Munjeong KANG

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 Main Research Interest : Optimization, Logistics, Manufacturing, Supply Chain Management
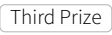
🎓 EDUCATION

3/2019 - Present	**M.S. Student, Hankuk University of Foreign Studies** › Dept. of Industrial and Management Engineering (Data Analytics) › Optimization Lab
3/2015 - 2/2019	**B.S., Hankuk University of Foreign Studies** › Dept. of Industrial and Management Engineering › Dept. of International Finance
3/2012 - 2/2015	**Dongsan Christian High School** › Natural Sciences

🏷 CONFERENCE PRESENTATION

2019.11.08   **Kang, M.**, Kyung, J., Lee, C., An Algorithm for TSP with Time Dependent Profits(TSPwTDP), Korean Institute of Industrial Engineers.

2019.06.24   **Kang, M.**, Lee, Y., Cho, J., Lee, C., Outbound supply chain optimization by a combined approach of reinforcement learning and mathematical programming, Euro 2019, Dublin, Ireland.

2019.04.11   **Kang, M.**, Lee, Y., Cho, J., Lee, C., A combined approach of reinforcement learning and mathematical programming for a real-world outbound supply chain optimization, Korean Institute of Industrial Engineers.

2018.04.06   Lee, Y., **Kang, M.**, Kim, N., Lee, C., A column generation based heuristic algorithm for Drone Location and Routing with Altitude, Korean Institute of Industrial Engineers.

2017.10.27   **Kang, M.**, Kim, N., Lee, Y., Yoon, J., Comparative analysis of Customer Requirements for Online and Offline Mobile Easy Payment Service, Korea Quality Congress.

🏆 AWARDS

Optimization of Manufacturing Process   2020
Second Prize of LG AI Hackathon Competition.
`Second Prize` `Competition` `Dacon` `LG`

Supply Chain Management optimization using Reinforcement Learning   ▶ Presentation   2019
Third Prize of INFORMS 2019 Analytics & O.R Student Team Competition. 2019 SUMMER GLOBAL HUFS INTERVIEW.
`Third Prize` `Competition` `GM` `INFORMS`

Drone Surveillance Algorithm   2018
Award from Ministry of Science and ICT. 2018 SPRING GLOBAL HUFS INTERVIEW.
`Grand Prize` `Project` `KIIE` `MSIT`

Development and Idea of O2O(Online-To-Offline)   2017
Award from Ministry of Gender Equality and Family. Corporate tour of IMF & WORD BANK.
`Grand Prize` `Idea-Tone` `KOWIN` `MOGEF`

📄 PUBLISHED RESEARCH PAPER

An Algorithm for TSP with Time Dependent Profit   ⬈ TSPwTDP.pdf   2020
Kang, M., Kyung, J., Lee, C., (2020). An Algorithm for TSP with Time Dependent Profits (TSPwTDP). *Journal of the Korean Institute of Industrial Engineers,46*(3), 338-348.

Drone Surveillance System Considering Dynamic POIs   ⬈ DLRwA.pdf   2019
Lee, Y., **Kang, M.**, Kim, N., Lee, C., (2019). Drone surveillance system considering dynamic POIs. *Journal of the Korean Institute of Industrial Engineers,45*(5), 416-429.