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RESEARCH INTERESTS	Healthcare service delivery operations design, modeling and design of large-scale engineered system, port operations optimization

EDUCATION

KAIST, Daejeon, Korea

(Prospective) M.S. Candidate, Industrial & Systems Engineering, Aug, 2018
- *Thesis*: Improving the Measurement of the Korean Emergency Medical System's Spatial Accessibility
- *Advisor*: Prof. Taesik Lee (Department of Industrial & Systems Engineering, KAIST)

KAIST, Daejeon, Korea

(All but dissertation) Integrated M.S. and Ph.D., Industrial & Systems Engineering, Feb, 2018
- *Advisor*: Prof. Taesik Lee (Department of Industrial & Systems Engineering, KAIST)

KAIST, Daejeon, Korea

B.S., Industrial Engineering (Minor major: Business Economics), Feb, 2008

JOURNAL PUBLICATIONS

Shin, K., Lee, T. 2013. Container Loading and Unloading Scheduling for A Mobile Harbor System: A Global and Local Search Method. *Flexible Services and Manufacturing Journal.* 25(4):557-575, DOI: 10.1007/s10696-012-9134-7

JOURNAL PAPERS UNDER REVIEW

Shin, K., Lee, T. 2018. Improving the Measurement of the Korean Emergency Medical System's Spatial Accessibility. *Applied Geography* (major revision, manuscript submitted in January 2018).

CONFERENCE PROCEEDINGS

Lee, T., Sung, I., Shin, K., Nam, H. 2010. Optimal planning for Mobile Harbor system operation (in Korean). Conference of society of CAD/CAM engineers.
http://www.dbpia.co.kr/Article/NODE02359479

Shin, K., Lee, T. 2010. Container unloading scheduling optimization problem with Mobile Harbors stability constraint: near optimal solution searching method based on rule-based heuristic and local search method (in Korean). In: Proceedings of spring joint conference of Korean institute of industrial engineers and Korean operations research and management science society.
http://www.dbpia.co.kr/Article/NODE01954922

Shin, K., Lee, T. 2010. A GA-based approach for container unloading scheduling problem with Mobile Harbors stability constraint. The 2010 international conference on logistics and maritime systems (Not available online).

Shin, K. Nam, H., Lee, Y., Lee, T. 2012. Communication Modeling for a Combat Simulation in Network Centric Warfare Environment (in Korean). Agency for Defense Development the 13th Conference on Communication/Electronics (Not available online).

Shin, K., Nam, H., Lee, T. 2013. Communication Modeling for A Combat Simulation in A Network Centric Warfare Environment. Proceedings of the 2015 Winter Simulation Conference. DOI: 10.1109/WSC.2013.6721534

CONFERENCE
PRESENTATION

Shin, K., Nam, H., Lee, T. 2015. Communication and Sensor Model for A Combat Simulation. Asia Simulation Conference.

PATENTS

Method for Modeling Target Information Generation and Sharing in a Combat Simulation of a Network Centric Warfare Environment, Korean patent #1015494710000 (2015.8.27)