

# INTERNATIONAL JOURNAL OF ARTIFICIAL INTELLIGENCE AND GREEN MANUFACTURING

A PUBLICATION OF HOPE EMBARK

APRIL 2026

VOLUME 1

NUMBER 1

---

## REGULAR PAPERS

Energy-Efficient Task Allocation for Smart Traffic Signal Control in Edge-Cloud Hierarchies .....Z. Wang, J. Li, H. Yuan, and J. Bi	1
Intelligent Detection of Container Surface Damage Based on Scene Self-Adaptation and Cascaded Network ..... R. Li, Z. Li, S. Liu, Y. Wang, and X. Yang	10
Order-Driven Disassembly Task Scheduling and Optimization for Multi-Factory Remanufacturing .....C. Zheng, Y. Tang, W. Wang, and Q. Kang	25
An Empirical Investigation into the Limitations of Sparse Mixture of Experts for Small Scale Character Level Modeling ..... F. Xu, W. Hou, and L. Wei	38
Hybrid-Line Remanufacturing Process Optimization for Multi-Type Factories with Twin Delayed Deep Deterministic Policy Gradient Algorithm.....J. Gu, Y. Feng, and V. Veksler	48

---