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연구분야

생산·물류 시스템 분석 및 최적화 / ICT융합 / 재난대응체계

수상

Best Paper Award, ISMI2018&IEEE SMILE 2018, 2018
Best Paper Award, The Second Global Conference
on Theory and Applications of OR/OM for Sustainability, 2017
Best Paper Award, The 17th International Conference
on Industrial Engineering, 2013

주요 연구실적

- Stabilization of Delayed Fuzzy Neutral-type Systems Under Intermittent Control, INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS. 2021. Vol. 19. No. 3, pp. 1408-1425
- A FORMAL MODEL OF THE AGENT-BASED SIMULATION FOR THE EMERGENCY EVACUATION PLANNING, International Journal of Industrial Engineering: Theory, Applications and Practice, 2020. Vol. 27. No. 4. Pp. 645-664
- Finite-time extended dissipativity of delayed Takagi-Sugeno fuzzy neural networks using a free-matrix-based double integral inequality, NEURAL COMPUTING & APPLICATIONS, 2020. Vol. 32. No. 12. Pp. 8517-8528
- Moment-based Rental Prediction for Bicycle-sharing Transportation Systems Using a Hybrid Genetic Algorithm and Machine Learning, Computers & Industrial Engineering. 2019. Vol. 128. Pp. 60-69
- A PRODUCTION LOT SIZING MODEL CONSIDERING QUALITY CONTROL, REWORK, AND SHORTAGES. International Journal of Industrial Engineering-Theory, Applications and Practice, 2018. Vol. 25, No. 6, pp. 843-861.
- Network repair crew scheduling for short-term disasters, Applied Mathematical Modelling, 2018. Vol. 64, pp510-523.5

주요 연구과제

- Pre- and Post-disaster Relief and Recovery Operation Management Planning for Earthquake Using Data Analytics, National Research Foundation, 2018.11~2021.10
- Disaster Management(Humanitarian Evacuation and Relief Chain Management) in Nuclear Disaste, National Research Foundation, 2015.09~2018.10
- Transporter Planning for Large Assembly Blocks: Logistics, Samsung Heavy Industry, 2014.08~2015.03