposiums:

Reconfiguring Emergencies: Examining how Publics' Use of Social Media Shape Organizational Accountability

- Annual Meeting of the Academy of Management (AOM 2017), Atlanta, GA. (Symposium on Occupations in the Wake of Technological Changes. Sponsored by OMT, TIM, OCIS; *Featured as Showcase Symposium - OMT division*)

Regimes of Quantification: Predictive Analytics, Knowledge Production and Shifting Locus of Accountability in Organizations

- The New Economy Pre-Conference, Economic Sociology Division, Annual Meeting of the American Sociological Association (ASA'16), Seattle, WA.
- Organizational Theory Division, Annual Meeting of the Academy of Management (AOM'15), Anaheim, CA.

- Strategic Management Society Annual Meeting, SMS'16, Berlin, Germany.

In Cloud We Trust? Normalization of Uncertainties in Cloud Computing Platforms

- American Sociological Association Annual Meeting (ASA'16), Seattle, WA.

Multi-sided Platform, Ecosystems, and Organizations

- Annual Meeting of Academy of Management (AOM'15), Vancouver, BC.

True to the Core? Organizational Image and “Crisis of Commitment” during Product to Platform Transitions

- Annual Meeting of the Academy of Management (AOM'13), Philadelphia, PA. (Symposium on Unpacking the Dynamics of Platforms and Ecosystems; Sponsored by OMT, BPS, TIM; *Featured as Showcase Symposium - TIM division*)

Case Studies and Practitioner Publications

1. **Karunakaran, A.**, Mooney, J.G., Ross, J.R., (2015). Accelerating Global Digital Platform Deployment Using the Cloud: A Case Study of Schneider Electric’s “Bridge Front Office” Program. MIT Center for Information Systems Research (CISR) Case Study.
2. **Karunakaran, A.** (2014). Digital Platform Modernization: A Case Study of Enterprise’s Journey to the Cloud. MIT Center for Information Systems Research (CISR) Case Study.
3. Horne, D., Clark, S.M., & **Karunakaran, A.** (2011). Business Process Architecture: A Comparative Analysis of Reference Models and Methods. *Journal of Enterprise Architecture*, 7(3), 19-28

TEACHING INTERESTS

Managing Digital Innovation, Strategic Management, Organizational Change, Platform Strategy, Ecosystem Governance, Business Analytics, Organizational Processes for Analytics, Open/User Innovation, Meso-Organizational Theory, Qualitative/Ethnographic Methods

TEACHING EXPERIENCE

Graduate Teaching Assistant

MIT Sloan School of Management, Cambridge, MA

2014

Teaching Assistant for Dr. John Van Maanen

15.322 – Leading Organizations

Graduate Teaching Assistant and Guest Instructor

MIT Sloan School of Management, Cambridge, MA

2013-15, 2017

Teaching Assistant for Dr. Eric Von Hippel

(1) 15.S08 - User-centered Innovation in the Internet Age

(2) 15.356 - How to Develop Breakthrough Products and Services

Graduate Teaching Assistant

The Pennsylvania State University, University Park, PA

2010

Teaching Assistant for Dr. Irene Petrick

IST 110 - Information, Technology & People.

Invited Guest Lecture; Title of Talk: "Socio-Technical Evolution of the Internet"

PROFESSIONAL ACTIVITIES AND SERVICE

Committees and Conference Organizing

Co-organizer, MIT Sloan PhD Alumni Meeting, Vancouver, BC (Aug' 2015)

Co-organizer, Boston Field Researchers Conference, Cambridge, MA (May' 2013)

Reviewer

Organization Science

Annual Meeting of Academy of Management

Strategic Management Society Annual Meeting

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Student Member – Academy of Management (AOM)

Student Member – American Sociological Association (ASA)

Student Member – Strategic Management Society (SMS)

INDUSTRY EXPERIENCE

Pre-Sales Consultant

Feb 2007 – Apr 2008

Photon Infotech Pvt. Ltd., India

Software Engineer

July 2005 – Dec 2006

Infosys Technologies Ltd., India

REFERENCES

Wanda Orlikowski (Chair)

Alfred P. Sloan Professor of Management
Professor of Information Technologies
and Organization Studies
Office: E62-418
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Katherine Kellogg

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Innovation
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Raghu Garud

Alvin H. Clemens Professor of Management
and Organization
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Corporate Innovation & Entrepreneurship
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