

November 2023

## Jaeyoung Kim

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### ACADEMIC POSITIONS

**University of Dayton School of Business Administration** 2023–present  
Assistant Professor of Operations and Business Analytics  
Department of MIS, Operations & Supply Chain Management, and Business Analytics

### EDUCATION

**Clemson University**, Clemson, SC 2023  
PhD in Business Administration, Supply Chain and Operations Management Concentration  
Advisors: Lawrence Fredendall, Ahmet Colak

**Naveen Jindal School of Management, UT Dallas**, Richardson, TX 2018  
Master of Science in Supply Chain Management

**Dongguk University**, Seoul, South Korea 2016  
Bachelor of Business Administration

**Naveen Jindal School of Management, UT Dallas**, Richardson, TX  
Exchange Student in Business Administration 2015 - 2016

### RESEARCH INTERESTS

Healthcare Operations Behavioral Operations  
Empirical Operations Management Data Analytics

### WORKING & SUBMITTED PAPERS

- [Jaeyoung Kim](#), Lawrence Fredendall, Ahmet Colak, & Robert Allen. Reducing OR Time Mismatches Using Data-Driven Operations Scheduling. Targeting *Journal of Operations Management*. / [SSRN](#)
- [Jaeyoung Kim](#), Lawrence Fredendall, & Ahmet Colak. Do New Partner and Procedure Exposure Influence Operating Room Nurse Turnover?. Targeting *Manufacturing & Service Operations Management*.
- [Jaeyoung Kim](#), Lawrence Fredendall, Ahmet Colak, Babur De los Santos, & Benjamin Grant. Value of Cross-departmental Information-Sharing in Operating Room Scheduling. In progress.
- Cassie Mueller, Lawrence D. Fredendall, Dorothy William, Joshua Gray, [Jaeyoung Kim](#), & Gregory Hair. Creating a Daily Management System from Electronic Health Records to Facilitate Patient Flow in an Emergency Department. [Co-authored as a research assistant] Under review at *Quality Management Journal*.

### JOURNAL PUBLICATIONS

- Yann Ferrand, Lawrence Fredendall, Kevin Taaffe, San Dee, [Jaeyoung Kim](#), Joseph Anjali, Brandon Lee, & Alexis Fiore. Separate Rooms for Induction, Set-up, and Breakdown – Applying Design Science to Perioperative Services. *Quality Management Journal*, forthcoming.
- Dorothy Williams, Lawrence Fredendall, Gregory Hair, Jim Kilton, Cassie Mueller, Joshua D. Gray, Christian Graver, & [Jaeyoung Kim](#). Quality Improvement: Implementing Nurse Standard Work in Emergency Department Fast Track Area to Reduce Patient Length of Stay. *Journal of Emergency Nursing*, 48(6), November 2022, pp. 666-677. / [Link](#)

### CONFERENCE & INVITED PRESENTATIONS

- Reducing Perioperative Phases of Care Durations through Improved Efficiency. Seyed Amin Seyed Haeri (co-presenter), [Jaeyoung Kim](#) (co-presenter), Lawrence Fredendall, Yann Ferrand, Kevin Taaffe, Dee San, Susan O'Hara, Scott Reeves, and the RIPCHD.OR Research Team, **2019 POMS Annual Meeting**.

2. The Role of Team Familiarity to Improve Surgical Team Performance in Operating Room. Jaeyoung Kim, Lawrence Fredendall, and Robert Allen, **2019 INFORMS Annual Meeting**.
3. The Effects of Team Familiarity on Team Coordination and Outcomes in the Operating Room. Jaeyoung Kim, Lawrence Fredendall, and Robert Allen, **2019 DSI Annual Meeting**.
4. An Examination Of How Scheduling Can Use Team Familiarity and Task Complexity to Affect Case Duration In an Operating Room. Jaeyoung Kim, Lawrence Fredendall, Ahmet Colak, and Robert Allen, **2020 INFORMS Annual Meeting**.
5. Exploring the Trilateral Productivity in Surgery Teams: Do Agents, Pairs, and Teams Affect Each Other? Jaeyoung Kim, Lawrence Fredendall, Ahmet Colak, and Robert Allen.
  - **2021 MSOM Annual Meeting**
  - **2021 INFORMS Annual Meeting**
6. Reducing OR Time Mismatches Using Data-Driven Operations Scheduling. Jaeyoung Kim, Ahmet Colak, Lawrence Fredendall, and Robert Allen.
  - **2022 POMS Annual Meeting**
  - **2022 INFORMS Annual Meeting**
  - **2022 DSI Annual Meeting**
7. Do New Partner and Procedure Exposure Influence Operating Room Nurse Turnover?. Jaeyoung Kim, Lawrence Fredendall, & Ahmet Colak, **2023 INFORMS Annual Meeting**.

## TEACHING

**University of Dayton**, Dayton, OH

- OPS 301: Survey of Operations and Supply Management (Fall 2023)

**Clemson University**, Clemson, SC

- MGT 2010: Principles of Management (Fall 2021–Spring 2023)
- MGT 3100: Intermediate Business Statistics (Spring 2020–Spring 2021)

## HONORS & AWARDS

**Graduate Student Government Travel Grants**  
Clemson University (\$4,010)

Fall 2019 - Fall 2022

**Women in Operations Research – Bayer Scholarship**  
Analytics Society of INFORMS (\$145) / [Link](#)

2021

## SERVICE

**Session Chair**

- INFORMS Annual Meeting, 2022, 2023
- DSI Annual Meeting, 2022
- POMS Annual Meeting, 2024

**INFORMS HAS Student Liaison**  
Health Applications Society (HAS) of INFORMS

May 2021 - May 2022

**Senator**  
Graduate Student Government, Clemson University

Sep 2018 - Aug 2019

## VOLUNTEER EXPERIENCE

**Organizer**  
NGO OMKIM, Seoul, South Korea

Jan 2014 - Feb 2015

**Principal Investigator**  
NGO OMKIM, Seoul, South Korea  
Investigation of Beneficiary Communities in Myanmar-Thailand Border Area, Funded by Seoul City

Aug 2014

**Facilitator, Vice Team Leader**

Mar 2014 - Jul 2014

Namdohaksuk, Seoul, South Korea

International Development Volunteer Work in Collaboration with Good Neighbors Guatemala,  
Guatemala City, Guatemala

**MEMBERSHIP**

Institute for Operations Research and Management Sciences (INFORMS)

Manufacturing and Service Operations Management (MSOM)

Production and Operations Management Society (POMS)

Decision Sciences Institute (DSI)

**TECHNICAL  
SKILLS**

R, Python, Stata, SQL, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office Suite (Word, PowerPoint, Excel)

**LANGUAGE**

English (fluent), Korean (native)