

Dawei (David) Zhang

470 Rauch Business Center, 621 Taylor Street, Bethlehem, Pennsylvania 18015

Email: daz215@lehigh.edu

Tel: (610) 758 - 4225

ACADEMIC EMPLOYMENT

August 2015 - Present	Assistant Professor College of Business and Economics, Lehigh University
August 2013 – July 2015	Assistant Professor Kania School of Management, University of Scranton
September 2007 - June 2013	Instructor, Research/Teaching Assistant Haskayne School of Business, University of Calgary, Canada

EDUCATION

Ph.D. Management Information Systems, 2013

Haskayne School of Business, The University of Calgary, Canada

Thesis: “Studies in IT: Capacity Utilization and Option Market Information”

Supervisor: Dr. Barrie R. Nault

M.S. Economics, 2006

The Hong Kong University of Science and Technology, Hong Kong

B.S. Computer Science, 2005

Sun Yat-sen University, China

Minor: French

RESEARCH INTERESTS

- Business Value of IT
- IT and the Financial Markets
- Health Information Systems

REFEREED JOURNAL ARTICLES

- Lin, X., Zhang, D., Y. Li (2016), “Delineating the Dimensions of Social Support on Social Networking Sites and Their Effects: A Comparative Model,” *Computers in Human Behavior*, Volume 58, 421-430.
- Zhang, D., Cheng, Z., Mohammad, H. Q., B. R. Nault. (2015), “Information Technology Substitution Revisited,” *Information Systems Research*, 26(3), 480–495.

SELECTED WORKING PAPERS

- “The Strategic Value of IT in Setting Productive Capacity” (with B. R. Nault and X. Wei). Under second round review at *Information Systems Research* (Lead author, submitted on

Sep 03, 2017).

- "Measuring Risk from IT Initiatives Using Implied Volatility" (with B. R. Nault). Under second round review at *Journal of Management Information Systems* (Lead author).
- "Does Information Technology Substitute for or Complement Human Labor? A Dynamic Stratified Analysis on European Countries" (with G. Peng). Under revision for second round review at *Decision Sciences* (Equal contributor).
- "Operational Efficiency and Patient-Centered Healthcare: A View from Online Physician Reviews" (with D. Ko, F. Mai, and Z. Shan). Under first round review at *Journal of Operations Management* (Equal contributor).
- "How does Information Technology Substitute for or Complement Human Labor? A Moderating effect of Education" (with G. Peng). Working paper targeting *Information Systems Research* (Lead Author).
- "Are IT Investment Announcements Informative? Evidence from the Option Market" (with M. Lyle and B. R. Nault). Working Paper targeting *Decision Support Systems* (Lead author).
- "On the Relationship of IT Labor with IT Capital and IT Outsourcing in Production" (with K. Han and B. R. Nault). Working Paper targeting *Journal of Management Information Systems* (Equal contributor).
- "Managing Paradoxical Tensions to Improve Patient Satisfaction" (with D. Ko, F. Mai, and Z. Shan). *Data analysis underway, targeting Information & Management* (Equal contributor).
- "Is Big Data Worth it? Evidence from the Financial Markets". *Data collection underway* (Lead author).

BOOK CHAPTERS

- Lin, X., Zhang, D., Y. Li. (2015), "On the Relationship between Online Social Support and Users' Continuance Intention – Evidence from Social Network Sites", *Handbook of Research on Integrating Social Media into Strategic Marketing*, pp. 140 – 152, IGI Global, USA.

RESEARCH GRANTS

- Principal Investigator, "Do Electronic Medical Records Always Increase the Efficiency of Operating Rooms?" Internal Research Grant, University of Scranton, 2014, \$2000.

PUBLICATIONS IN REFEREED CONFERENCES & WORKSHOPS

- Ko, D., Mai, F., Shan, Z., D. Zhang. "Improving Patient Satisfaction: A View from the Patients through User-Generated Online Physician Reviews," *The 11th China Summer Workshop on Information Management (CSWIM 2017)*, Nanjing, China, June 24 – 25, 2017.
- Zhang, D., B. R. Nault. "Do IT Investments Impact Ex-ante Firm Risk? Evidence from the Option Market," *The 10th China Summer Workshop on Information Management (CSWIM 2016)*, Dalian, China, June 25 – 26, 2016.
- Zhang, D., B. R. Nault. "Do IT Investments Impact Ex-ante Firm Risk? Evidence from the Option Market," *Workshop on Information Systems and Economics (WISE)*, Dallas, TX, December 12 – 13, 2015.
- Li, W., Dai, H., D. Zhang. "The Relationship between Maximum Completion Time and

Total Completion Time in Flowshop Production,” in proceedings of *The 43rd SME North American Manufacturing Research Conference (NAMRC)*, Charlotte, NC, June 8 - 12, 2015.

- Lin, X., Zhang, D., Y. Li. “The Dimensions of Online Social Support on Social Networking Sites and Their Effects,” in proceedings of *The 18th Pacific Asia Conference on Information Systems (PACIS 2014)*, Chengdu, China, June 24 - 28, 2014.
- Zhang, D., Lyle, M., B. R. Nault. “Who Reacts to IT Investment Announcements?” in Proceedings of *The 2012 INFORMS Conference on Information Systems and Technology (CIST 2012)*, Phoenix, AZ, October 14-17, 2012.
- Zhang, D., Wei, X., B. R. Nault. “The Impact of IT on Productive Capacity,” in *Proceedings of The 2011 INFORMS Conference on Information Systems and Technology (CIST 2011)*, Charlotte, NC, November 12-13, 2011.

CONFERENCE & WORKSHOP PRESENTATIONS

- “Improving Patient Satisfaction: A View from the Patients through User-Generated Online Physician Reviews,” with D. Ko, F. Mai, and Z. Shan. *The 11th China Summer Workshop on Information Management (CSWIM 2017)*, Nanjing, China, June 24 – 25, 2017.
- “Substitute or Complement? A Study on the Relationship between IT and Labor,” with G. Peng. *CBE Summer Research Retreat*, Lehigh University, 2017.
- “Do IT Investments Impact Ex-ante Firm Risk? Evidence from the Option Market,” with B. R. Nault. *The 10th China Summer Workshop on Information Management (CSWIM 2016)*, Dalian, China, June 25 – 26, 2016.
- “On the Relationship of Information Technology with Other Inputs,” with J. Cheng, H. Mohammad and B. R. Nault. *CBE Summer Research Retreat*, Lehigh University, 2016.
- “Do IT Investments Impact Ex-ante Firm Risk? Evidence from the Option Market,” with B. R. Nault. *Workshop on Information Systems and Economics (WISE)*, Dallas, TX, December 12 – 13, 2015.
- “The Relationship between Maximum Completion Time and Total Completion Time in Flowshop Production,” with W. Li and H. Dai. *The 43rd SME North American Manufacturing Research Conference (NAMRC)*, Charlotte, NC, June 8 - 12, 2015.
- “The Dimensions of Online Social Support on Social Networking Sites and Their Effects,” with X. Lin and Y. Li. *The 18th Pacific Asia Conference on Information Systems (PACIS 2014)*, Chengdu, China, June 24 - 28, 2014.
- “IT and Hospital Performance,” with B. R. Nault and V. Mitchell. *The 2014 INFORMS Annual Meeting*, San Francisco, CA, November 9-12, 2014.
- “Who Reacts to IT Investment Announcements?” with M. Lyle and B. R. Nault. *The 2012 INFORMS Conference on Information Systems and Technology (CIST 2012)*, Phoenix, AZ, October 14-17, 2012.
- “The Impact of IT on Economic Capacity,” with B. R. Nault. *The 2012 INFORMS Annual Meeting*, Phoenix, AZ, October 14-17, 2012.
- “The Impact of IT on Productive Capacity,” with X. Wei and B. R. Nault. *The 2011 INFORMS Conference on Information Systems and Technology (CIST 2011)*, Charlotte, NC, November 12-13, 2011.
- “Who Reacts to IT Investment Announcements?” with M. Lyle and B. R. Nault. *The 2011 INFORMS Annual Meeting*, Charlotte, NC, November 13-16, 2011.
- “Optimal Software Localization Design,” with J. Chen and B. R. Nault. *Doctoral Consortium, International Conference on Information Systems (ICIS)*, Saint Louis,

December 12-15, 2010.

- “Optimal Software Localization Design,” with J. Chen and B. R. Nault. *The 2010 INFORMS Annual Meeting*, Austin, TX, November 7-10, 2010.
- “On the Relationship of Information Technology with Other Inputs,” with H. Mohammad, Z. Cheng, and B. R. Nault. *CORS-INFORMS International Meeting*, Toronto, June 14-17, 2009.

INVITED PRESENTATIONS

- “Information Technology as a Production Input – A Substitute or Complement?” Lehigh Center for Supply Chain Research Spring Symposium, November, 2017.
- “The Strategic Value of IT in Setting Productive Capacity”, with B. R. Nault and X. Wei. Fudan University, Shanghai, China, June, 2017.
- “The Impact of IT on Productive Capacity and its Utilization Rate,” with B. R. Nault and X. Wei. University of Connecticut, April, 2017.
- “Implied Volatility as a Measure of Risk from IT Initiatives,” with B. R. Nault. Department of Management, College of Business and Economics, Lehigh University, April, 2017.
- “Managing Paradoxical Tensions to Improve Patient Satisfaction: A View from the Patients through User-Generated Online Physician Reviews”, with F. Mai, Z. Shan, and Dong-Gil Ko. Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, March 17, 2016.
- “The Impact of IT on Productive Capacity and its Utilization Rate,” with X. Wei and B. R. Nault. Dalian University of Technology, China, July 15, 2014.

TECHNICAL SKILLS

- Statistics and Econometrics: Stata, MATLAB, R, SPSS, LISREL, Minitab.
- Database: Oracle, SQL Server, MySQL, Microsoft Access.
- Programming: C++, C#, Java, Visual Basic, VB.Net, VBA.
- Business Intelligence: SAS, Weka.

TEACHING INTERESTS

- Systems Analysis & Design
- Business Analytics
- Statistics

TEACHING EXPERIENCE AND CERTIFICATES

- Managing Information (MBA core), Fall 2015 - Present, Lehigh University
- Systems Analysis and Design (BIS Undergraduate Required), Fall 2015, 2016, 2017 Lehigh University
- Statistics for Business I (Business Core), Fall 2013, 2014, University of Scranton
- Statistics for Business II (Business Core), Spring 2013, 2014, University of Scranton
- Business Database Management Systems (MBA Elective), Fall 2013, 2014, University of Scranton
- Database Management Systems for E-Business (Undergraduate Elective), Fall 2013, 2014,

- University of Scranton
- Business Information Management (Business Core), Fall 2013, 2014, Spring 2013, 2014
University of Scranton
- Introduction to Management Information Systems (Business Core), Fall 2011, 2012,
University of Calgary,
- Instructional Skills Workshop (certificate) The University of Calgary, Spring 2011.
- University Teaching Certificate The University of Calgary, Spring 2012.

HONORS AND AWARDS

- Selected for the Doctoral Consortium at *the International Conference on Information Systems (ICIS)*, Saint Louis, December, 2010.
- Faculty of Graduate Studies Scholarship, University of Calgary, 2010 – 2012.
- Graduate Student Conference Travel Grant, University Research Grants Committee (URGC), University of Calgary, 2010.
- Marion Janet and Ian Stormont Forbes Scholarship, University of Calgary, 2009 – 2010.
- Marion Janet and Ian Stormont Forbes Scholarship, University of Calgary, 2008 – 2009.
- Graduate Research Scholarship, University of Calgary, 2009.
- Postgraduate Scholarship, HKUST, 2005 – 2006.
- Kai Si Scholarship, Sun Yat-sen University, China, 2001.

MEDIA COVERAGE

- “New minor will open doors for business students,” *The Aquinas*, University of Scranton, February 27, 2015.

PROFESSIONAL ACTIVITIES & SERVICES

- Program Committee member for CSWIM 2017.
- Program Committee (PC) member for The INFORMS Conference on Information Systems & Technology (CIST), 2016 and 2017
- Associate Editor for The 24th European Conference on Information Systems, 2016.
- Associate Editor for *Business & Information Systems Engineering* Special Issue, 2014.
- Conference Session Chair for *INFORMS 2014* Annual Meeting, San Francisco, 2014.
- Course Development – “Introduction to Business Programming”, University of Scranton, 2014.
- Referee for *Information Systems Research*, *Management Information Systems Quarterly*, *Production and Operations Management*, *Decision Support Systems*, *Information Systems Frontiers*, *Information Technology and Management*, *Information and Management*, *Business & Information Systems Engineering*, *Journal of Systems Science and Systems Engineering*, *International Conference on Information Systems*, *The INFORMS Conference on Information Systems and Technology*, *Workshop on Information Technologies and Systems*, *European Conference on Information Systems*, *The Hawaii International Conference on System Sciences*, *Americas Conference on Information Systems*, *Pacific Asia Conference on Information Systems*.
- Committee Activities

Lehigh University

- Data Governance Executive Committee, Fall 2017 - Present
- FFPOC (Faculty Financial Planning & Operations Committee), Fall 2017 - Present
- ACIS (Advisory Council for Information Services Committee), Fall 2016 - Present
- BIS Hiring Committee, Fall 2016

University of Scranton

- Graduate Program Committee, Fall 2013 – Spring 2015
- Strategic Planning Committee, Fall 2013 - Spring 2015
- Passport Program Committee, May 2014 - Spring 2015