

Karim R. Lakhani

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Harvard Business School
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EDUCATION

- 2006 Ph.D., Management, Massachusetts Institute of Technology Sloan School of Management, Cambridge, MA
Dissertation: The Core and the Periphery in Self-Organizing and Distributed Innovation Systems
Committee: Eric von Hippel (Chair), Tom Allen, Wanda Orlikowski
- 1999 Master of Science, Technology and Policy, Massachusetts Institute of Technology, Cambridge, MA
- 1993 Bachelor of Electrical Engineering and Management (Summa Cum Laude), McMaster University, Hamilton, Canada

ACADEMIC APPOINTMENTS

- 2016–present Professor of Business Administration, Technology and Operations Management Unit, Harvard Business School
- 2012–2016 Associate Professor, Technology and Operations Management Unit, Harvard Business School
- 2013 – 2014 Lumry Family Associate Professor
- 2007– present Faculty Fellow, Berkman Center for Internet and Society
- 2006 – 2012 Assistant Professor, Technology and Operations Management Unit, Harvard Business School
- 2008 – 2009 Richard Hodgson Fellow
- 2005 – 2006 Lecturer, MIT Sloan School of Management

Teaching Assignments

- 2014–present Digital Innovation and Transformation Elective Course, Winter (2014, 2015), Fall (2015), Winter (2017)
- Empirical Studies of Innovation and Digitization, Ph.D. Course, Winter (2014, 2016)
- 2009–2012 Managing Innovation Elective Course, Winter (2010: 1 Section; 2011: 2 Sections; 2012: 1 Section)
- 2006–2009 Technology and Operations Management Core Course, Fall (2006: 1 Section; 2007: 2 Sections; 2008: 1 Section)

INDUSTRIAL EXPERIENCE

- 1999–2006 Consultant, The Boston Consulting Group
- 1993–1997 Sales, marketing, and new product development roles, General Electric

AWARDS AND HONORS

- 2015 Best Case in Production and Operations Management by The Case Centre for “Open Innovation at Siemens.”
- 2013 Finalist for Harvard Business Review McKinsey Award for “Using the Crowd as an Innovation Partner.”
- 2013 Finalist for Best Paper in *Management Science* (2010–2012), published by the Manufacturing and Service Operations Management Society, for “Incentives and Problem Uncertainty in Innovation Contests: An Empirical Analysis.”
- 2011 University of Innsbruck’s Innovation Management Partner Award for Excellence in Innovation Research (€10,000).
- 2008 Technical University of Munich’s Peter Pribilla Award for Research in Leadership and Innovation (€15,000).
- 2006 Finalist, Best Dissertation Award, Academy of Management, Technology and Innovation Management Division.

2006 Best Student Paper Award, Portland International Conference on Management of Engineering and Technology (\$1,000).

FELLOWSHIPS AND GRANTS

2010–present Principal Investigator, Crowd Innovation Lab and NASA Tournament Laboratory (\$9 Million in funding): Founder of laboratory that investigates through field experiments, the economics of managing contests and communities to solve innovation problems. The lab solves NASA and other US federal agencies’ computational challenges via the TopCoder online contest platform. More than 650 challenges have been completed. Lab staff consists of two postdoctoral fellows, one data scientist, and one research manager. Additional support from MacArthur Foundation and Arnold Foundation.

2009–present Harvard Catalyst: Partner with Harvard Medical School Translational Science Center to investigate the application of open innovation concepts to university teaching hospitals and develop new collaboration models for researchers. Co-develop crowd initiatives in computational biology, Type 1 diabetes, and advanced imaging. Support for three postdoctoral fellows and ongoing experiments.

2010–2011 Google Faculty Research Award (\$100,000) with Kevin Boudreau, LBS. Support for field experiment on TopCoder platform investigating the formation of teams to solve computational challenges.

2001–2005 Canada Social Sciences and Humanities Research Council Doctoral Fellowship (full tuition scholarship).

1997 Aga Khan Foundation International Scholarship (\$15,000).

1992 Bell Canada Engineering and Computer Science Award.

PUBLICATIONS

1. Boudreau, Kevin, Tom Brady, Ina Ganguli, Patrick Gaule, Eva Guinan, Karim R. Lakhani, and Tony Hollenberg. “The Formation of Scientific Collaborations: Field Experimental Evidence on Search Frictions in Collaborator Matching.” *Review of Economics and Statistics*, forthcoming.

2. Hill Andrew, Po-Ru Loh, Ragu B. Bharadwaj, Pascal Pons, Jingbo Shang, Eva Guinan, Karim Lakhani, Iain Kilty, Scott A. Jelinsky. “Stepwise Distributed Open Innovation Contests for Software Development - Acceleration of Genome-Wide Association Analysis.” *Gigascience* 2017, forthcoming, doi: 10.1093/gigascience/gix009.
3. Iansiti, Marco, and Karim R. Lakhani. “The Truth About Blockchain.” *Harvard Business Review* 95, no. 1 (January–February 2017): 118–127.
4. Samer Faraj, Georg von Krogh, Eric Monteiro, Karim R. Lakhani. “Special Section Introduction—Online Community as Space for Knowledge Flows.” *Information Systems Research*, 27(4):668-684. (2016, <http://dx.doi.org/10.1287/isre.2016.0682>).
5. Riedl, Christoph, Richard Zanibbi, Marti A. Hearst, Siyu Zhu, Michael Menietti, Jason Crusan, Ivan Metelsky, and Karim R. Lakhani. “Detecting Figures and Part Labels in Patents: Competition-based Development of Graphics Recognition Algorithms.” *International Journal on Document Analysis and Recognition (IJ DAR)* 19, no. 2 (June 2016): 155–172.
6. Boudreau, Kevin J., Eva Guinan, Karim Lakhani and Chris Riedl. “Looking Across and Looking Beyond the Knowledge Frontier: The Role of Uncertainty and Bounded Rationality in Selecting Scientific Research Projects.” *Management Science* (2016, <http://bit.ly/Lakhani-ManSci2016>).
7. Boudreau, Kevin J., Karim R. Lakhani and Michael Menietti. “Performance Responses to Competition Across Skill-Levels in Rank Order Tournaments: Field Evidence and Implications for Tournament Design.” *RAND Journal of Economics* 47 (Spring 2016): 140-165).
8. Boudreau, Kevin J., and Karim R. Lakhani. “‘Open’ Disclosure of Innovations, Incentives, and Follow-on Reuse: Theory on Processes of Cumulative Innovation and a Field Experiment in Computational Biology.” *Research Policy* (February 2015):4–19, <http://bit.ly/Lakhani-RP2015> . Lead article.
9. Iansiti, Marco, and Karim R. Lakhani. “Digital Ubiquity: How Connections, Sensors, and Data Are Revolutionizing Business.” *Harvard Business Review* 92, no. 11 (November 2014): 90–99.
10. King, Andrew, and Karim R. Lakhani. “Using Open Innovation to Identify the Best Ideas.” *MIT Sloan Management Review* 55, no. 1 (Fall 2013): 41–48.
11. Boudreau, Kevin J., and Karim R. Lakhani. “Using the Crowd as an Innovation Partner.” *Harvard Business Review* 91, no. 4 (April 2013): 61–69. Finalist for 2013 HBR-McKinsey Award.

12. Guinan, Eva C., Kevin J. Boudreau, and Karim R. Lakhani. "Experiments in Open Innovation at Harvard Medical School." *MIT Sloan Management Review* 54, no. 3 (Spring 2013): 45–52.
13. Lakhani, Karim R., Kevin J. Boudreau, Eva C. Guinan, Carliss Y. Baldwin, Alan MacCormack, Eric Lonstein, Mike Lydon, and Ramy A. Arnaout. "Prize-based Contests Can Provide Solutions to Computational Biology Problems." *Nature Biotechnology* 31, no. 2 (February 2013): 108–111 <http://bit.ly/KL-NatureBiotech>.
14. Tushman, Michael, Karim Lakhani, and Hila Lifshitz-Assaf. "Open Innovation and Organization Design." Special issue on the Future of Organization Design. *Journal of Organization Design* 1, no. 1 (2012): 24–27.
15. Boudreau, Kevin J., Nicola Lacetera, and Karim R. Lakhani. "Incentives and Problem Uncertainty in Innovation Contests: An Empirical Analysis." *Management Science* 57 (May 2011): 843–863.
16. Jeppesen, Lars Bo, and Karim R. Lakhani. "Marginality and Problem-Solving Effectiveness in Broadcast Search." *Organization Science* 21 (September–October 2010): 1016–1033.
17. Boudreau, Kevin J. and Karim R. Lakhani. "How to Manage Outside Innovation." *MIT Sloan Management Review* 50, no. 4 (Summer 2009): 68–76.
18. West, Joel, and Karim R. Lakhani. "Getting Clear About Communities in Open Innovation." *Industry & Innovation* 15, no. 2 (April 2008): 223–231.
19. Lakhani, Karim R., and Jill A. Panetta. "The Principles of Distributed Innovation." *Innovations: Technology, Governance, Globalization* 2, no. 3 (Summer 2007): 97–112.
20. Lakhani, Karim R., and Lars Bo Jeppesen. "Getting Unusual Suspects to Solve R&D Puzzles." Forethought. *Harvard Business Review* 85, no. 5 (May 2007): 85(5).
21. Scacchi, Walter, Joseph Feller, Brian Fitzgerald, Scott Hissam and Karim Lakhani. "Understanding Free/Open Source Software Development Processes." *Software Process Improvement and Practice* 11, no. 2 (February 2006): 95–105.
22. von Krogh, Georg, Sebastian Spaeth, and Karim R. Lakhani. "Community, Joining, and Specialization in Open Source Software Innovation: A Case Study." *Research Policy* 32, no. 7 (July 2003): 1217–1241.
23. Lakhani, Karim R., and Eric von Hippel. "How Open Source Software Works: 'Free' User-to-User Assistance." *Research Policy* 32, no. 6 (June 2003): 923–943.

(Reprinted in *Produktentwicklung mit virtuellen Communities*, edited by C. Herstatt and J.G. Sander. Wiesbaden: Springer Gabler, 2004.)

Manuscripts Under Review

1. King, Andrew, and Karim R. Lakhani. “The Impact of Copying an Invention: Empirical Evidence from Open Source Programming Competitions.” Under Review, *Organization Science*.
2. Boudreau, Kevin and Karim R. Lakhani. “High Incentives, Sorting on Skills—or Just a Taste for Competition: Field Experimental Evidence from an Innovation Contest.” Under Review, *Strategic Management Journal*.
3. Blasco, Andrea, Olivia S. Jung, Karim R. Lakhani, and Michael E. Menietti. "Motivating Effort in Contributing to Public Goods Inside Organizations: Field Experimental Evidence." NBER Working Paper Series, No. 22189, April 2016.

Books

1. Harhoff, Dietmar and Karim R. Lakhani, eds. *Revolutionizing Innovation: Users, Communities and Openness*. Cambridge: MIT Press, 2016.
2. Feller, Joe, Brian Fitzgerald, Scott Hissam, and Karim R. Lakhani, eds. *Perspectives on Free and Open Source Software*. Cambridge: MIT Press, 2005.

Book Chapters

1. Lakhani, Karim R. “Managing Communities and Contests to Innovate with Crowds.” Chapter 6 in *Revolutionizing Innovation: Users, Communities and Openness*, edited by Dietmar Harhoff and Karim R. Lakhani, Chapter 6. Cambridge: MIT Press, 2016.
2. Harhoff, Dietmar and Karim R. Lakhani. “Revolutionizing Innovation: Fundamentals and New Perspectives.” Chapter 1 in *Revolutionizing Innovation: Users, Communities and Openness*, edited by Dietmar Harhoff and Karim R. Lakhani, Chapter 6. Cambridge: MIT Press, 2016.
3. Boudreau, Kevin J., and Karim R. Lakhani. “Innovation Experiments: Researching Technical Advance, Knowledge Production and the Design of Supporting Institutions.” In *Innovation Policy and the Economy*, volume 16, edited by Josh Lerner and Scott Stern. Chicago: University of Chicago Press, 2016.

4. Lakhani, Karim R., Hila Lifshitz-Assaf, and Michael Tushman. "Open Innovation and Organizational Boundaries: Task Decomposition, Knowledge Distribution and the Locus of Innovation." In *Handbook of Economic Organization: Integrating Economic and Organization Theory*, edited by Anna Grandori, 355–382. Northampton, MA: Edward Elgar Publishing, 2013.
5. Boudreau, Kevin J., and Karim R. Lakhani. "The Confederacy of Heterogeneous Software Organizations and Heterogeneous Developers: Field Experimental Evidence on Sorting and Worker Effort." In *NBER's 50th Anniversary Volume on the Rate and Direction of Inventive Activity*, edited by Josh Lerner and Scott Stern, 483–502. University of Chicago Press, 2012.
6. O'Mahony, Siobhan, and Karim R. Lakhani. "Organizations in the Shadow of Communities." In *Research in the Sociology of Organizations*, Vol. 11, edited by Michael Lounsbury, 3–36. Bingley, UK: Emerald Group Publishing, 2011.
7. Lakhani, Karim R. and Robert Wolf. "Why Hackers Do What They Do: Understanding Motivation and Effort in Free/Open Source Software Projects." In *Perspectives on Free and Open Source Software*, edited by Joe Feller, Brian Fitzgerald, Scott Hissam, and Karim R. Lakhani. Cambridge, MA: MIT Press, 2005.

Harvard Business School Cases and Teaching Notes

1. Kris Ferreira and Karim R. Lakhani. "Fashion: Art vs. Science in Fashion Retailing." Harvard Business School case 617-059 (March 2017).
2. Karim R. Lakhani, Arun Sundararajan, Emilie Billaud and Caroline Caltagirone. "BlaBlaCar: The Road Ahead..." Harvard Business School case 617-050 (February 2017) 35.
3. Vish V. Krishnan, Karim R. Lakhani and Amram Migdal. "Aston Martin: A Second Century of Performance and Luxury." Harvard Business School case 617-033 (February 2017) 20.
4. Karim R. Lakhani and Akiko Kanno. "Weathernews." Harvard Business School case 617-053 (January 2017) 25.
5. Karim R. Lakhani. "*gramLabs." Harvard Business School case 617-039 (January 2017) 10.
6. Karim R. Lakhani, Sascha L. Schmidt, Michael Norris and Kerry Herman. "Bayern Munich in China." Harvard Business School case 617-025 (November 2016) 20.

7. Karim R. Lakhani, Colin Maclay and Greta Friar. "Bandpage (A)." Harvard Business School case 616-015 (October 2015) 27.
8. Zhu, Feng and Karim R. Lakhani. "From Correlation to Causation." Harvard Business School technical note 616-009 (August 2015) 7.
9. Zhu, Feng, Karim R. Lakhani, Sascha Schmidt and Kerry Herman. "TSG Hoffenheim: Football in the Age of Analytics." Harvard Business School case 616-010 (August 2015) 35.
10. Applegate, Lynda, Karim R. Lakhani and Nicola Bucala. "Podium Data: Harnessing the Power of Big Data Analytics." Harvard Business School case 816-007 (July 2015) 29.
11. Lakhani, Karim R. "Innovating with the Crowd: Module Note for Instructors." Harvard Business School module note 615-072 (March 2015) 34.
12. Lakhani, Karim R., Kerry Herman, and Christine Snively. "The Thermostat Industry: Transformation from Analog to Digital." Harvard Business School technical note 615-038 (December 2014) 13.
13. Lakhani, Karim R., and Michael L. Tushman. "Havas: Change Faster." Harvard Business School multimedia case 614-701 (September 2014) 90 min.
14. Lakhani, Karim R., and Michael L. Tushman. "Havas: Change Faster." Harvard Business School teaching plan 615-004 (October 2014) 9.
15. Lakhani, Karim R., and Michael L. Tushman. "Victors and Spoils: Born Open." Harvard Business School multimedia case 9-414-703 (September 2014) 60 min.
16. Lakhani, Karim R., and Michael L. Tushman. "Victors and Spoils: Born Open." Harvard Business School teaching plan 415-020 (October 2014) 9.
17. Lakhani, Karim R., Wesley M. Cohen, Kynon Ingram, Tushar Kothalkar, Maxim Kuzemchenko, Santosh Malik, Cynthia Meyn, Greta Friar, and Stephanie Healy Pokrywa. "Netflix: Designing the Netflix Prize (A)." Harvard Business School case 615-015 (August 2014) 15.
18. Lakhani, Karim R., Wesley M. Cohen, Kynon Ingram, Tushar Kothalkar, Maxim Kuzemchenko, Santosh Malik, Cynthia Meyn, Stephanie Healy Pokrywa, and Greta Friar. "Netflix: Designing the Netflix Prize (B)." Harvard Business School supplement 615-025 (September 2014) 8.
19. Lakhani, Karim R., Vish Krishnan, and Ruth Page. "Bioinspiration at the San Diego Zoo." Harvard Business School multimedia Case 614-703 (June 2014) 60 min.

20. Lakhani, Karim R., and Greta Friar. "Bioinspiration at the San Diego Zoo." Harvard Business School teaching plan 615-018 (June 2014) 5.
21. Lakhani, Karim R., Noah Fisher, and Marco Iansiti. "Ford Motor Company: Blueprint for Mobility." Harvard Business School case 614-018 (April 2014) 22.
22. Lakhani, Karim R., Kerry Herman, and Marco Iansiti. "GE and the Industrial Internet." Harvard Business School case 614-032 (April 2014) 43.
23. Lakhani, Karim R., Greta Friar, and Katja Hutter. "Prodigy Network: Democratizing Real Estate Design and Financing." Harvard Business School case 614-064 (March 2014) 24.
24. Lakhani, Karim R., Kerry Herman, and Marco Iansiti. "Samsung Electronics: TV in an Era of Convergence." Harvard Business School case 614-034 (March 2014) 40.
25. Lakhani, Karim R., and David Lane. "3D Systems." Harvard Business School case 614-035 (February 2014) 24.
26. Lakhani, Karim R., Noah Fisher, and Marco Iansiti. "SAP 2014: Reaching for the Cloud." Harvard Business School case 614-052 (January 2014) 25.
27. Lakhani, Karim R., Johann Fuller, Volker Bilgram, and Greta Friar. "Nivea (A)." Harvard Business School case 614-042 (January 2014) 26.
28. Lakhani, Karim R., Johann Fuller, Volker Bilgram, and Greta Friar. "Nivea (B)." Harvard Business School supplement 614-043 (January 2014) 3.
29. Lakhani, Karim R., Christine Snively, and James Weber. "Google Car." Harvard Business School case 614-022 (January 2014) 28.
30. Lakhani, Karim R., and Stephanie Pokrywa. "Threadless: Community to Platform." Harvard Business School multimedia case 614-704 (2013).
31. Lakhani, Karim R., Anne-Laure Fayard, Natalia Levina, and Stephanie Healy Pokrywa. "OpenIDEO." Harvard Business School case 612-066 (February 2012) 29. (Revised October 2013.)
32. Lakhani, Karim R., Katja Hutter, Stephanie Healy Pokrywa, and Johann Fuller. "Open Innovation at Siemens." Harvard Business School case 613-100 (June 2013) 19.
33. "Using Communities and Contests to Stimulate Innovation." Harvard Business School Class Lecture 613-711 (March 2013).

34. Lakhani, Karim R., and Paul R. Carlile. "Myelin Repair Foundation: Accelerating Drug Discovery Through Collaboration." Harvard Business School case 610-074 (March 2010) 19. (Revised May 2012.)
35. Lakhani, Karim R. "Myelin Repair Foundation: Accelerating Drug Discovery Through Collaboration (TN)." Harvard Business School teaching note 611-073 (March 2011) 22.
36. Lakhani, Karim R., David A. Garvin, and Eric Lonstein. "TopCoder (A): Developing Software through Crowdsourcing." Harvard Business School case 610-032 (January 2010) 20. (Revised May 2012.)
37. Lakhani, Karim R., and Eric Lonstein. "TopCoder (A): Developing Software through Crowdsourcing (TN)." Harvard Business School teaching note 611-071 (March 2011) 22.
38. Lakhani, Karim R., Eric Lonstein, and Stephanie Pokrywa. "TopCoder (B)." Harvard Business School supplement 612-044 (September 2011) 5.
39. Lakhani, Karim R., and Meredith L. Liu. "Innovation at Charlotte-Mecklenburg Schools." Harvard Business School case 612-065 (February 2012) 21.
40. Lakhani, Karim R., Robert D. Austin, and Yumi Yi. "Data.gov." Harvard Business School case 610-075 (May 2010) 20. (Revised May 2010.)
41. Lakhani, Karim R. "InnoCentive.com (A)." Harvard Business School case 608-170 (June 2008) 22. (Revised October 2009.)
42. Lakhani, Karim R. "InnoCentive.com (A) (TN)." Harvard Business School teaching note 611-072 (March 2011) 21.
43. Lakhani, Karim R., and Eric Lonstein. "InnoCentive.com (B)." Harvard Business School supplement 612-026 (August 2011) 3.
44. Lakhani, Karim R., and Eric Lonstein. "InnoCentive.com (C)." Harvard Business School supplement 612-027 (August 2011) 8.
45. Iansiti, Marco, and Karim R. Lakhani. "SAP AG: Orchestrating the Ecosystem." Harvard Business School case 609-069 (April 2009) 20.
46. Lakhani, Karim R., and Zahra Kanji. "Threadless: The Business of Community." Harvard Business School multimedia/video case 608-707 (June 2008) 45 min.

47. Lakhani, Karim R., and Zahra Kanji. "Threadless: The Business of Community (Instructor's Version)." Harvard Business School multimedia/video case 608-719 (June 2008).
48. Lakhani, Karim R. "Threadless: The Business of Community (TN)." Harvard Business School teaching note 608-169 (June 2008) 22.
49. Coles, Peter A., Karim R. Lakhani, and Andrew P. McAfee. "Cambrian House." Harvard Business School case 608-016 (March 2008) 13.
50. Coles, Peter A., Karim R. Lakhani, and Andrew P. McAfee. "Prediction Markets at Google." Harvard Business School case 607-088 (May 2007) 21. (Revised August 2007.)
51. Lakhani, Karim R., and Andrew P. McAfee. "Wikipedia (A)." Harvard Business School multimedia/video case 607-712, <http://courseware.hbs.edu/public/cases/wikipedia/>. (Revised February 2007.)

PRESENTATIONS

"Looking Across" and "Looking Beyond" the Knowledge Frontier: The Role of Uncertainty and Bounded Rationality in Selecting Scientific Research Projects
 Massachusetts Institute of Technology Sloan School of Management; Technology, Innovation, Entrepreneurship, and Strategy Group, 2014.
 INSEAD Technology and Operations Management Unit, 2014.
 University of Maryland, College Park, Information Systems Department, 2014.
 Washington University, Strategy Department, 2013.
 Georgia Institute of Technology, REER Conference, 2012.

How Disclosure Policies Impact Search in Open Innovation
 Production and Operations Management Conference, Innovation Track, Atlanta, 2014.
 New York University, Intellectual Property Seminar, 2014.
 Harvard University, Berkman Center Seminar, 2014.
 Stanford University, Human Computer Interaction Seminar, 2013.

Field Evidence on Individual Behavior and Performance in Rank-order Tournaments
 Strategy Science Conference, San Francisco, 2014.
 Georgia Tech, REER Conference, 2013.
 Duke University, Fuqua School of Management, Strategy Group, 2013.

The Formation of Scientific Collaborations: Field Experimental Evidence on Search Frictions in Collaborator Matching
 National Bureau of Economic Research Summer Institute, 2014.
 Harvard Business School Technology and Operations Management Seminar, 2014.
 Science of Teams Conference, Keynote Address, Northwestern University, 2013.

Northwestern University, Kellogg School of Management, Management Unit, 2013.
University of Rochester, Simon School of Management, Entrepreneurship and Management Seminar, 2013.

The Crowd as an Innovation Partner

Collective Intelligence Conference, Keynote Speaker, Massachusetts Institute of Technology, 2014.

Defense Threat Reduction Agency, Fort Belvoir, VA, 2014.

R&D Management Conference, Keynote Speaker, Fraunhofer Institute, Stuttgart, 2014.

Harvard Business School Real Estate Conference, Keynote Speaker, 2014.

Precision Medicine Conference, Keynote Speaker, Harvard Medical School, 2013.

Organizing for Distributed Innovation: Accessing the Ideas Cloud

Massachusetts Institute of Technology Crowds and Climate Conference, Keynote Address, 2013.

United States President's Council for Advisors on Science and Technology, Washington, DC, 2012.

National Institutes for Health Public-Private Partnership Science Policy Seminar Series, Washington, DC, 2011.

NASA Technovation Talk Series (broadcast to all NASA locations), Washington, DC, 2011.

NASA National Human Health and Performance Center, Houston, 2011.

White House Summit on Prizes for Innovation, Washington, DC, 2010.

National Academy of Sciences, Institute of Medicine Committee on Aerospace Medicine and the Medicine of Extreme Environments, 2009.

Catalyst Linkages Program, Harvard Medical School, 2009.

NASA, Space Life Sciences Directorate, Innovation Speaker Series, Johnson Space Center, 2008.

Open Innovation Experiments in Academic Science

National Institutes for Health, Public-Private Partnership Science Policy Seminar Series, Washington, DC, 2011.

The Performance Implications of Institutional "Fit": Field Experimental Evidence on an Innovation Task

Temple University, Fox Business School, Information Systems Department, 2012.

Brigham Young University, Utah Strategy Conference, Park City, Utah, 2011.

Harvard Business School Strategy Conference, 2010.

SETChange Seminar, Carnegie Mellon University, 2010.

Conference on Foundations of Business Strategy, Washington University at St. Louis, 2010.

Harvard Business School Market Design Workshop, 2010.

Harvard University Berkman Center Cooperation Group, Cambridge, 2010.

The Contingent Effect of Absorptive Capacity: An Open Innovation Analysis
Wharton Technology Conference, 2011
Tuck School of Business, Technology and Learning Seminar, 2011.

Parallel Search, Incentives, and Problem Type: Reexamining the Competition-Innovation Link

Academy of Management Annual Meeting, Chicago, 2009.
American Economics Association Annual Meeting, San Francisco, 2009.
Wharton Technology Conference, 2008.
Tanaka School of Business, Imperial College, 2008.

Organizations in the Shadow of Communities

Academy of Management Annual Meeting, Chicago, 2009.

The Dynamics of Collaborative Innovation: Exploring the Tension between Knowledge Novelty and Reuse

University of Southern California, Annenberg School of Communication, 2010.
Massachusetts Institute of Technology Sloan School of Management, Collective Intelligence Seminar, 2010.
New York University, Stern School of Business, IOMS – Information Systems Seminar, 2009.
Carnegie Mellon University, Joint OB-HCIS Seminar, 2009.
Academy of Management Annual Meeting, Chicago, 2009.
Communities and Technology Conference, Keynote Address, Pennsylvania State University, 2009.
Massachusetts Institute of Technology Sloan School of Management, Organizational Studies Seminar, 2008.
Berkman Center Seminar Series, Harvard Law School, 2008.

Complex Innovation Projects without Managers

Massachusetts Institute of Technology Sloan School of Management, Leadership Seminar Series, 2010.
Stanford Conference on Distributed Innovation, 2008.

Broadcast Search and Solution Finding in Scientific Problem Solving

Oxford Internet Institute and Said Business School, Oxford University, 2008.
PICMET Conference, Istanbul, 2006.
POMS Annual Conference, Boston, 2006.
UC Berkeley School of Information, 2006.
New York University, IOMS – Information Systems Group Seminar, 2006.
Harvard Business School, Technology and Operations Management Seminar, 2006.
Wharton School Management Department, 2006.
INFORMS, Organization Science College, 2005.
3rd Annual International User Innovation Workshop, Massachusetts Institute of Technology, 2005.

Boston College, Innovation Research Network Workshop, 2005.

The Primacy of the Periphery in Open Source Communities

Academy of Management Invited Panel, 2007.

5th Annual User Innovation Workshop, Copenhagen Business School, 2007.

Vienna University of Economics and Business Administration, 2006.

New York University, IOMS – Information Systems Group Seminar, 2005.

Stanford University, SCANCORE Workshop on Distributed Knowledge, 2005.

Substitutes for “Management” in Open Source Communities

European Academy of Management, Open Innovation Track Keynote, HEC-Paris, 2007.

INFORMS, Technology Management Track, 2004.

Oxford Internet Institute, Workshop on “Libre” Source, 2004.

Copenhagen Business School, Center for Knowledge Governance, 2004.

Motivation and Effort in Open Source communities

University of Hawaii, Information Technology Workshop, 2003.

Massachusetts Institute of Technology, Science, Technology & Society Program, 2003.

University of Maryland, NSF – WebShop, 2003.

How Open Source Software Works: Free User-to-User Support

Harvard Business School, Technology and Operations Management Seminar, 2001.

New York University, Stern School of Business, Intangibles Assets Conference, 2000.

Setting an Agenda for Open Source Research

NSF, Workshop on Academic Directions for Open Source Research, 2001.

PROFESSIONAL ACTIVITIES

Journals

2015–present Associate Editor, Information Systems Department, *Management Science*

2015 Co-editor, special issue on organizing crowds and innovation for
Strategic Entrepreneurship Journal

2015 Co-editor, special issue on collaboration and value creation in online
communities for *Information Systems Review*

2014–present Editorial Board Member, *Academy of Management Journal*

2013–present Editorial Advisory Board Member, *MIT Sloan Management Review*

2005 Co-editor, special issue on open source software development for

Software Process: Improvement and Practice Journal

Ad-hoc reviewer: *ACM Communications, American Economic Review, American Sociological Review, Electronic Markets, Information Economics and Policy, Information Systems Review, Journal of Management Information Systems, MIS Quarterly, Management Science, National Science Foundation, Research Policy, Organization Science, Organization Studies*

Conferences, Seminars, and Workshops

- 2010–present Co-organizer, Harvard Business School Digital Seminar
- 2014–present Co-organizer, Charles River Distinguished Lecture and Doctoral Workshop
- 2016 Co-chair, Academic Program Committee, Collective Intelligence Conference, New York University
- 2016, 2014, 2011, 2009 Co-organizer, Annual Open and User Innovation Workshop (~200 academic attendees)
- 2009 Co-organizer, Harvard Business School Digital Economy Symposium
- 2005–2006 Co-organizer, Massachusetts Institute of Technology Innovation and Entrepreneurship Research Seminar
- 2002–2005 Co-organizer, workshop on open source software engineering at the International Conference on Software Engineering
- 2003 Co-organizer, Harvard Business School–Massachusetts Institute of Technology Sloan Open Source Software Conference (~ 90 Attendees from academia and industry)
- 2002–2003 Organizer, technology, innovation, and entrepreneurship research seminar at Massachusetts Institute of Technology
- 1996 Co-organizer, IEEE International Engineering and Management Society Conference, Vancouver, BC (~500 Attendees)

Harvard University Activities

- 2016 – present Member of Harvard University Data Science Policy and Education Committee

- 2013–present Co-founder & Core Faculty, Harvard Business School Digital Initiative
- 2011–2012 Member, Harvard University Faculty Advisory Library Committee
- 2010–2014 Member, Technology and Operations Management Unit Faculty Recruiting Committee
- 2009–2010 Member, Harvard Business School Senior IT Faculty Search Committee
- 2008–2012 Faculty Advisor, Harvard Business School Chief Information Officer
- 2008–2009 Member, Harvard Business School Academic Open Access Policy

Postdoctoral and Doctoral Advising

Postdoctoral supervisor at Harvard, NASA Tournament Laboratory, and Harvard Catalyst: Andrea Blasco (current), Ina Ganguli (University of Massachusetts-Amherst), Patrick Gaule (CERGE-EI, Charles University, Prague), Katja Hutter (University of Innsbruck), Michael Menietti (current), Annika Mueller (University of Groningen), and Chris Reidl (Northeastern University).

Doctoral Dissertation Committee Member: James Sappenfield (current), Frank Nagle (current), Hila Lifshitz-Assaf (2014–New York University Placement), Mark Szigetty (2010), and Lyra Colfer (2009).

COMMUNITY SERVICE

- 2010 Team Leader, Knowledge Society and Its Implications for Community, Aga Khan US National Council for USA.
- 2005 Advisory Committee Member, advising Mozilla Foundation Board of Directors on the establishment of a for-profit subsidiary firm.
- 2005 Special Projects Team Member, Consult Chair of Aga Khan Education Board for USA on various local and global education initiatives.
- 2005–2007 Scholarship application interviewer and reviewer, reviewing US-based applicants for Aga Khan Foundation International Graduate Scholarships Programs.
- 2002–2004 Co-organizer, College Expedition, helping organize New England college tour for high potential students in the Ismaili Muslim community.
- 1990–1993 Founder, McMaster Japan Student Research Initiative, Japan, student-

organized program to study Japanese management of technology and innovation, followed by a study visit to high-tech companies in Japan.

1991–1992

General Manager, *Project Magazine*, national magazine for undergraduate engineering students in Canada, circulation 20,000.