



# HARVARD | BUSINESS | SCHOOL

February 2009

## Lee Fleming

6 Athens Street Unit B  
Cambridge, MA 02138  
(617) 491-8906

### EDUCATION

- 1998      Ph.D., Organizational Behavior, Department of Industrial Engineering, Stanford University
- Dissertation: “Explaining the Source and Tempo of Invention: Recombinant Learning and Exhaustion in Technological Evolution”
- Committee: Stephen Barley (chair), William Barnett, Michael Hannan, and James March
- 1996      M.S., Statistics, Stanford University
- 1992      M.S., Engineering Management (part-time honors cooperative sponsored by Hewlett Packard), Stanford University
- 1985      B. S., Electrical Engineering, University of California, Davis

### HARVARD UNIVERSITY

#### Appointments

- 7/1/08–      Albert J. Weatherhead III Professor of Business Administration,  
Technology and Operations Management Unit, Harvard Business School
- 7/1/05–6/30/08      Associate Professor, Technology and Operations Management Unit,  
Harvard Business School
- 7/1/03–6/30/05      Lumry Family Associate Professor of Business Administration,  
Technology and Operations Management Unit, Harvard Business School

7/1/98–6/30/03

Assistant Professor, Technology and Operations Management Unit,  
Harvard Business School

## Assignments

- 2008-2009 *Inventing Breakthroughs and Commercializing Science* (Business 2107)  
*Building Green Businesses* (Business 6611)  
*Applied Methods Seminar* (Government 3009)  
*Economics and Business of Science* (Government 2880)  
*Strategies for Protecting and Monetizing IP* (Executive Education)  
*DBA Work in Progress Seminar* (Doctoral Program)  
Member, Harvard University Science and Engineering Committee  
Member, Search Committee, Dean of School of Applied Sciences and Engr  
Program Chair, Doctorate of Business Administration Program  
Program Head, Technology and Operations Management Doctoral Program  
Member, Information and Technology Management Ph.D. Committee  
Member, Doctoral Program and Admissions Committee  
Member, Steering Committee, Institute for Quant Research in the Social Sciences  
Chair, Dissertation Committee: M. Marx  
Member, Dissertation Committee: S. Mingo
- 2007-2008 *Inventing Breakthroughs and Commercializing Science* (Business 2107)  
*Science-Based Business Models* (Elective Curriculum)  
*Applied Methods Seminar* (Government 3009)  
*Management of Technological Innovation* (University Doctoral Course)  
*TOM Unit DBA Seminar* (Doctoral Course)  
*Leading Product Development* (Executive Education)  
*Leading Science-Based Businesses* (Executive Education)  
*Leadership and Strategy in Pharmaceuticals* (Executive Education)  
Member, Search Committee, Dean of School of Applied Sciences and Engr  
Program Head, Technology and Operations Management Doctoral Program  
Member, Information and Technology Management Ph.D. Committee  
Member, Doctoral Program and Admissions Committee  
Member, Dissertation Committee: F. Cavaretta (INSEAD)  
Member, Field Exam Committee: V. Kuppuswamy, C. Liu, M. Marx, R. Fung  
Faculty Advisor, MBA Field Studies: Purdue Solar Technologies, Microbial  
Energy, Stereo-Jet, Diagnostics For All, Novel Anti-depressant, International  
Technology Acquisition Analysis  
Member, Steering Committee, Institute for Quant Research in the Social Sciences
- 2006-2007 *Commercializing Science and High Technology* (Business 2107)  
*Applied Methods Seminar* (Government 3009)  
*Leading Science-Based Businesses* (Executive Education)  
*Leadership and Strategy in Pharmaceuticals* (Executive Education)  
Program Head, Technology and Operations Management Doctoral Program

Member, Information and Technology Management Ph.D. Committee  
Member, Doctoral Program and Admissions Committee  
Member, Field Exam Committee for A. Aifer  
Member, Dissertation Committees for X. Zhong (U. of Chicago) and  
T. Langenberg (EPFL Lausanne)  
Member, Senior Thesis Committee for J. Bolian  
Faculty Advisor, MBA Field Studies: HealthEva  
Faculty Associate, Institute for Quantitative Research in the Social Sciences

2005-2006 *Commercializing Science and High Technology* (Business 2107)  
*Applied Methods Seminar* (Government 3009)  
*Leading Product Development* (Executive Education)  
*Science, Technology, and Innovation Policy* (KSG Executive Education)  
Program Head, Technology and Operations Management Doctoral Program  
Member, Technology and Operations Management Hiring Committee  
Member, Information and Technology Management Ph.D. Committee  
Member, Doctoral Program and Admissions Committee  
Member, Field Exam Committee for S. Mingo  
Member, Dissertation Committee for J. Kim  
Faculty Advisor, MBA Field Studies: PARC Solar Cell Commercialization  
Faculty Associate, Institute for Quantitative Research in the Social Sciences

2004-2005 *Commercializing Science and High Technology* (Business 2107)  
*Management of Technological Innovation* (University Doctoral Course)  
*Applied Methods Seminar* (Government 3009)  
*Leading Product Development* (Executive Education)  
Program Head, Technology and Operations Management Doctoral Program  
Member, Information and Technology Management Ph.D. Committee  
Member, Doctoral Program and Admissions Committee  
Member, Field Exam Committee for S. Kesavan

2003-2004 *Managing Innovation* (Elective Curriculum)  
*Management of Technological Innovation* (University Doctoral Course)  
*Applied Methods Seminar* (Government 3009)  
*Leading Product Development* (Executive Education)  
Member, Doctoral Policy Committee  
Member, Doctoral Program and Admissions Committee  
Member, Field Exam Committees for X. Zhong (U. of Chicago) and D. Zinner  
Faculty Advisor, MBA Field Studies: European NanoTech

2002-2003 *Managing Product Development* (Elective Curriculum)  
*Management of Technological Innovation* (University Doctoral Course)  
*Applied Methods Seminar* (Government 3009)  
Member, Doctoral Policy Committee  
Member, Doctoral Program and Admissions Committee  
Member, Field Exam Committees for S. Chauduri, G. Clarkson, and J. Kim

- 2001-2002    *Technology and Operations Management* (Required Curriculum)  
*Management of Technological Innovation* (University Doctoral Course)  
*Applied Methods Seminar* (Government 3009)  
Member, Doctoral Policy Committee  
Member, Doctoral Program and Admissions Committee
- 2000-2001    *Technology and Operations Management* (Required Curriculum)  
*Management of Technological Innovation* (University Doctoral Course)  
Member, Doctoral Policy Committee  
Member, Doctoral Program and Admissions Committee
- 1999-2000    *Technology and Operations Management* (Required Curriculum)  
*Crimson Greetings* (Foundations Program, Required Curriculum)
- 1998-1999    *Technology and Operations Management* (Required Curriculum)  
*Quantitative Methods* (Foundations Program, Required Curriculum)

**Academic assignments prior to appointment at Harvard**

Teaching Assistant, School of Engineering, Stanford University

- 1997-1998    IE 161 Technology and War (Adams)  
IE 180 Undergraduate Final Projects (Barley)  
IE 270 Managing Technology for Competitive Advantage (Kosnik)
- 1996-1997    IE 180 Undergraduate Final Projects (Brandeau)  
IE 203 Organizational Behavior (Hargadon)  
IE 268 Manufacturing Strategy (Carlson)
- 1995-1996    IE 180 Undergraduate Final Projects (Hausman)  
IE 220 Management and Organization of Research and Development (Barley)
- 1994-1995    IE 203 Organizational Behavior (Sutton)  
IE 268 Manufacturing Strategy (Carlson)  
IE 269 Marketing Strategy (Kosnik)

Teaching Assistant, Graduate School of Business, Stanford University

- 1995-1996    T357 Manufacturing Strategy (Carlson)

Teaching Assistant, School of Engineering, University of California, Davis

- 1984-1985    ECE 110 Integrated Circuit Design and Fabrication (Churchill, Current)

Research Assistant, Graduate School of Business, Stanford University

1995-1996     Designed and implemented scanning, optical character recognition, and event-history database for 40-year history of computer industry, with Olav Sorenson (under direction of Professor William Barnett).

Research Assistant, School of Engineering, Stanford University

1993-1994     Designed and built database for semiconductor startup dataset. Designed and analyzed event-history models of population dynamics and alliance formation (under direction of Professor Kathleen Eisenhardt).

Research Assistant, School of Engineering, University of California, Davis

1984-1985     Developed oxidation curves and spin-on dopant methodology (under direction of Professor John Churchill).

## **WORK EXPERIENCE**

### **Professional**

1997-1998     Product Innovation and Strategy Consultant, Strategic Planning and Management, Hewlett Packard, Palo Alto, CA.

Developed a strategic innovation framework with S. Kaplan and M. Tushman.

1993           Member of Integrated Circuits Business Division Staff, Hewlett Packard, Palo Alto, CA.

Investigated and recommended supply chain solutions in integrated-circuits manufacturing.

1992           Design Engineer, California Design Center, Hewlett Packard, Santa Clara, CA.

Responsible for hiring, design, and design for manufacturability reviews.

1988-1991     Research Engineer, Hewlett Packard Laboratories/ICBD, Palo Alto, CA.

Performed research on integrated-circuit testing and design for test. Responsible for the diffusion and application of group's research results, tools, and methodologies to HP divisions. Developed and taught two-day course across HP sites and consulted for product development efforts in workstations, personal computers, printers, plotters, and networking hardware.

1985-1988     Product Engineer, Colorado Integrated Circuit Division, Hewlett Packard, Ft. Collins, CO.

Took high-performance leading-edge integrated circuits from design through manufacturing release. Designed test circuitry, simulated design, wrote test vectors and vector translation tool, performed manufacturing characterization, and resolved technical and organizational problems in the design/manufacturing interface.

1971-1980 Musician and Section Lead, Musician's Local 510, Fremont, CA.

Performed French Horn in classical and chamber orchestras and municipal bands. Toured twice (at the ages of 9 and 11) with brass ensembles in southern Germany, the second time as the sole horn player of a brass quintet. Promoted to section lead in five orchestras and bands.

## AWARDS AND HONORS

- 2007 With M. Marx, recipient of the 2007 Accenture Award for the most important contribution to improving the practice of management in the preceding volume of the *California Management Review*—for “Managing Creativity in a Small World”
- 2005 With O. Sorenson, recipient of the Richard R. Nelson Prize of 2005—sponsored by the Institute of Management, Innovation, and Organization, with *Industrial and Corporate Change* and *Research Policy*—for “Science and the Diffusion of Knowledge”
- 2005 With I. Baker, finalist, third annual Science and Engineering Visualization Challenge, sponsored by National Science Foundation and *Science*—for “The Co-evolution of Regional Innovation and Social Structure”
- 2005 With O. Sorenson and J. Rivkin, recipient of 2005 European Meeting on Applied Evolutionary Economics Best Paper Award, sponsored by the International Schumpeter Society—for “Complexity and the Diffusion of Knowledge”
- 1998 Walter Gruyter/Technology Studies Best Student Paper Award, Academy of Management, Technology and Innovation Management Division—for “Recombinant Uncertainty in Technological Search”
- 1985 Outstanding Senior, University of California, Davis
- 1984 Founder, University of California, Davis Nordic Ski Team (nationally ranked Div II)
- 1983 Gauntlet Award, U.S. Army ROTC Basic Training (ranked 9 of 934 cadets)
- 1980 Junior World Cycling Championship silver medalist
- 1980 U.S. Junior National Cycling Champion

- 1976 Young Artists Award, Fremont-Newark Philharmonic Orchestra
- 1974 Command performance, California Music Educators Association

## GRANTS

- 2008 NSF (199704): A Social Network Database of Patent Co-authorship to Investigate Collaborative Innovation and its Economic Impact (\$375K)
- 2008 With David Waguespack and Tim Simcoe, Net Institute Summer Grant Award (\$4.5K)

## DOCTORAL STUDENTS

- 2006 Kim, Jerry, "Network of Audiences: FDA Review Time and Innovation." Initial placement at Columbia University
- 2008 Marx, Matt. Initial placement at MIT
- 2008 Mingo, Santiago

## PUBLICATIONS

### Refereed Articles

With M. Marx and D. Strumsky, "Mobility, Skills, and the Michigan Non-compete Experiment," forthcoming in *Management Science*.

With D. Waguespack, "Scanning the Commons: Evidence on the Benefits to Startups Participating in Open Standards Development," *Management Science*, 55 (2009): 210-223.

With D. Chen and S. Mingo, "Collaborative Brokerage, Generative Creativity, and Creative Success." *Administration Science Quarterly*, 52 (2007): 443-475.

With C. King and A. Juda, "Small Worlds and Regional Innovation." *Organization Science*, Vol. 18, No. 2 (2007), pp. 938-954.

With D. Waguespack, "Brokerage, Boundary Spanning, and Leadership in Open Innovation Communities," *Organization Science*, Vol. 18, No. 2 (2007), pp. 165-180.

With J. Rivkin and O. Sorenson, "Informational Complexity and the Flow of Knowledge Across Social Boundaries." In *Applied Evolutionary Economics and Economic Geography*, ed. K. Frenken. Northampton, Ma: Edward Elgar, (2007), pgs. 147-160.

With K. Frenken, "The Evolution of Inventor Networks in the Silicon Valley and Boston Regions," *Advances in Complex Systems*, Vol. 10, No. 1 (2007) 53-71.

With M. Marx, "Managing Creativity in a Small World," *California Management Review* 48 (Summer 2006): 6-27.

With O. Sorenson and J. Rivkin, "Complexity, Networks and Knowledge Flow," *Research Policy* 35 (2006): 994-1017.

With M. Szigety, "Exploring the Tail of Creativity: An Evolutionary Model of Breakthrough Invention," *Advances in Strategic Management* (2006): 335-362.

With O. Sorenson, "Science and the Diffusion of Knowledge," *Research Policy* 33 (2004): 1615-1634.

With O. Sorenson, "Science As a Map in Technological Search," *Strategic Management Journal* 25 (2004): 909-928.

With O. Sorenson, "Navigating the Technology Landscape of Innovation," *Sloan Management Review* 44 (Winter 2003): 15-23.

"Finding the Organizational Sources of Technological Breakthroughs: The Story of Hewlett Packard's Ink Jet Invention," *Industrial and Corporate Change* 11 (2002): 1059-1084.

With O. Sorenson, "Technology As a Complex Adaptive System: Evidence from Patent Data," *Research Policy* 30 (2001): 1019-1040.

"Recombinant Uncertainty in Technological Search," *Management Science* 47 (2001): 117-132.

With C. Billington, "Technological Evolution, Standard Interfaces, and New Market Opportunities," in *POMS Series in Technology and Operations Management*, Volume 1, (1998): 30-41.

### **Non-refereed Articles**

"Breakthroughs and the "Long Tail" of Innovation," *Sloan Management Review*, Fall 2007, Vol. 49, No. 1, pp. 69-74.

With S. Mingo, "Creativity in New Product Development: An Evolutionary Integration." In *Kluwer Handbook on Product Development*, pgs. 113-134, eds. C. Loch and K. Stelios. London: Kluwer Academic Publishers.

With D. Brunner, A. MacCormack, and D. Zinner, "R&D Project Selection and Portfolio Management: A Review of the Past, a Description of the Present, and a Sketch of the Future." Pgs. 215-238, *Blackwell Handbook of Technology Management*, ed. Scott Shane. Malden, MA: Blackwell Publishing.

With L. Colfer, A. Marin, and J. McPhie, "Why the Valley Went First: Aggregation and Knowledge Flow in Regional Collaboration Networks." In *Market Emergence and Transformation*, eds. W. Powell and J. Padgett. Santa Fe, NM: Santa Fe Institute, forthcoming.

With M. Marx, "Managing Innovation in Small Worlds," *Sloan Management Review* 48 (2006): 8-9.

"Perfecting Cross Pollination," *Harvard Business Review* 82 (2004): 22-24.

With A. Juda, "A Network of Invention," *Harvard Business Review* 82 (2004): 6.

With P. Bromiley, "The Resource-Based View of Strategy: A Behavioral Critique." In *The Economics of Choice, Change, and Organizations: Essays in Memory of Richard M. Cyert*, eds. Mie Augier and James G. March. Cheltenham, UK: Edward Elgar, 2002.

With O. Sorenson, "The Dangers of Modularity," *Harvard Business Review* 79 (2001): 20-21.

Review of Fundamental Issues in Strategy: A Research Agenda, eds. Rumelt, Schendel, and Teece, *Administration Science Quarterly* 41 (1996): 196-198.

### **Cases, Notes, and Supplements**

With T. Perry, "Horizon Wind Energy." Harvard Business School 5-609701 (2008) Multi-media case.

"Inventing Breakthroughs and Commercializing Science: An Overview of the Course." Course Overview Note for Instructors, Harvard Business School note 5-607-108 (2007) [11].

"Key Concepts in a Module on Managing the Invention of Breakthroughs." Module Note for Instructors, Harvard Business School note 5-607-109 (2007) [24].

"Key Concepts in a Module on the Commercialization of Science." Module Note for Instructors, Harvard Business School note 5-607-110 (2007) [22].

"Materials and Logistics for a Multidisciplinary Course." Module Note for Instructors, Harvard Business School note 5-607-111 (2007) [12].

"Inventing Breakthroughs and Commercializing Science: Project Note for Students," Harvard Business School note 607-087 (2007) [5].

“Aptekar’s Unlikely Spin: Commercializing an MRI Breakthrough from Atomic Clocks and Quantum Computing.” Harvard Business School case N9-608-064 (2007) [17].

With J. Aptekar, “Aptekar’s Unlikely Spin: Commercializing an MRI Breakthrough from Atomic Clocks and Quantum Computing.” Harvard Business School teaching note 5-608-078 (2007) [7].

With T. Perry and L. Stein, “Engineering a Renaissance: The Launch of the Harvard School of Engineering and Applied Sciences.” Harvard Business School case N9-608-087 (2007) [19].

With T. Perry, “Agion Technologies, Inc.” Harvard Business School case N9-608-060 (2007) [18].

With T. Perry, “The Cutie Catheter.” Harvard Business School case N9-608-084 (2007) [13].

With T. Perry, “License or Start-up? A Junior Faculty Member’s Dilemma.” Harvard Business School case N9-608-085 (2007) [25].

With T. Perry, “Advanced Electron Beams.” Harvard Business School case N9-608-083 (2007) [20].

With T. Perry, “Advanced Electron Beams.” Harvard Business School teaching note 5-608-089 (2007) [5].

With M. Thursby, “InfoVision,” Harvard Business School teaching note 5-607-102 (2007) [9].

With M. Thursby and J. Quinn, “Supplement to InfoVision (A): Technology Transfer at Georgia Tech” 607-085 (2007) [5].

With M. Marx, “Barry Riceman at NetD,” Harvard Business School teaching note 5-607-107 (2007) [16].

With M. Thursby, “HP Nanotech: Partnership with CNSI,” Harvard Business School teaching note 5-607-105 (2007) [14].

With A. Marin, “The Process of Scientific Discovery,” Harvard Business School teaching note 5-607-126 (2007) [18].

“Epodia: Demise of the HBS Case-writing Monopoly?” Harvard Business School teaching note 5-607-104 (2007) [12].

With D. Snow, “SpudSpy,” Harvard Business School teaching note 5-607-103 (2007) [13].

“Intevis: Brokering the Boundaryless Career,” Harvard Business School teaching note 5-607-078 (2007) [12].

With Christopher Liu, "Merton's Ethos of Science: Excerpts and Summaries," Harvard Business School note for Students, 607-047 (2006) [2].

With M. Marx, "Barry Riceman at NetD (A)," Harvard Business School case 606-090 (2006) [10].

With M. Marx, "Barry Riceman at NetD (B)," Harvard Business School case 606-151 (2006) [4].

"Photovoltaic Breakthrough," Harvard Business School teaching note 5-606-085 (2006) [19].

With A. MacCormack, "Linux, Supplement to Epodia," Harvard Business School case 606-067 (2006) [5].

With J. Quinn: "ThinkCycle, Supplement to Epodia," Harvard Business School case 606-056 (2006) [2].

With J. Quinn, "Cambia, Supplement to Epodia," Harvard Business School case 606-057 (2006) [3].

With M. Thursby and J. Quinn, "HP Nanotech: Partnership with CNSI," Harvard Business School case 606-045 (2005) [24].

J. West and M. Vitale, "Commercialization at the Garvan Institute for Medical Research (A)," Harvard Business School case 606-051 (2005) [21].

With J. Quinn, "Epodia: Demise of the HBS case-writing Monopoly?" Harvard Business School case 605-077 (2005) [17].

With D. Snow, "SpudSpy," Harvard Business School case 605-059 (2005) [25].

With M. Thursby and J. Quinn, "InfoVision (A): Technology Transfer at Georgia Tech," Harvard Business School case 605-064 (2005) [22].

With M. Thursby and J. Quinn, "InfoVision (B): TI:GER Program Assessment," Harvard Business School case 605-065 (2005) [7].

With G. Pisano and Eli Strick, "Vertex Pharmaceuticals: R&D Portfolio Management (A)," Harvard Business School case 604-101 (2004) [24].

"Photovoltaic Breakthrough," Harvard Business School case 604-034 (2003) [22].

"Intevis: Brokering the Boundaryless Career," Harvard Business School case 602-148 (2002) [22].

“Textbooks Online (A), (B), (C), and (D)” Harvard Business School teaching note 5-600-065 (2000) [8].

With D. Debicella, S. Berman, and C. Kasper, “Textbooks Online (A),” Harvard Business School case 601-015 (2000) [15].

“Textbooks Online (B): TBO—First Day of Orders,” Harvard Business School case 601-016 (2000) [3].

“Textbooks Online (C),” Harvard Business School case 601-017 (2000) [2].

### **Work in Progress**

With Z. Acs, E. Glaeser, R. Litan, S. Goetz, W. Kerr, S. Klepper, S. Rosenthal, O. Sorenson, W. Strange, "Entrepreneurship and Urban Success: Toward a Policy Consensus" (January 2008). Available at SSRN: <http://ssrn.com/abstract=1092493>.

With J. Singh, “Lone Inventors as Sources of Technological Breakthroughs: Myth or Reality?” revision submitted to *Management Science*.

With T. Simcoe and D. Waguespack, “What’s in a Name? Status, Discrimination, and the Mathew Effect.” Working paper, Rotman School of Business.

With T. Simcoe and D. Waguespack, “Status Effects in Technological Communities.” Working paper, Rotman School of Business.

With J. Singh and M. Marx, “Regional Disadvantage: Non-competes, Brain Drains, and Knowledge Dissipation.” Working paper, Harvard Business School.

With R. Lai and A. D’Amour, “The careers and co-authorship networks of U.S. patent-holders, since 1975.” Working paper, Harvard Business School.

With M. Marx, “Mobility constraints and the value of social capital.” Working paper, Harvard Business School.

### **Patents and Engineering Publications**

With R. La Fetra, “VLSI chip having improved test access,” U.S. Patent #5,029,133.

With S. Walther, “Local tristate-control circuit for Automatic Test Program Generation,” U.S. Patent #5,136,185.

With R. Aitken and P. Maxwell, “Results and Applications of a Bridging Fault Test Methodology,” Hewlett Packard Design Technology Conference, San Diego, CA, May 1992.

With R. Aitken, R. LaFetra, and J. Brewer, "A Gate-Level Bridging-Fault Test Generation Methodology," Hewlett Packard Design Conference, Denver, CO, May 1991.

With R. Schleiger, "An Automatic Test Generation Methodology for In-Circuit Testing," Hewlett Packard Design Technology Conference, Denver, CO, May 1991.

With B. Frederick and B. Jung, "Applying Automatic Test Vector Generation on a Non-scan Custom Chipbuster Design," Hewlett Packard Design Technology Conference, Portland, OR, May 1990.

With D. Earl and E. Jew, "ATG: Innovations and Applications," Hewlett Packard Design Technology Conference, Portland, OR, May 1990.

## **PROFESSIONAL ACTIVITIES**

### **Editorial Appointments**

2008- Department Editor, Entrepreneurship and Innovation, *Management Science*

2008- Editor, *Research Policy*

2007-2008 Senior Editor, *Organization Science*

2005-2008 Assistant Editor, *Management Science*

### **Reviewer**

*Academy of Management Journal*

*Academy of Management Review*

*Administrative Science Quarterly*

*American Economic Review*

Austrian Science Fund

*California Management Review*

*European Management Review*

Harvard Business School Publishing

*Information Systems Research*

*Industrial and Corporate Change*

*Industry and Innovation*

*International Journal of Management Reviews*

*Journal of Economic Behavior and Organization*

*Journal of Engineering and Technology Management*

*Journal of International Business Studies*

*Journal of Production and Operations Management*

*Management Science*

National Science Foundation

*Organization Science*

*Research and Development Management*

*Research Policy*

*Review of Economics and Statistics*

*Science*

*Sloan Management Review*

*Social Forces*

*Strategic Management Journal*

*Urban Studies*

## **CONSULTING**

Curriculum Design, UC Santa Barbara School of Engineering, Masters Degree in Science and Technology Entrepreneurship

Board Member, Healtheva

## PRESS MENTIONS

HBS Annual Report 2008, Interview as Head of the Science Based Business Initiative

Blog Filter. "That noncompete pact may end up hurting recruiting." *The Boston Globe* (June 30, 2008).

Kanaracus, C. "Non-compete Pacts Called Bad for Tech Innovation." *PC World* (Friday, June 20, 2008).

Andron, S. "UM bets on biotech future." *Miami Herald* (Mon, Jun. 09, 2008).

Rhode Island Economic Policy Council, "A Rhode Island Economic Strategy: Growing the Top, Holding the Middle and Moving the Bottom Up." (January 2008).

Gudrais, E. "Retooling Tech Transfer." *Harvard Magazine* (January-February 2008).

Kirsner, S. "Why 'noncompete' means 'don't thrive.'" *The Boston Globe* (December 30, 2007).

Johnson, C. "Contract clauses called stifling: Spark Capital asks Patrick to eliminate noncompete accords," *The Boston Globe* (December 7, 2007).

Obuchowski, J. "Breaking Through: Examining the Innovation Process." *MIT Sloan Management Review* (December 2007).

Fiske, P. "Walking on the Dark Side." *Science Careers* (19 October 2007).

Stockman, S. "Charting Creativity," *Research in Progress*, Institute for Quantitative Social Science (Fall 2007).

Glaeser, E. "Embracing biotechnology," *The Boston Globe* (May 7, 2007).

Vogel, D. "From the Editor," *California Management Review*, Vol. 49, No. 2 (Winter 2007).

Nemerenco, D. "New HBS Program Teaches How to Sell Science," *The Harvard Crimson* (March 06, 2007).

Lagace, M. "The Power of the Non-compete Clause," *Harvard Business School Working Knowledge* (February 26, 2007).

Review of "Managing Creativity in Small Worlds." *INSEAD World Business* (January 6, 2007).

Hayashi, A. "Interview with Lee Fleming on Innovation." *MIT Sloan Management Review* (December 12, 2006).

Blagg, D. "Mixing Students and Scientists in the Classroom," *Harvard Business School Working Knowledge* (September 6, 2006).

Blagg, D. "Academic Cross-Pollination: A New Course Challenges MBAs and Scientists to Learn from Each Other," *Harvard Business School Bulletin* (March, 2006).

Nichols, J. "Pipe Dream: Harvard Team Wins First Prize in \$125,000 MIT Clean Energy Business Plan Competition," *Harbus* (May 9, 2005).

Rutter, M. "Grad Students Win Green Business Prize," *Harvard University Gazette* 6 (May 5, 2005).

Grant, S. "Caves, Clusters, and Weak Ties: The Six Degrees World of Inventors," *Harvard Business School Working Knowledge* (November 29, 2004).

Erwin, D. and D. Krakauer. "Insights into Innovation," *Science* 21 304: 1117-1119 (May, 2004).

## PRESENTATIONS

"The impact of non-compete covenants on careers, innovation, and regional dynamics."

Plenary Presentation, 6th European Meeting on Applied Evolutionary Economics, Jena, DE (May 2009).

Harvard Business School Department of Research Presentation, Boston, MA (May 2009)

New York University, New York, NY (April 2009)

"What's in a Name? Status, Discrimination, and the Mathew Effect."

Harvard University, Graduate School of Business, Conference on Open Source Innovation, Boston, MA (August 2008).

University of Chicago, Graduate School of Business, Chicago, IL (November 2007).

INFORMS Conference, Seattle, WA (November 2007).

Harvard University, Graduate School of Business, Conference on Industry Self-regulation, Boston, MA (March 2007).

### “The careers and co-authorship networks of U.S. patent-holders, since 1975.”

Networks and Innovation Workshop, Trento, IT (July 2009)

National Science Foundation, Washington, D.C. (March 2009).

### “Regional Disadvantage: Non-competes, Brain Drains, and Knowledge Dissipation”

New York University, New York, NY (April 2009)

Harvard University, Berkman Center, Cambridge, MA (June 2008)

University of Washington School of Business, Seattle, WA (May 2008).

Center for Advanced Management Studies, Ludwig Maximilian University, Munich, Germany, (April 2008).

Association of American Geographers, Boston, MA (April 2008).

Harvard University, Graduate School of Business, Technology and Operations Management Seminar, Boston, MA (April 2008).

Harvard University, Institute for Quantitative Social Science, Cambridge, MA (April 2008).

Harvard University, Science, Engineering, and U.S. Economic Progress, Cambridge, MA (April 2008).

Stanford University Organizational Behavior Seminar, Stanford, CA (February 2008).

INFORMS Conference, Seattle, WA (November 2007).

### “Lone Inventors as Sources of Technological Breakthroughs: Myth or Reality?”

INFORMS Conference, Washington D.C. (October 2008).

Stanford University, Scandinavian Consortium for Organizational Research, Stanford, CA (October 2006).

Harvard University, Graduate School of Business, Technology and Operations Management Seminar, Boston, MA (October 2006).

University of Toronto, Rotman School of Management Seminar, Toronto, ON (November 2006).

INFORMS Conference, Pittsburg, PA (November 2006).

### “The Pedagogy of Commercializing Science and Technology”

INFORMS Winter Conference, Squaw Valley, CA (February 2008)

CIMIT Innovation Congress, Boston, Ma. (November 2007)

Academy of Management Conference, Philadelphia, PA (August 2007).

David Rockefeller Center for Latin American Studies at Harvard, Cambridge, Ma. (July 2007)

Georgia Institute of Technology, Atlanta, GA (February 2007).

Harvard Business School Core Seminar, Boston, MA (February 2006).

## “How to Identify and Fund Transformative Research” (invited presentation)

National Science Foundation Task Force on Transformative Research, Santa Fe Institute, Santa Fe, NM (December 2005).

## “Non-competes and Inventor Mobility”

Tuck School of Business, Hanover, NH (December 2007).

Inside Innovation Conference, Haas School of Business, Berkeley, CA (November 2007).

George Washington University, Washington D.C., (September 2007).

INSEAD, Fontainebleau, France (September 2007).

Academy of Management Conference, Philadelphia, PA (August 2007).

Association of American Geographers, San Francisco, CA (April 2007).

Wharton Technology Conference, Philadelphia, PA (April 2007).

UC Santa Barbara, School of Engineering, Santa Barbara, CA (April 2007).

Rappaport Institute for Greater Boston, Cambridge, MA (February, 2007).

National Bureau of Economic Research, Cambridge, MA (November 2006).

INFORMS Conference, Pittsburg, PA (November 2006).

Harvard University, Doctoral Seminar, Boston, MA (October 2006).

Stanford University, 10th Anniversary Conference of the Center for Work, Technology, and Organization, Stanford, CA (September 2006).

Harvard University, Entrepreneurship Work in Progress Seminar, Boston, MA (August 2006).

Carnegie Mellon University, Entrepreneurship Seminar, Pittsburg, PA (December 2005).

Roundtable on Engineering Entrepreneurship Research Conference, Atlanta, GA (December 2005).

## “Collaborative Brokerage, Generative Creativity, and Creative Success”

Carnegie Mellon University, Organizational Behavior Seminar, Pittsburg, PA (December 2005).

Emory University, Organizational Behavior Seminar, Atlanta, GA (December 2005).

University of Pennsylvania, Wharton Management Seminar, Philadelphia, PA (November 2005).

INFORMS Conference, San Francisco, CA (November 2005). Harvard University, Graduate School of Business, Technology and Operations Management Seminar, Boston, MA (November 2005).

Academy of Management Conference, Honolulu, HI (August 2005).

4th European Meeting on Applied Evolutionary Economics, Utrecht, Netherlands (May 2005).

INSEAD, Fontainebleau, France (May 2005).

Swiss Federal Institute of Technology, Lausanne, Switzerland (May 2005).

University of Michigan, Graduate School of Business, Ann Arbor, MI (May 2005).

Harvard University, School of Applied Sciences, Information Technology Management Seminar, Boston, MA (November 2004).

## “Private Benefit from Public Good? Startup Strategies for Participation in an Open Standards Community”

INFORMS Conference, San Francisco, CA (November 2005)

Academy of Management Conference, Honolulu, HI (August 2005).

## “Brokerage, Boundary Spanning, and Leadership in an Open Innovation Community”

University of Chicago, Graduate School of Business, Chicago, IL (June 2004).

Stanford University, Graduate School of Business, Stanford, CA (March 2004).

University of California, Berkeley, Haas School of Business, Berkeley, CA (February 2004).

Stanford University, Scandinavian Consortium for Organizational Research, Stanford, CA (February 2004).

University of Maryland, Smith School of Business, Leading through Innovation Research Conference, College Park, MD (January 2004).

Harvard University, School of Applied Sciences, Information and Technology Management Seminar (November 2003).

Harvard University, Graduate School of Business, Technology and Operations Management Seminar, Boston, MA (November 2003).

Academy of Management Conference, Seattle, WA (August 2003).

## “Why the Valley Went First: Aggregation and Emergence in Regional Collaboration Networks”

Harvard University, Graduate School of Business, Entrepreneurial Management Seminar, Boston, MA (March 2004).

University of Pennsylvania, Wharton Technology Conference, Philadelphia, PA (March 2004).

Harvard University, Graduate School of Business, Technology and Operations Management Seminar, Boston, MA (March 2004).

Santa Fe Institute Conference on Regional Economics, Monterrey, Mexico (March 2004).

## “Small Worlds and Regional Innovation”

University of Chicago, Graduate School of Business, Chicago, IL (November 2004).

INFORMS Conference, Denver, CO (October 2004).

National Bureau of Economic Research, Cambridge, MA (May 2004).

Academy of Management Conference, Seattle, WA (August 2003).

Santa Fe Institute, Workshop on Network Evolution, Santa Fe, NM (May 2003).

Harvard University, Government 3009 Applied Methods Seminar, Cambridge, (April 2002).

Stanford University, Scandinavian Consortium for Organizational Research, Stanford, CA (February 2003).

Harvard University, School of Applied Sciences, Information Technology Management Seminar, Boston, MA (December 2002).

## “Cut the Fat or Swing for the Fences? Budgetary vs. Innovative Search”

Utah-Brigham Young University Winter Strategy Conference, Salt Lake City, UT (March 2003).

Hewlett Packard Laboratories, Palo Alto, CA (February 2003).

Hewlett Packard Corporate Headquarters, Palo Alto, CA (February 2003).

Agilent Laboratories, Palo Alto, (February 2003).

Academy of Management Conference, Denver, CO (August 2002).

### “Complexity, Networks, and Knowledge Flow”

4th European Meeting on Applied Evolutionary Economics, Utrecht, Netherlands (May 2005).

University of Pennsylvania, Wharton Technology Conference, Philadelphia, PA (April 2002).

Academy of Management Conference, Denver, CO (August 2002).

### “Technological Diversity and Inventive Creativity”

Academy of Management Conference, Denver, CO (August 2002).

Stanford University, Scandinavian Consortium for Organizational Research, Stanford, CA (March 2002).

Harvard University, Graduate School of Business, Organizational Behavior Seminar, Boston, MA (March 2002).

### "Finding the Organizational Sources of Breakthrough Invention: The Story of Hewlett Packard's Ink Jet Invention”

Gordon Conference on Solid State Ceramics, Kimball Union Academy, NH (August 2001).

Dupont Central Research and Development Laboratories, Wilmington, DE (April 2001).

INSEAD (May 2000), Fontainebleau, France (May 2002).

Massachusetts Institute of Technology, Sloan School of Management, Management of Innovation Seminar (March 2000).

Harvard University, Graduate School of Business, Technology and Operations Management Seminar, Boston, MA (April 2000).

University of Minnesota, Carlson School of Management, Minneapolis, MN (April 2000).

University of Chicago, Graduate School of Business Strategy Workshop, Chicago, IL (June 2000).

### “Science and the Diffusion of Knowledge”

Harvard University, International Conference on Science, Technology and Innovation: Emerging International Policy Issues, Cambridge, MA (September 2002).

National Bureau of Economic Research, Cambridge, MA (April 2001).

Harvard University, Center for Research in the Social Sciences, Cambridge, MA (April 2001).

Harvard University, Graduate School of Business, Technology and Operations Seminar, Boston, MA (April 2001).

### “Science As a Map in Technological Search”

Association for Laboratory Automation Annual Conference, Boston, MA (June 2004).

Santa Fe Institute, Founding Workshop: Innovation in Natural, Experimental, and Applied Evolution, Santa Fe, NM (February 2004).

Stanford University, Social Science and Technology Seminar, Stanford, CA (February 2003).

Carnegie Mellon University Strategy Conference, Pittsburg, PA (October 2002).

Gordon Conference on Solid State Ceramics, Kimball Union Academy, NH (August 2001).

Dupont Central Research and Development Laboratories, Wilmington, DE (April 2001).

Massachusetts Institute of Technology, Sloan School of Management, Operations Seminar, Boston, MA (November 2000).

Academy of Management Conference, Toronto, ON (August 2000).

Massachusetts Institute of Technology, Sloan School of Management, Operations Management Summer Camp, Boston, MA (July 2000).

National Bureau of Economic Research, Cambridge, MA (April 2000).

### “Invention as a Complex Adaptive System: Evidence from Patent Data”

Massachusetts Institute of Technology, Sloan School of Management, Management of Innovation Seminar, Boston, MA (April 2000).

Academy of Management Conference, Chicago, IL (August 1999).

### “A Prospect Theory Model of R&D Allocation”

Massachusetts Institute of Technology, Sloan School of Management, Economic Sociology Seminar, Boston, MA (May 2001).

National Bureau of Economic Research, Cambridge, MA (December 2000).

Harvard University, Center for Research in the Social Sciences, Cambridge, MA (December 2000).

Harvard University, Graduate School of Business, Technology and Operations Seminar, Boston, MA (December 2000).

### “Explaining the Source and Tempo of Technological Variation: Recombinant Learning and Exhaustion in Technological Evolution”

Academy of Management Conference, San Diego, CA (August 1998).

Massachusetts Institute of Technology, Sloan School of Management, Boston, MA (March 1998).

Harvard University, Graduate School of Business, Technology and Operations Seminar, Boston, MA (March 1998).

University of Minnesota, Carlson School of Management, Minneapolis, MN (February 1998).

University of Michigan, Graduate School of Business Strategy Seminar, Ann Arbor, MI (January 1998).

University of California at San Diego, Graduate School of International Relations and Pacific Studies, San Diego, CA (December 1997).

University of Texas at Dallas, School of Management, Dallas, TX (December 1997).