**Education**

Ph.D. Candidate, KAIST, Department of Industrial & Systems Engineering, Mar 2011 - Current

M.S., KAIST, Department of Industrial & Systems Engineering, Feb 2011

B.S., KAIST, Department of Industrial & Systems Engineering, Feb 2009

**Research Interests**

System Optimization

System Design Operation Management

**Journal Publication**

1. Design of carrier-based offshore CCS system: Plant location and fleet assignment, H. Nam, T. Lee, J. Lee, J. Lee, H. Chung, International Journal of Greenhouse Gas Control, 12:220-230, 2013

2. A Scheduling Problem for a Novel Container Transport System: A Case of Mobile Harbor Operation Schedule, Nam, H and Lee, T, Flexible Services and Manufacturing Journal, 25(4):576-608, 2013

3. SCHEDULING ALGORITHMS FOR MOBILE HARBOR: AN EXTENDED M-PARALLEL MACHINE PROBLEM, Sung, I, Nam, H, and Lee, T, International Journal of Industrial Engineering: Theory, Applications and Practice, 20(1-2):213-226, 2013

**Working Paper**

“Analysis of passenger selectable vehicle sharing system, working paper”

**Conference Proceedings**

1. Communication Modeling for a Combat Simulation in a Network Centric Warfare Environment, Shin, K, Nam, H, and Lee, T, 2013 Winter Simulation Conference, Washington, U.S.A

2. A Study of Scheduling Algorithms for Mobile Harbor with an Extended M-Parallel Machine Problem, I. Sung, H. Nam and T. Lee, The International Conference on Logistics and Maritime Systems, Busan, Korea, September 15-17, 2010

**Conference Presentations**

1. Analysis on Selective Passenger Admission by using Markov Reward Model, Nam, H. and Lee, T., 2017 KIIE Annual Spring Conference," Yeosu, Korea, April 26-29, 2017.

2. Modeling and Simulation for Evaluating the C3 Structure for a NCW Mission Environment, Nam, H. and Lee, T., 2015 Winter Simulation Conference, Huntington Beach, CA, December 6-9, 2015.

3. Communication and Target Acquisition Modeling for a Combat Simulation in a Network Centric Warfare Environment, Nam, H., Shin, K. and Lee, T., 2013 International Military Science and Technology Fair, Seoul, Korea, July 11-14, 2013.

4. Communication modeling for war game simulation under Network Centric Warfare, Shin, K., Nam, H., Lee, Y. and Lee, T., 13th ADD Conference on Communications and Electronics, November 2, 2012, Daejeon, Korea.

5. System Design for CCS based on CO2 carrier, Nam, H., Lee, T. and Chung, H., 2012 KIIE Annual Fall Conference, November 2, 2012, Ansan, Korea.

6. Design of ABMS-based simulation model for C4I in an NCW combat environment, Nam, H., Lee, Y., Baek, K., Shin, K. and Lee, T., 2012 KORMS Annual Fall Conference, November 1, 2012, Seoul, Korea.

7. An extended M-parallel machine problem with a limited machine capacity and interference between jobs, Sung, I., Nam, H. and Lee, T., KIIE/KORMS Annual Spring Joint Conference, June 3-4, 2010, Jeju, Korea.

8. Optimal planning for Mobile Harbor system operation," Lee, T., Sung I., Shin, K. and Nam, H., Korea CAD/CAM Association Winter Conference, January 27-28, 2010, Yongpyoung, Korea.

**Research Projects**

NCW 기반 전투 모델링 기술 연구, participating researcher, 방위사업청, 2011-2016

모바일하버 실시간 운영 및 통제 기술, participating researcher, 지식 경제부, 2009 - 2011

**Award**

Honorable mention (Hochang Nam, Kyuhyeon Shin, Taesik Lee, “Communication and target acquisition modeling for a combat simulation in a network centric warfare environment”), International Military Science and Technology Fair, 2013

**Patents**

1. METHOD FOR MODELING TARGET INFORMATION GENERATION AND SHARING IN A COMBAT SIMULATION OF A NETWORK CENTRIC WARFARE ENVIRONMENT, #1015494710000 (2015.08.27)

2. METHOD AND APPARATUS FOR PLANNING OPERATION OF MOBILE HARBOR SYSTEM, #1010623580000 (2011.08.30)

**Contact**

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