Sojung Kim

Assistant Professor
Industrial Engineering
Texas A&M University – Commerce
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EDUCATION:

Doctor of Philosophy (Ph.D.), Systems and Industrial Engineering	August 2015
The University of Arizona, Tucson, Arizona, USA	
Master of Engineering, Industrial and Systems Engineering	February 2010
Dongguk University, Seoul, Republic of Korea	
Bachelor of Science, Industrial and Systems Engineering	August 2008
Dongguk University, Seoul, Republic of Korea	

PROFESSIONAL EXPERIENCE:

- **Assistant Professor**   August 2016 – Present
  Texas A&M University – Commerce, Commerce, TX, USA
- **Adjunct Lecturer & ABET/SACS Accreditation Coordinator**   August 2015 – August 2016
  University of Florida, Gainesville, FL, USA
- **Teaching & Research Assistant**   August 2011 – July 2015
  University of Arizona, Tucson, AZ, USA

SELECTED PUBLICATIONS:

Journal Articles
- **Kim, S.**, Kim, S., & Kiniry, J. R. (2018). Two-phase simulation-based location-allocation optimization of biomass storage distribution. *Simulation Modelling Practice and Theory*, *86*, 155-168.
- **Kim, S.**, Son, Y. J., Tian, Y., Chiu, Y. C., and Yang, C. D. (2017) Cognition-Based Hierarchical En Route Planning for Multi-Agent Traffic Simulation. *Expert Systems with Applications*, Vol. 85 (1), pp. 335–347.
- **Kim, S.**, Meng, C., and Son, Y. J. (2017) Simulation-Based Machine Shop Operations Scheduling System for Energy Cost Reduction. *Simulation Modelling Practice and Theory*, Vol. 77, pp. 68–83.
- **Kim, S.**, Son, Y. J., Chiu, Y. C., Jeffers, M. A. B., and Yang, C. D. (2016) Impact of road environment on drivers' behaviors in dilemma zone: Application of agent-based simulation. *Accident Analysis & Prevention*, Vol. 96, pp. 329-340.
- **Kim, S.** and Yoon, B. (2014) A Systematic Approach for New Service Concept Generation: Application of Agent-Based Simulation. *Expert Systems with Applications*, Vol. 41, No. 6, pp. 2793-2806

- **Kim, S.** and Yoon, B. (2012) Developing a Process of Concept Generation for New Product-Service Systems: a QFD and TRIZ-Based Approach. *Service Business*, pp. 1862-8516
- Yoon, B., **Kim, S.** and Rhee, J. (2012) An Evaluation Method for Designing a New Product-Service System. *Expert Systems with Applications*, Vol. 39(3), pp. 3100-3108.

Proceedings, Presentations and Posters
- Kim, S., **Kim, S.**, & Kiniry, J. R. (2019). *Measurement and Estimation of Evapotranspiration (ET) across Different Vegetation Types in Wetland*, American Society of Agronomy (ASA) Annual Meeting.
- Kim, S., **Kim, S.**, Cho, J., Park, S., & Kiniry, J. R. (2019). *Modeling Impacts of Climate Change and Nitrogen Fertilization Effects on Switchgrass Biomass Production at Diverse Sites in the U.S.,* Switchgrass V International Conference: Dedicated Energy Crops and Native Grasses for the Emerging Bioeconomy, University of Illinois at Urbana-Champaign.
- Kissling, T., & **Kim, S.** (2019, May) Location-Allocation of Autonomous Vehicle Stations in Frisco, TX, In *IISE Annual Conference. Proceedings*. Institute of Industrial and Systems Engineers (IISE).
- Aydin, B., **Kim, S.**, & Harp, D. (2018, May) Designing an Automated Sustainable Green Roof System, In *IISE Annual Conference. Proceedings*. Institute of Industrial and Systems Engineers (IISE).
- Sahinkaya, T., & **Kim, S.** (2018, May) International Space Station Resupply Cost Minimization, In *IISE Annual Conference. Proceedings*. Institute of Industrial and Systems Engineers (IISE).

HONORS & AWARDS

- Mr. Tyce Kissling (Dr. Kim's advisee) received the 3rd place of the undergraduate operations research competition
- Mr. Trent Sahinkaya (Dr. Kim's advisee) received the 3rd place of the undergraduate operations research competition
- The 2nd place of Doctoral Colloquium Poster Presentations, IIE Annual Meeting, June 2014.

CERTIFICATIONS:

- Management Consultant Certification in Operation Management, Human Resources Development Service of KOREA, Registration No. m009760, October 2008.
- Sun Certified JAVA Programmer (SCJP), Sun Microsystems, Registration No. 409182, January 2007.
- Microsoft Certified System Engineer (MCSE), Microsoft Corporation, Registration No. 3115844, January 2004.
- Microsoft Certified Database Administrator (MCDBA), Microsoft Corporation, Registration No. 3115844, January 2004.

PROFESSIONAL SOCIETIES & ACTIVITIES:

- Editor, Journal of the Korea Society for Simulation
- Registration Chair, Winter Simulation Conference, Washington, D.C., 2019
- Member, Institute for Operation Research and the Management Sciences (INFORMS)
- Member, Institute of Industrial and Systems Engineers (IISE)
- Member, Korea Management and Technology Consultant Association (KMTCA)