

Tiangong (Tim) Su

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EDUCATION

Iowa State University	Ames, IA
Ph.D., Department of Information Systems and Business Analytics	2020-(Expected) 2025
Major advisor: Abhay Mishra	
The College of William and Mary	Williamsburg, VA
M.B.A., Mason School of Business	2017-2019
Beijing University of Posts & Telecommunication	China
M.S., School of Telecommunication Engineering	2004-2007
Shandong University	China
B.S., Department of Electrical Engineering	2000-2004

RESEARCH INTERESTS

The intersection of IT and strategic management, Knowledge Acquisition, Patent Data Analytics

RESEARCH EXPERIENCE

Submitted Paper

Tim Su, Manjot Bhussar, Abhay Mishra “IT Capabilities of Acquiring Firms and their Post-Acquisition Exploratory Innovation Performance”

- Investigates how the acquirer firm’s IT capabilities and degree of exploitation jointly influence its post-M&A exploratory innovation performance.
- The research was first presented at the Browbag at Iowa State University in April 2023
- Drafted paper was accepted and presented at the Conference on Information Systems and Technology (CIST), 2023.
- The full paper has been submitted to MIS Quarterly.

Working Paper

Tim Su, Abhay Mishra “Risks and Opportunities in the Fragmented Market for Innovation: The Roles of Innovation Orientations”

- This study investigates how a high-tech firm’s innovation orientations in terms of exploitative versus exploratory and process versus product impact their demand for similar patents in the fragmented market for innovation.
- A preliminary version of the study has been submitted to the International Conference on Information Systems (ICIS) as a short paper
- Plan to complete the paper and submit it to Management Science by mid-August 2024.

Work in Progress for the Third Essay

Tim Su, Abhay Mishra “Complementarity between Firm’s IT Capabilities and Innovation Structure on Their Innovation and Market Performance”

- This study examines the impact of the complementarity between a firm’s IT capabilities and its innovation structure (internal versus external) on its innovation performance.
- To show that firms with robust investments in IT capabilities aligned with their innovation structure achieve greater innovation and market performance.

TEACHING EXPERIENCE

- Iowa State University** Ames, IA
Teaching Assistant, MIS501 Management Information Systems (Master) Aug 2020 - May 2021
- Designed group projects in data analytics, and graded students' work.
- Co-Teacher, MIS 435 IS Infrastructure (Undergraduate elective course)* Fall, 2022
- Got guidance to build new syllabus and labs for a new course based on this course.
- Instructor, MIS 435 Cybersecurity in Business (New course)* Spring, 2023
- Independently developed course syllabus, lecture slides, in-class Wireshark exercises, labs, group project, and exam questions and lectured an entirely new course.
 - Overall rating of instructor: **4.2/5**
- Instructor, MIS 435 Cybersecurity in Business* Fall, 2023
- Refined course syllabus, lecture slides, labs, group project, and exams.
 - Overall rating of instructor: **4.2/5**
- Instructor, MIS 435 Cybersecurity in Business* Spring, 2024
- Finalized course syllabus, lecture slides, labs, group project, and exams.

CONFERENCE AND INVITED PRESENTATIONS

"IT Capabilities and Exploratory Innovation of Tech-M&A"

- 2024, Big XII MIS Research Symposium, College Station, TX April 2024
- 2023, CIST Conference, Phoenix, AZ Oct 2023
- Iowa State University, Ames, IA April 2023

TECHNOLOGY SKILLS AND RESEARCH METHOD COURSES

STATATA, R, Python, SQL, C, SEM, NLP, Econometrics, Machine Learning, Experiment Design

ACADEMIC SERVICE

- Reviewer for ICIS 2022 2022
- Reviewer for AMCIS 2023 2023

PROFESSIONAL EXPERIENCE

- Pantheon Software** DC, US
Project Analyst (2019 –2020)
- Performed data validation using business analytics tools such as SQL, R, and Tableau.
- Williamsburg Pottery Group** VA, US
Financial Analyst Intern (2018)
- Conducted Return on Investment (ROI) analysis for the 737-acre mixed-use land project.
- Beijing HTMR Patent Agency** China
Patent Partner, Patent Attorney (2016 –2018)
- Developed global patent portfolios for Chinese Hi-tech companies.
- Beijing Beyond Patent Agency** China
Senior Patent Agent (2013 –2016)
- Reviewed, revised, and defended patentability of international patent applications.
- Beijing NTD Patent Agency** China
Patent Agent (2007 –2011)