Ho Young, Jeong

PERSONAL DATA

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RESEARCH INTERESTS

- Special interest in Supply Chain Management, supply chain logistics
- combinatorial optimization
- Interest in big data management, database, information retrieval.

EDUCATION

Current	**PURDUE UNIVERSITY** *Ph.D. Student in Industrial Management Engineering*	West Lafayette, IN, United States
May 2018	**PURDUE UNIVERSITY** *Master of Science in Industrial Management Engineering*	West Lafayette, IN, United States
July 2016	**INHA UNIVERSITY** *Bachelor of Industrial Management Engineering*	Incheon, Republic of Korea
Mar 2015	**ILLINOIS INSTITUE OF TECHNOLOGY** *Exchange program, Bachelor of Industrial Technology and Management*	IL, United States

PUBLICATIONS

Journal Papers

1. Ho Young Jeong, Byung Duk Song, and Seokcheon Lee. "Truck-drone hybrid delivery routing: Payload-energy dependency and No-Fly zones." *International Journal of Production Economics* 214 (2019): 220-233.

Conference Proceeding

1. Ho Young Jeong, Seokcheon Lee, Vehicle-Carrier Routing Problem, *Institute for Operations Research and the Management Sciences (INFORMS) Annual meeting*, 2018.
2. Byung Duk Song, Ho Young Jeong, Sungbum Jun and Seokcheon Lee, Movable Unmanned Aerial System Optimization of System Resource Design and Drone Routing, *International Conference on Production Research 25th (ICPR25)*, 2019.

PRESENTATION

1. Ho Young Jeong, Seokcheon Lee, Scheduling Hybrid Delivery System of Truck and Drone: Energy-Payload dependency and No-Fly Zone, *Institute of Industrial and Systems Engineers, Institute of Industrial and Systems Engineers (IISE) Annual meeting*, Orando, US, 2018.
2. Ho Young Jeong, Seokcheon Lee, Vehicle-Carrier Routing Problem, *Institute for Operations Research and the Management Sciences (INFORMS) Annual meeting*, Peonix, US, 2018.

3. Byung Duk Song, Ho Young Jeong, Sungbum Jun and Seokcheon Lee, Movable Unmanned Aerial System Optimization of System Resource Design and Drone Routing, *International Conference on Production Research 25th (ICPR25)*, Chicago, US, 2019.
4. Ho Young Jeong, Seokcheon Lee, Optimization of Vehicle-Carrier Routing Mathematical Model and Comparison with Related Routing Models, *International Conference on Production Research 25th (ICPR25)*, Chicago, US, 2019.
5. Ho Young Jeong, Seokcheon Lee, Airship-based drone delivery system: quantitative approach for managerial and operational guidelines., *Institute for Operations Research and the Management Sciences (INFORMS) Annual meeting*, Seattle, US, 2019.

ACADEMIC AWARD

1. The 1st Runner up paper on *International Conference on Production Research 25th (ICPR25)*, 2019.

RESEARCH EXPERIENCE

May 2019 - Current	**Visualization of Repair Operations Management for Networked Systems Resilience** Funded by **Navy Crane Center**, IN, United States Developed a simulation tool and optimization tools for military network resilience.
Jan 2018 – May 2019	**Resilience in Networked Systems using collaboration (RNSC) Project** Funded by **Navy Crane Center**, IN, United States Developed a user interface and optimization tools for military facility network.

SKILLS

Python, MATLAB, C#, R, ILOG CPLEX, Gurobi, ARENA