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RESEARCH INTERESTS

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, Assistant Professor of Management (2008-present)

RESEARCH AND PUBLICATIONS

A. Papers in Refereed Journals

[1] Rahul Kapoor and Thomas Klueter (2014), "Decoding the Adaptability-Rigidity Puzzle: Evidence from Pharmaceutical Incumbents' Pursuit of Gene Therapy and Monoclonal Antibodies," *Academy of Management Journal*, doi:10.5465/amj.2013.0430 (early view).

[2] Rahul Kapoor and Nathan Furr (2014), "Complementarities and Competition: Unpacking the Drivers of Entrants' Technology Choices in the Solar Photovoltaic Industry," *Strategic Management Journal*, doi: 10.1002/smj.2223 (early view).

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

[4] 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.

[5] 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.

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

[7] 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.

[8] 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.

[9] 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.

B. Working Papers

[10] Rahul Kapoor and Shiva Agarwal, "Unpacking the Temporary Nature of Competitive Advantage: Evidence from Application Software Developers in the U.S. Smartphone Ecosystem."

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

[12] Joon Mahn Lee and Rahul Kapoor, "Coordination within Multiproduct Firms: Implications of Organizational Forms on Firms' Product Portfolio Decisions."

C. Other Published Papers

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

D. Reports and Other Materials

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

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

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

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

E. Awards

- Emerging Scholar Award, Academy of Management Technology and Innovation Management (TIM) Division, 2011
- Giarratani Rising Star Award - finalist, Industry Studies Association, 2014
- INFORMS-Industry Studies Association Best Paper Prize - first runner-up, 2013
- Best Paper Proceedings, Academy of Management Annual Meeting, 2010

- Best Paper Proceedings, Academy of Management Annual Meeting, 2008
- Sloan Industry Studies Best Dissertation Award - finalist, 2008
- Best Paper Proceedings, Academy of Management Annual Meeting, 2005

F. Research in Progress

- Technology Forecasting in Innovation Ecosystems (with Ron Adner)
- Organizing for Complements (with Olivier Chatain)
- Dynamics of Integration and Specialization (with Nathan Furr)
- Interdependence and Industry Evolution (with Martin Ganco and Gwendolyn Lee)
- Pursuit of Radical Technologies by New and Established Firms (with Thomas Klueter)

G. Research Seminars

- 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 Thomas Klueter, "Decoding the Adaptability-Rigidity Puzzle: Evidence from Biopharmaceutical 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 Capabilities: 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 Innovation 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
- National University of Singapore, 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
- Managing the Emerging Enterprise (MGMT 612), MBA Flexible Core Course, 2012-present
    - 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, 2011, 2012, 2013, 2014
- 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)
- 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
- Member of Management Department Seminar Committee, 2009, 2012, 2013

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
  - 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
  - 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

- Second Prize, Best Paper Award in Innovation Management (Co-organized by EBS Business School and MikroFORUM, Germany), 2013
- Outstanding Reviewer Award, Academy of Management BPS Division, 2012
- Dorinda and Mark Winkelman Distinguished Scholar Award, Wharton School, 2011

- Carolyn Dexter Award Nominee, Academy of Management Annual Meeting, 2005
- INSEAD Ph.D. Fellowship, 2004-2008
- Nanyang Technological University Natsteel Gold Medal, 1997
- Singapore Airlines-Neptune Orient Lines Undergraduate Scholarship, 1993-1997

B. Grants

- 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 for the development of new technologies.

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, Product Development 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 to the manufacturing facility.

PERSONAL INFORMATION

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

Last Updated: May 2014