

Shu Han

*Assistant Professor of Management Information Systems
Sy Syms School of Business
Yeshiva University
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Education

Jan.2003—Dec.2007

Ph.D. in Management, Lally School of Management, Rensselaer Polytechnic Institute, U.S.A.
(Concentration: Management Information Systems)

Dissertation Title: Essays on Information Technology and Organizational Innovations:
Exploring the Effects of IT Investments on R&D Effectiveness and, Understanding the Drivers
of Migration to Services by IT Product Vendors

Dissertation Advisor: T. Ravichandran

Sept.2000—Jun.2002

Master of Philosophy in System Dynamics, University of Bergen, Norway

Thesis Title: Change Management in Large Information Systems Implementation: A
Managerial and Human Perspective

Thesis Advisor: Sigmund Navdal

Sept.1996—Jun.2000

B.S. in Management Information Systems, Fudan University, China

Employment

Aug.2008—Present

Assistant Professor of Management Information Systems, Syms School of Business, Yeshiva
University

May 2012—July 2012 (Sabbatical Research Leave)

Visiting Professor, College of Management of Technology, École Polytechnique Fédérale de
Lausanne (EPFL), Lausanne, Switzerland

Dec.2007—Jun.2008

Postdoctoral Research Associate, Lally School of Management & Technology, Rensselaer

Award

- Sy Syms Faculty Research Fellow (July 2012-June 2015)
- Best Paper Award at *the 43rd Hawaii International Conference on System Sciences (HICSS)* in Koloa, Kauai, HI, Jan. 05-08, 2010: “Competing Through Services: Service Migration of Information Technology Vendors” by **Shu Han**, T. Ravichandran, & Jason Kuruzovich
- Best Academic Paper Award at the *Second Annual Symposium on Supply Chain Management--From Theory to Practice* in Toronto, Ontario, Canada, Sept. 29-Oct. 01, 2004: “The Impact of Institutional Pressures on Information Systems Investment: An Empirical Investigation” by **Shu Han**, T. Ravichandran, & Iftekhar Hasan
- Top Performer Awards (1st out of 42), 1997 & 1998, Fudan University

Research Interest

- Information Technology and firm innovation
 - Effects of IT on firm technological innovation and new products introductions
 - Effects of IT on knowledge search in technological innovation
- Dynamics and Competition in IT Industry—Service Strategies of IT Vendors
 - Factors determining service strategy of IT product vendors
 - Effects of service strategy on IT product vendor performance and customer satisfaction
- Research Method: Econometrics, Psychometrics, System Dynamics Modeling, and Content Analysis of Text Data.

Published Research

- **Shu Han**, Jason Kuruzovich, & T Ravichandran (2012) “Service Expansion of Product Firms in the Information Technology Industry: An Empirical Study”, *Journal of Management Information systems*, **29(4)**. P.127-158
- Jason Kuruzovich, **Shu Han**, Nevena T. Koukova, & T. Ravichandran (2013) “Testing the Steve Jobs Hypothesis in a B2B Context: Will a Portfolio of Hierarchically Related Technology Products Improve Customer Outcomes?” *Journal of Service Research*, forthcoming, available online in April 21, 2013
- Haizhi Wang, Rob Wuebker, **Shu Han**, & Michael Ensley (2012) “On the Choices of Strategic Alliances: Evidence from Venture-Backed Companies,” *Small Business Economics*, **38(2)**. P. 179-196
- K.D. Joshi, Lei Chi, Avi Datta, & **Shu Han** (2010) “Changing the Competitive Landscape: Continuous Innovation through IT-based Knowledge Capabilities”, *Information Systems Research: special issue on Digital Systems and Competition*, **21(3)**. P. 472-495

- T. Ravichandran, **Shu Han**, & Iftekhar Hasan (2009) “Effects of Institutional Pressures on Information Technology Investments: An Empirical Investigation”, *IEEE Transactions on Engineering Management*, 56(4). P. 677-691
- T. Ravichandran, Yu Liu, **Shu Han**, & Iftekhar Hasan (2009) “Diversification and Firm Performance: Exploring the Moderating Effects of Information Technology Spending”, *Journal of Management Information Systems*, 25(4). P. 205-240

Manuscripts Under Review

- **Shu Han**, T Ravichandran & Sunil Mithas, “How Information Technology Influences Innovation Output of a Firm: Theory and Evidence”, under the 3st round revision at *Information Systems Research*
- **Shu Han**, Lei Chi, Avi Datta, & K.D. Joshi, “Information Technology and Knowledge Search: Finding from the Pharmaceutical Industry”, under 2st round revision at *International Journal of Information Management*

Working Papers

- **Shu Han**, Shameem Hasan & Christopher Tucci “Information Technology and Cost of Bank Loan: An Empirical Investigation”, under preparation for submission to *Information Systems Research*
- **Shu Han** & Abraham Ravid (2015) “Do the stars still shine on Broadway? An Investigation of the Rosen Star hypothesis using a pseudo-natural experiment from Broadway shows”, under preparation for submission to *American Economic Review*
- Lei Chi, Yinchu Liao, **Shu Han** & K.D. Joshi (2015) “Innovation in the U.S. Pharmaceutical Industry: Harnessing Knowledge in the Alliance Networks through IT-Enabled Knowledge Capabilities”, under preparation for re-submission to *MIS Quarterly*

Teaching Interest

- Introduction to MIS
- Decision Models
- System Analysis and Design
- Database Management
- Data Analysis for Management Research (focusing on STATA)

Teaching Experience

- **Visiting Professor** “Data Analysis for Management Research” (doctoral seminar), College

of Management of Technology, École Polytechnique Fédérale de Lausanne (EPFL),
Summer 2012

- **Assistant Professor** “Management Information Systems” (INF-1020), “Decision Models” (IDS-2160), Syms School of Business, Yeshiva University, Fall 2008-Present
3 Credits
- **Instructor** “Micro-computer and Applications for Business” (MGMT-2510), Lally School of Management & Technology, Rensselaer Polytechnic Institute, Fall 2007, Spring 2007
4 Credits
- **Teaching Assistant**, “Operations Management”, Lally School of Management and Technology, Rensselaer Polytechnic Institute, Fall 2004 and Spring 2005.
In charge of several sessions of the class: “Just-in-time Management”, “Work Flow and Layout Management”, etc.

Certificate

- 09.2001—present Sun Certified Programmer for Java[tm] 2 Platform

Invited Talk

- “Information Technology and Knowledge Search: Finding from the Pharmaceutical Industry”, at *Interdisciplinary Research on Innovation - Management Systems and Finance Area Joint Workshop*, School of Business, Fordham University, **Feb. 03, 2012**

Refereed Conference Presentations

- **Shu Han**, Shameem Hasan & Christopher Tucci (2015) “Information Technology and Cost of Bank Loan: An Empirical Investigation”, paper presented the 26th Workshop on Information Systems and Economics (WISE), Richardson, TX, Dec. 12-13
- **Shu Han** & Abraham Ravid (2015) “Do the stars still shine on Broadway? An Investigation of the Rosen Star hypothesis using a pseudo-natural experiment from Broadway shows”, paper accepted by the Seventeenth Annual Mallen Economics of Filmed Entertainment, New York, NY, Nov. 12 -13
- **Shu Han** & Abraham Ravid (2015) “Do the stars still shine on Broadway? An Investigation of the Rosen Star hypothesis using a pseudo-natural experiment from Broadway shows”, paper accepted by the annual conference of AIMAC, Aix-en-Provence, Marseille, France, June 26-July 01
- **Shu Han** & Abraham Ravid (2014) “Do the stars still shine on Broadway? An Investigation of the Rosen Star hypothesis using a pseudo-natural experiment from Broadway shows”, paper accepted by the Sixteenth Annual Mallen Economics of Filmed Entertainment Conference, New Haven, CT, Nov. 14-15
- **Shu Han**, T Ravichandran & Sunil Mithas (2011), “How Information Technology

Influences Innovation Output of a Firm: Theory and Evidence”, paper accepted by the Organizations and Society in Information Systems (OASIS) Pre-ICIS Workshop, Shanghai, China, Dec. 4

- **Shu Han**, Lei Chi, Avi Datta, & K.D. Joshi (2011) “Information Technology and Knowledge Search: Finding from the Pharmaceutical Industry”, paper presented at XX International Tor Vergata Conference on Money, Banking and Finance, Rome, Italy, Dec. 5-7
- Lei Chi, Yinchu Liao, **Shu Han**, & K.D. Joshi (2010) “Alliance Network, Information Technology, and Firm Innovation: Findings from Pharmaceutical Industry”, Paper accepted by the International Conference on Information Systems (ICIS) in St Louis, MI, Dec. 12-15
- **Shu Han**, T. Ravichandran, & Jason Kuruzovich (2010) “Competing Through Services: Service Migration of Information Technology Vendors”, Paper presented at the 43rd Hawaii International Conference on System Sciences (HICSS) in Koloa, Kauai, HI, Jan. 05-08. **Best Paper Award winner.**
- **Shu Han**, T. Ravichandran, & Jason Kuruzovich (2009) “Competing through Services: Service Migration of Information Technology Product Vendors”, Paper accepted by the Conference on Information Systems & Technology (CIST) in San Diego, CA, Oct.10-11
- Lei Chi, Avi Datta, **Shu Han**, & K.D. Joshi (2009) “Changing the Competitive Landscape: Continuous Innovation through IT-based Knowledge Capabilities”. Paper accepted by the *Information Systems Research (ISR) Special Issue Symposium on Digital Systems and Competition* in Troy, NY, Feb. 6-8
- Jason Kuruzovich, **Shu Han**, & T. Ravichandran (2008) “The IT Products-Services Stack and Vendor Quality”. Paper accepted by the *Conference on Information Systems & Technology (CIST)* in Washington, DC, Oct.11-12
- **Shu Han** & T. Ravichandran (2007) “The Impact of Information Technology on Diminishing Returns to R&D Spending”. Paper presented at the *Annual Conference of Academy of Management (AOM)* in Philadelphia, PA, Aug. 3-8

- Haizhi Wang, **Shu Han**, & Michael Ensley (2007) “On the Choices of Strategic Alliances: Evidence from Venture-Backed Companies”. Paper presented at the *Annual Conference of United States Association for Small Business and Entrepreneurship (USASBE)* in Orlando, FL, Jan. 11-14. **Nominated for the Best Empirical Paper Award.**
- **Shu Han** & T. Ravichandran (2006) “Does IT Impact Firm Innovativeness: An Empirical Examination of Complementary and Direct Effects”. Paper presented at *the Americas Conference on Information Systems (AMCIS)* in Acapulco, Mexico, Aug. 4-6.
- Yu Liu, T. Ravichandran, **Shu Han**, & Iftekhar Hasan (2006) “Complementarities between IT and Firm Diversification and Performance Implications”. Paper accepted by the 39th *Hawaii International Conference on System Sciences (HICSS)* in Kauai, HI, Jan.4-7.
- **Shu Han** & T. Ravichandran (2005) “Potential Absorptive Capability and Realized Absorptive Capabilities: Implication for Information Technology Use”. Paper presented at Theory Development Workshop Sponsored by *Journal of Association for Information Systems (JAIS)* in Las Vegas, NV, Dec.14.
- **Shu Han** & T. Ravichandran (2005) “How Information Technology Enhances Innovative Capabilities of a Firm: Five Mechanisms”. Paper presented at the *36th Annual Meeting of the Decision Sciences Institute (DSI)* in San Francisco, CA, Nov. 19-22.
- **Shu Han** (2005) “Strategic Information System Alignment under Institutional Pressures”. Paper presented at the *36th Annual Meeting of the Decision Sciences Institute (DSI)* in San Francisco, CA, Nov. 19-22.
- **Shu Han** & T. Ravichandran (2005) “Understanding the Roles of IT in Product Innovation: Component Knowledge and Combinative Capabilities”. Paper presented at the *Americas Conference on Information Systems (AMCIS)* in Omaha, NE, Aug. 11-14.
- **Shu Han** (2004) “The Internal Dynamism of Information Systems Strategic Alignment: Insights from Punctuated Equilibrium Model and Multiple-Contingencies Approach”. Paper presented at the *35th Annual Meeting of the Decision Sciences Institute (DSI)* in Boston, MA, Nov. 20-23.

Professional Experiences

- **Research Assistant** (Spring 2003, Spring 2004), Lally School of Management & Technology, Rensselaer Polytechnic Institute.
Working with Professor Denis Simon to prepare for book chapters on *Dynamics of China Computer Industry*.
- **Research Assistant** (Fall 2003), Lally School of Management & Technology, Rensselaer Polytechnic Institute.
Working with Professor Mark Nelson on IT project escalation research.
- **Business Analyst** (Aug. 2002-Dec.2002), Accenture Consulting Shanghai Office, China.
Preparing project proposal on the global supply chain management system for one of the largest Electronics Manufacturer in China.

- **Network Consultant** (Jan. 2001-Jul.2002), Network support team of SIB (Student Welfare Organization in Bergen), Bergen, Norway.
Installation, maintenance and troubleshooting of Virtual Private Network.
- **Business Analyst and Programmer** (Sept.2000-Jul.2002), Datastart Co., Ltd., Bergen, Norway.
Developing web-based Equipment Management System for industrial equipment vendors using PHP.
- **Business Analyst** (Apr. 2000-Jul. 2000), Shanghai Bell Co., Ltd., Shanghai, China.
Business process design and system analysis for their new product development processes.
- **Business Analyst** (Feb. 1999-Jun.1999), Shanghai Tobacco Group, Shanghai, China
Business process analysis and system design for Flexible Manufacturing Systems implementation.

Reviewing Experiences

- **Ad-hoc Associate Editor** for Information Technology and Management, 2014-present
- **Ad-hoc reviewer** for Information Systems Research, 2013-present
- **Ad-hoc reviewer** for Journal of Organizational Computing and Electronic Commerce, 2013-present
- **Ad-hoc reviewer** for Electronic Commerce Research, 2012-present
- **Track Editor** for the European Conference on Information Systems (ECIS): IT-enabled supply chain management track, 2012
- **Ad-hoc reviewer** for The Communications of the Association for Information Systems (CAIS), 2008-present
- **Ad-hoc reviewer** for IEEE Transactions on Engineering Management, 2009-present
- **Ad-hoc reviewer** for ACM Transactions on Management Information Systems (TMIS), 2011-present
- **Ad-hoc reviewer** for International Journal of Accounting Information Systems, 2011-present
- **Mini-track co-chair** for the 16th Americas Conference on Information Systems (AMCIS) (Mini-track: Information Technology and Innovation), 2010
- **Discussant** of International Conference of Information Systems (ICIS)—track of *Valuing IT Opportunities*, 2007
- **Reviewer** for Workshop on Information Systems and Economics (WISE), 2015-present
- **Reviewer** for the Hawaii International Conference on System Sciences (HICSS), 2008-present
- **Reviewer** for International Conference of Information Systems (ICIS), 2006-present
- **Reviewer** for Annual Conference of Academy of Management (AOM), 2005-present
- **Reviewer** for Americas Conference on Information Systems (AMICS), 2004-present

Professional Affiliations

- Association for Information Systems (AIS)

- Academy of Management (AOM)
- Decision Sciences Institute (DSI)