

ORÇUN TEMIZKAN, PH.D.

Assistant Professor of Management Information Systems
Chair of Management Information Systems
Faculty of Business | Özyeğin University | Istanbul/Turkey
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EDUCATION

- University of North Carolina at Charlotte** 2012
Doctor of Philosophy (Ph.D.) in Business Information Systems and Operations Management
Dissertation Title: Essays on Exploitation and Exploration in Software Development
GPA: 3.90/4.0
Belk College of Business
Charlotte, NC, USA
- Boğaziçi University** 2005
Bachelor of Science (B.S.) in Management Information Systems
GPA: 3.90/4.0 (High Honor degree)
Istanbul, Turkey

ACADEMIC EXPERIENCE

Assistant Professor

Özyeğin University
Faculty of Business, Management Information Systems
Istanbul, Turkey

Visiting Assistant Professor

Özyeğin University
Faculty of Business, Management Information Systems
Istanbul, Turkey

Teaching Assistant

University of North Carolina at Charlotte
Belk College of Business, Business Information Systems and Operations Management
Charlotte, NC, USA

COURSES

- **MIS 321:** Data Mining (Faculty of Business, Özyeğin University)
- **MIS 311:** Introduction to Management Information Systems (Faculty of Business, Özyeğin University)
- **MIS 303:** Web Programming (Faculty of Business, Özyeğin University)
- **MIS 301:** Corporate Information Systems (Faculty of Business, Özyeğin University)
- **MIS 202:** Data Mining (Faculty of Business, Özyeğin University)
- **MIS 201:** System Analysis and Design (Faculty of Business, Özyeğin University)
- **MIS 101:** Introduction to Information Systems and Technologies (Faculty of Business, Özyeğin University)
- **MIS 100:** Introduction to Computing Technologies (Faculty of Business, Özyeğin University)
- **IE 384:** Information Systems (Industrial Engineering, Özyeğin University)
- **INFO 2130:** Business Computing (Belk College of Business, University of North Carolina Charlotte)

Research Interest

- Open Innovation, Crowd-based Innovation, Crowdsourcing
- Organization Structures and Team Structures
- Knowledge Creation / Knowledge Transfer
- Social Networks and Social Network Analysis
- Information Systems Security
- Data Analytics
- Integer and Combinatorial Optimization

Journal Papers

- Temizkan, O., and Kumar, R. L. “Knowledge transfer to aid social coding: The case of Stack Overflow”, *Decision Support Systems (DSS)*, Vol. 179, April 2024, 114174.
- Temizkan, O., Saydam, C., and Park, S. “Software Diversity for Improved Network Security: Optimal Distribution of Software-Based Shared Vulnerabilities”, *Information Systems Research (ISR)*, Vol. 28, No: 4, December 2017, pp. 828-849.
- Temizkan, O., and Kumar, R. L. “Exploitation and Exploration Networks in Open Source Software Development: An Artifact-Level Analysis”, *Journal of Management Information Systems (JMIS)*, Vol. 32, No. 1, Summer 2015, pp. 116-150.
- Temizkan, O., Kumar, R. L., Park, S. and Subramaniam, C. “Patch Release Behaviors of Software Vendors in Response to Vulnerabilities: An Empirical Analysis”, *Journal of Management Information Systems (JMIS)*, Vol. 28, No. 4, Spring 2012, pp. 305-337.

Conference Papers

- Temizkan, O., and Kumar, R. L. The Time-Varying Effects of Knowledge Diffusion in Open Source Projects, Institute for Operations Research and the Management Sciences (INFORMS), Seattle, WA, USA, October 20-23, 2024.
- Temizkan, O., and Kumar, R. L. Effect of Gamification on Knowledge Transfer in Stack Overflow, *Institute for Operations Research and the Management Sciences (INFORMS)*, Phoenix, AZ, October 15-18, 2023.
- Temizkan, O., and Kumar, R. L. Impact of Social Network Characteristics and Gamification on Answer Quality in the Context of Knowledge Crowdsourcing, *The 15th Global Sourcing Workshop (Ancillary ICIS Conference)*, Copenhagen, Denmark, December 9-14, 2022.
- Temizkan, O., and Kumar, R. L. The Effect of Contextual Ambidexterity on Open Source Project Success, *Institute for Operations Research and the Management Sciences (INFORMS)*, Indianapolis, IN, October 16-19, 2022.
- Temizkan, O., and Kumar, R. L. Understanding Differential Effects of Social Network Capital on the Crowdsourced Answering Process in Stack Overflow, *Institute for Operations Research and the Management Sciences (INFORMS)*, Anaheim, CA, October 24-27, 2021. (Virtual Meeting)
- Temizkan, O., and Kumar, R. L. Understanding Differences between the Answering Process for Simple and Complex Questions in Virtual Question and Answer Communities, *Institute for Operations Research and the Management Sciences (INFORMS)*, National Harbor, MD, November 7-13, 2020. (Virtual Meeting)
- Temizkan, O., and Kumar, R. L. Understanding Quality of Crowdsourced Answers in Online Communities, *Institute for Operations Research and the Management Sciences (INFORMS)*, Seattle, WA, USA, October 20-23, 2019.
- Temizkan, O., and Kumar, R. L. Timely Production of Crowdsourced Answers in Stack Overflow: A Survival Analysis Model, *Institute for Operations Research and the Management Sciences (INFORMS)*, Phoenix, Arizona, USA, November 4-7, 2018.
- Temizkan, O., and Kumar, R. L. Understanding Determinants of Idea Quality in On-Line Communities, *Institute for Operations Research and the Management Sciences (INFORMS)*, Houston, Texas, USA, October 22-25, 2017.

- Temizkan, O., and Kumar, R. L. The Effect of Ambidextrous Developers on Open Source Project Success, *Institute for Operations Research and the Management Sciences (INFORMS)*, Nashville, Tennessee, USA, November 13-16, 2016.
- Temizkan, O., and Kumar, R. L. The Effect of Project Artifacts, Ambidexterity, and Social Network on Open Source Project Success, *Institute for Operations Research and the Management Sciences (INFORMS)*, Philadelphia, Pennsylvania, USA, November 1-4, 2015.
- Temizkan, O., and Kumar, R. L. The Effect of Project Artifacts, Ambidexterity, and Social Network Characteristics on Open Source Project Success, Accepted by *Americas Conference on Information Systems (AMCIS)*, Puerto Rico, August 13-15, 2015.
- Temizkan, O., Park, S., and Saydam, C. Software Diversity for Improved Network Security in the Presence of Shared Vulnerabilities, *Post-ICIS LG CNS/KrAIS Workshop*, Milan, Italy, December 18, 2013.
- Temizkan, O., and Kumar, R. L. A Social Network Analysis of Differences between Exploration and Exploitation in OSS Development, *11th Workshop on E-Business (Web)*, Orlando, Florida, USA, December 15, 2012.
- Temizkan, O., and Kumar, R. L. Exploration and Exploitation in Open Source Software Development, *Institute for Operations Research and the Management Sciences (INFORMS)*, Charlotte, North Carolina, USA, November 13-16, 2011.
- Temizkan, O., Kumar, R. L., Park, S., and Subramaniam, C. Software Vendors' Patch Release Behaviors: Impact of Vulnerability Characteristics, *8th Workshop on E-Business (WeB)*, Phoenix, Arizona, USA, December 15, 2009. (**Best Paper Award, WeB 2009**)
- Temizkan, O., and Stylianou, A. IT Value Creation through Value Chain Processes: The Effect of CIO/TMT Engagement and Knowledge of Senior Executives, *29th Annual Research Conference of Organizational Systems Research Association (OSRA)*, Phoenix, AZ, USA, December 15, 2009.

PRESENTATIONS AND SEMINARS

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| • INFORMS Annual Meeting, Seattle, WA, USA | 2024 |
| • INFORMS Annual Meeting, Phoenix, AZ, USA | 2023 |
| • Global Sourcing Workshop (Ancillary ICIS Conference), Copenhagen, Denmark | 2022 |
| • INFORMS Annual Meeting, Indianapolis, IN, USA | 2022 |
| • INFORMS Annual Meeting, Anaheim, CA, USA | 2021 |
| • INFORMS Annual Meeting, National Harbor, MD, USA | 2020 |
| • INFORMS Annual Meeting, Seattle, Washington, USA, Session Chair for E-Business/E-Commerce III | 2019 |
| • INFORMS Annual Meeting, Phoenix, Arizona, USA | 2018 |
| • INFORMS Annual Meeting, Houston, Texas, USA | 2017 |
| • INFORMS Annual Meeting, Nashville, TN, USA | 2016 |
| • INFORMS Annual Meeting, Philadelphia, PA, USA | 2015 |
| • ICIS Conference, Auckland, New Zealand | 2014 |
| • Decision Sciences Institute Annual Meeting, Tampa, FL, USA | 2014 |
| • ICIS LG CNS/KrAIS Workshop, Milan, Italy | 2013 |
| • ICIS Web Conference, Orlando, FL, USA | 2012 |
| • Sabancı University, IE-OPIM Joint Seminar, Business and Engineering Schools, Istanbul, Turkey | 2012 |
| • Boğaziçi University, Management Information Systems, Istanbul, Turkey | 2012 |
| • INFORMS Annual Meeting, Charlotte, NC, USA | 2011 |
| • ICIS Web Conference, Phoenix, AZ, USA | 2009 |
| • ICIS OSRA Conference, Phoenix, AZ, USA | 2009 |
| • University of North Carolina at Charlotte, Business School, Charlotte, NC, USA | 2009 |