RAHUL KAPOOR
Management Department, The Wharton School, University of Pennsylvania,
2207 Steinberg Hall-Dietrich Hall, 3620 Locust Walk, Philadelphia, PA 19104-6370
Tel: +1-215-898-6458 · Fax: +1-215-898-0401, Email: kapoorr@wharton.upenn.edu
http://www.management.wharton.upenn.edu/kapoor/

RESEARCH INTERESTS

Innovation, Technology Management and Strategy, Industry Evolution, Firm Boundaries, Business Ecosystems

EDUCATION

2008 Ph.D. in Management, INSEAD, France

2006 M.Sc. in Management, INSEAD, France

2002 M.B.A., National University of Singapore, Singapore

1997 B.A.Sc. (First Class Honors), Nanyang Technological University, Singapore

ACADEMIC APPOINTMENT

The Wharton School, University of Pennsylvania
Associate Professor of Management (with tenure), 2015-Present
Assistant Professor of Management, 2008-2015

RESEARCH AND PUBLICATIONS

A. Papers in Refereed Journals

Ron Adner and Rahul Kapoor (2015), "Innovation Ecosystems and the Pace of Substitution: Re-examining Technology S-curves," *Strategic Management Journal*, doi:10.1002/smj.2363 (early view).

Rahul Kapoor and Thomas Klueter (2015), "Decoding the Adaptability-Rigidity Puzzle: Evidence from Pharmaceutical Incumbents' Pursuit of Gene Therapy and Monoclonal Antibodies," *Academy of Management Journal*, 58(4): 1180-1207.

- Best Paper Award in Innovation Management - second prize, 2014
- Giarratani Rising Star Award - finalist, Industry Studies Association, 2014

Rahul Kapoor and Nathan Furr (2015), "Complementarities and Competition: Unpacking the Drivers of Entrants' Technology Choices in the Solar Photovoltaic Industry," *Strategic Management Journal*, 36(3): 416-436.

Rahul Kapoor and Patia J. McGrath (2014), "Unmasking the Interplay between Technology Evolution and R&D Collaboration: Evidence from the Global Semiconductor Manufacturing Industry, 1990-2010," *Research Policy*, 43(3): 555-569.

Rahul Kapoor (2013), "Persistence of Integration in the Face of Specialization: How Firms Navigated the Winds of Disintegration and Shaped the Architecture of the Semiconductor Industry," *Organization Science*, 24(4): 1195-2013.

Rahul Kapoor and Joon Mahn Lee (2013), "Coordinating and Competing in Ecosystems: How Organizational Forms Shape New Technology Investments," *Strategic Management Journal*, 34(3): 274-296.

- Best Paper Proceedings, Academy of Management Annual Meeting, 2010

Rahul Kapoor (2013), "Collaborating with Complementors: What do Firms do?" *Advances in Strategic Management*, 30: 3-25.

- Lead Article, Annual Volume on "Collaboration and Competition in Business Ecosystems."

Rahul Kapoor and Ron Adner (2012), "What Firms Make vs. What They Know: How Firms' Production and Knowledge Boundaries Affect Competitive Advantage in the Face of Technological Change," *Organization Science*, 23(5): 1227-1248.

- Lead Article, Special Issue on "Organizational Economics and Organizational Capabilities: From Opposition and Complementarity to Real Integration."
- INFORMS-Industry Studies Association Best Paper Prize - first runner-up, 2013
- Best Paper Award in Innovation Management - second prize, 2013
- Best Paper Proceedings, Academy of Management Annual Meeting, 2008

Ron Adner and Rahul Kapoor (2010), "Value Creation in Innovation Ecosystems: How the Structure of Technological Interdependence Affects Firm Performance in New Technology Generations," *Strategic Management Journal*, 31(3): 306-333.

- Highly Cited Paper, Thomson Reuters Citation Index (Top 1% of the academic field of Economics & Business).

Rahul Kapoor and Kwanghui Lim (2007), "The Impact of Acquisitions on the Productivity of Inventors at Semiconductor Firms: A Synthesis of Knowledge-Based and Incentive-Based Perspectives," *Academy of Management Journal*, 50(5): 1133-1155.

- Best Paper Proceedings, Academy of Management Annual Meeting, 2005
- Carolyn Dexter Award Nominee, Academy of Management Annual Meeting, 2005

B. Other Research Awards

- Emerging Scholar Award, Academy of Management Technology and Innovation Management (TIM) Division, 2011
- Dorinda and Mark Winkelman Distinguished Scholar Award, The Wharton School, 2011
- Sloan Industry Studies Best Dissertation Award - finalist, 2008

C. Other Published Papers

Rahul Kapoor and Ron Adner (2007), "Technology Interdependence and the Evolution of Semiconductor Lithography," *Solid State Technology*, 50(11): 51-54.

D. Reports and Other Materials

Rahul Kapoor and Andrew Kohm (2012), "Tesla Motors Inc." Wharton Case Study #84.

Rahul Kapoor (2012), "Managing Complexity and Change in the Semiconductor Ecosystem: A Report on the Findings from the Wharton-ATREG Industry Study."

Rahul Kapoor (2011), "Collaborative Innovation in the Global Semiconductor Industry: A Report on the Findings from the 2010 Wharton-GSA Semiconductor Ecosystem Survey."

Rahul Kapoor, Daniel Levinthal, and Dalglish Chew (2009), "E-Books in 2009: Did the Long Heralded Revolution Finally Arrive?" Wharton Case Study #48.

E. Working Papers

Rahul Kapoor and Shiva Agarwal, "Sustaining Superior Performance in Business Ecosystems: Evidence from Application Software Developers in the iOS and Android Smartphone Ecosystems."

Thomas Klueter and Rahul Kapoor, "Swimming Against the Current: Examining the Relationship between Radical Innovation and Startup Firm Market Value."

Joon Mahn Lee and Rahul Kapoor, "Strategy-Structure Fit: Intra-industry Diversification, Governance Mode and Firm Performance."

F. Research in Progress

- Organizing for Complements (with Olivier Chatain)
- Technological Change in the Electric Utilities Industry (with John Eklund)
- Evolution of the Solar Photovoltaic Industry (with Nathan Furr)
- Interdependence and Industry Evolution (with Martin Ganco and Gwendolyn Lee)

G. Research Seminars

- Imperial College London, 2014
- INSEAD, 2014
- Temple University, 2014
- Purdue University, 2013
- Bocconi University, 2013
- Northwestern University, 2013
- University of Michigan, 2013
- London Business School, 2008, 2012, 2013
- Seoul National University, 2013
- Stanford University, 2012
- Drexel University, 2012
- University of Cambridge, 2012
- City University London, 2012
- Wharton School Bowman Seminar, 2010, 2012

- Wharton School Evolution of Organizations and Industries Seminar, 2010
- University of Melbourne, 2010
- National University of Singapore, 2005, 2008, 2010
- Boston University, 2008
- New York University, 2008
- Singapore Management University, 2008
- University of California (Los Angeles), 2008
- University of Maryland, 2008
- University of Pennsylvania, 2008
- University of Washington, 2008

H. Conference Presentations

Rahul Kapoor and Shiva Agarwal, "Sustaining Superior Performance in Business Ecosystems: Evidence from Application Software Developers in the iOS and Android Smartphone Ecosystems."

- IESE Strategy and Entrepreneurship Winter Mini-Conference, 2014
- Academy of Management Annual Meeting, Philadelphia, PA, 2014
- Atlanta Competitive Advantage Conference, Atlanta, GA, 2014

Rahul Kapoor and Thomas Klueter, "Decoding the Adaptability-Rigidity Puzzle: Evidence from Pharmaceutical Incumbents' Pursuit of Gene Therapy and Monoclonal Antibodies."

- Industry Studies Conference, Portland, OR, 2014
- Academy of Management Annual Meeting, Orlando, FL, 2013

Rahul Kapoor and Nathan Furr, "Complementarities and Competition: Unpacking the Drivers of Entrants' Technology Choices in the Solar Photovoltaic Industry."

- BYU/University of Utah Winter Strategy Conference, Salt Lake City, UT, 2013
- West Coast Research Symposium on Technology Entrepreneurship, Seattle, WA, 2013

Rahul Kapoor, "Persistence of Integration in the Face of Specialization: How Firms Navigated the Winds of Disintegration and Shaped the Architecture of the Semiconductor Industry."

- Industry Studies Conference, Pittsburgh, PA, 2012
- Columbia Business School Strategy Conference, 2011
- University of Maryland Smith Entrepreneurship Research Conference, 2011
- Symposium on Causes, Consequences and Limits of Vertical Disintegration, Academy of Management Annual Meeting, San Antonio, TX, 2011

Ron Adner and Rahul Kapoor, "Innovation Ecosystems and the Pace of Substitution: Re-examining Technology S-curves."

- Symposium on the Complicated Life of Technology Transitions, Academy of Management Annual Meeting, Boston, MA, 2012
- University of Maryland Smith Entrepreneurship Research Conference, 2012

- Industry Studies Conference, Pittsburgh, PA, 2011
- West Coast Research Symposium on Technology Entrepreneurship, Eugene, OR, 2010

Rahul Kapoor and Patia McGrath, "Unmasking the Interplay Between Technology Evolution and R&D Collaboration: Evidence from the Global Semiconductor Industry, 1990-2010."

- Industry Studies Conference, Pittsburgh, PA, 2011
- Symposium on Enabling Innov ation Outside the Firm, Academy of Management Annual Meeting, San Antonio, TX, 2011

Rahul Kapoor and Joon Mahn Lee, "Coordinating and Competing in Ecosystems: How Organizational Forms Shape New Technology Investments."

- Academy of Management Annual Meeting, Montréal, Canada, 2010
- Atlanta Competitive Advantage Conference, Atlanta, GA, 2010
- New York University Economics of Strategy Mini-conference, 2009

Rahul Kapoor and Ron Adner, "What Firms Make vs. What They Know: How Firms' Production and Knowledge Boundaries Affect Competitive Advantage in the Face of Technological Change."

- Organization Science Special Issue Conference, Bergen, Norway, 2010
- BYU/University of Utah Winter Strategy Conference, Salt Lake City, UT, 2010
- Atlanta Competitive Advantage Conference, Atlanta, GA, 2009
- Academy of Management Annual Meeting, Anaheim, CA, 2008
- CCC Conference, Atlanta, GA, 2007

Ron Adner and Rahul Kapoor, "Value Creation in Innovation Ecosystems: How the Structure of Technological Interdependence Affects Firm Performance in New Technology Generations."

- Strategic Management Society Conference, Vienna, Austria, 2006

Rahul Kapoor and Kwanghui Lim, "The Impact of Acquisitions on the Productivity of Inventors at Semiconductor Firms: A Synthesis of Knowledge-Based and Incentive-Based Perspectives."

- Academy of Management Annual Meeting, Honolulu, HI, 2005

TEACHING

The Wharton School, University of Pennsylvania

- Technology Strategy (MGMT 731)
    - MBA Elective Course, 2009-present
    - MBA for Executives (WEMBA West) Elective Course, 2011-present
    - MBA for Executives (WEMBA East) Elective Course, 2013-present
- Management of Technology (MGMT 237), Undergraduate Elective Course, 2015
- Managing the Emerging Enterprise (MGMT 612), MBA Flexible Core Course, 2012-2014
    - Co-taught with Peter Cappelli and Mauro Guillén

- Competitive Strategy (MGMT 654), MBA Core Course, 2008-2011
- Wharton Business and Law Certificate, 2012-present
- Wharton Certificate of Management for Penn Law, 2013-present

PROFESSIONAL ACTIVITIES

A. Wharton Activities

- Co-organizer of the Annual Wharton Technology Conference, 2010-2015
- Member of Doctoral Dissertation Committee
  - Ramkumar Ranganathan (first placement: University of Texas at Austin)
  - Joon Mahn Lee (first placement: Purdue University)
  - Thomas Klueter (first placement: IESE, Spain)
- MBA Executive Committee, 2015
- Chair, Strategy Area Recruiting Committee, 2015
- Member of Strategy Area Recruiting Committee, 2012, 2013
- Member of Entrepreneurship Area Recruiting Committee, 2011
- Member of Strategy Area Doctoral Qualifying Exam Committee, 2009, 2011, 2013, 2015
- Member of Management Department Seminar Committee, 2009, 2012, 2013
- Co-host of the show "Innovation Navigation" on Business Radio Powered by the Wharton School on SiriusXM Channel 111, 2014-Present

B. Editorial Boards, Reviewing and Other Academic Community Activities

- Editorial Board, *Strategy Science*, 2014-present
- Editorial Board, *Organization Science*, 2013-present
- Editorial Board, *Strategic Management Journal*, 2013-present
- Editorial Board, *Academy of Management Journal*, 2010-present
- Elected Positions
  - Executive Committee, Business Policy and Strategy (BPS) Division, Academy of Management, 2013-2015
  - Representative-at-Large, Competitive Strategy Interest Group (CSIG), Strategic Management Society, 2013-2015
  - Representative-at-Large, Technology and Innovation Management (TIM) Division, Academy of Management, 2012-2014
- Nominated Positions
  - Member, Research Committee of the BPS Division, Academy of Management, 2011-2013
  - Member, Early Career Development Committee, Industry Studies Association, 2012-2014
- Discussant
  - BYU/Univ. Utah Winter Strategy Conference, Park City, UT, 2015
  - Entrepreneurship and Innovation Research Conference Co-organized by U. of Virginia Darden School of Business and University of Cambridge Judge Business School, 2013
  - 20th Consortium on Competition and Cooperation (CCC), Kansas City, 2013

  - Organization Science Special Issue Conference, Bergen, Norway, 2010
- Invited Panelist
  - Strategic Management Society Annual Conference, 2015
  - BPS Junior Faculty Consortium, Academy of Management Annual Meeting, 2014
  - BPS Dissertation Consortium, Academy of Management Annual Meeting, 2014
  - TIM Doctoral Consortium, Academy of Management Annual Meeting, 2012
  - Faculty Symposium at 19th CCC, University of Maryland, 2012
  - BPS Doctoral Consortium, Academy of Management Annual Meeting, 2011
- Co-organizer of the Professional Development Workshop on Firms, Ecosystems and Innovation, Academy of Management Annual Meeting, 2010, 2011
- Reviewer for *Administrative Science Quarterly*, *Management Science* (Strategy, Innovation and Organizations Departments), *Research Policy*, *Strategic Entrepreneurship Journal*
- Reviewer for Academy of Management Annual Meeting, BPS and TIM divisions, various years

C. Professional Affiliations and Memberships

- Academy of Management, BPS and TIM divisions
- Strategic Management Society
- Industry Studies Association
- Strategy Research Forum

OTHER AWARDS, GRANTS AND HONORS

A. Other Awards and Honors

- Outstanding Reviewer Award, Academy of Management Business Policy and Strategy (BPS) Division, 2012
- INSEAD Ph.D. Fellowship, 2004-2008
- Nanyang Technological University Natsteel Gold Medal, 1997
- Singapore Airlines-Neptune Orient Lines Undergraduate Scholarship, 1993-1997

B. Grants

- Global Initiatives Research Program and Mack Institute for the Project "Innovation and Technological Change in the Energy Sector," 2015
- Mack Center for the Project "Emergence of Gene Therapy Technology," 2012
- Dean's Research Fund for the Project "Technology Evolution and Inter-Firm Collaboration Networks," 2011
- Global Initiatives Research Program for the Project "Firms, Ecosystems and Innovation," 2010-2013
- Mack Center for the Project "Innovating in Ecosystems: Linking Technological Interdependencies to Firm Strategies and Innovation Outcomes," 2009

OTHER PROFESSIONAL EXPERIENCES

UTAC (Semiconductor Manufacturer), Singapore, Manager, 1999-2004

- Part of a start-up team.
- Built and managed an organization of 12 engineers and two section managers responsible for technology development and commercialization.
- Managed strategic relationships with customers, suppliers, and external R&D labs.

B2C.com (Internet Application Provider), Singapore, Co-founder, 1999-2001

- Created and implemented a business model for developing virtual communities in Asia.
- Managed a joint venture with an IT firm.
- Formed partnerships with different community stakeholders to join the web portal.

Texas Instruments (Semiconductor Manufacturer), Singapore, Engineer, 1997-1999

- Part of a global product development team responsible for new memory chips.
- Implemented a technology transfer from a U.S.-based licensor.

PERSONAL INFORMATION

- U.S. citizen
- Married, two children born 2001 and 2007