

IEEM2025

IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)
7 to 10 Dec, 2025 Melbourne Convention and Exhibition Centre, Australia



Thank you for being a part of IEEM2025. We appreciate your contributions and hope you had a rewarding experience.

We are pleased to share that eligible papers are expected to be published in IEEE Xplore between February and March 2026. A formal announcement will be made once the proceedings are available. The photo gallery will also be released and announced as soon as it is ready.

Meanwhile, please bookmark the [IEEM2025](https://www.ieem2025.org) website and visit it regularly for the latest updates and upcoming conference information.

We also extend our warmest congratulations to the IEEM2025 Conference Paper Award Winners:

Best Paper Award

IEEM25-F-0326

Adaptive Interception Strategies of Unmanned Surface Vehicle Defender for Coastal and Port Security

Nur HAMID^{1#+}, Willy DHARMAWAN², Haitham H. SALEH¹, Sami EL-FERIK³

¹King Fahd University of Petroleum and Minerals, Saudi Arabia, ²King Fahd University of Petroleum and Mineral, Saudi Arabia, ³King Fahd University of Petroleum and Mineral, Saudi Arabia, Saudi Arabia

IEEM25-F-0498

Optimizing Task Reliability with Predictive Maintenance Under Incomplete Information and Limited Spare Resources

Fanping WEI⁺, Xiaobing MA, Li YANG[#], Yi CHEN

Beihang University, China

Outstanding Paper Award

IEEM25-F-0291

Deployment Optimization of Mobile Automated External Defibrillators: Spatiotemporal Characterized Model and Adjusted ALNS Algorithm

Hanxiao JIANG¹⁺, Kexin CAO¹, Mingchuan YANG², Wai Kin (Victor) CHAN^{1#}

¹Tsinghua University, China, ²Shenzhen Technology Institute of Urban Public Safety, China

IEEM25-F-0297

Polynomial-Time Algorithms for the Fixed-Route Vehicle Charging Problem with a Linear Charging Function

Aito HIRANO^{1#+}, Kazuki HASEGAWA², Wei WU²

¹Graduate School of Integrated Science and Technology, Shizuoka University, Japan, ²Shizuoka University, Japan

IEEM25-F-0478

The Application of a Machine Learning Ensemble Model to Improve Bed Allocation Strategies in Australian Healthcare System

Khabir PANCHAL, Ripon K. CHAKRABORTTY^{#+}

UNSW Canberra, Australia

IEEM25-F-0035

A Game-Based Learning Framework to Enhance Student Engagement and Knowledge Gain in Operations Research Education

Zhonghao ZHAO, Carman Ka Man LEE[#], Haonan WANG⁺, Zhefan HOU
The Hong Kong Polytechnic University, Hong Kong SAR

IEEM25-F-0298

Multi-Objective Optimization of Dynamic Recyclable Waste Vehicle Scheduling with Limited Number of Vehicles

Liu LIU¹, Yuxin WANG¹, Chang LIU¹, Meimei ZHENG^{1#+}, Wei WENG²
¹*Shanghai Jiao Tong University, China*, ²*Kanazawa University, Japan*

IEEM25-F-0366

Robust Unsupervised Video Foreground Segmentation via Penalized Bayesian Tensor Factorization

Shenghao XIA^{1#}, Jian LIU²⁺, Yinwei ZHANG², Biao ZHANG³
¹*Bowling Green State University, United States*, ²*The University of Arizona, United States*, ³*ABB Inc., United States*

Honourable Mention

IEEM25-F-0046

Innovating Together: The Impact of External Collaboration on Thai Manufacturing Firms' Product and Process Innovation

Takron OPASSUWAN¹⁺, Wisuwat WANNAMAKOK^{2#}
¹*Faculty of Engineering, Chiang Mai University, Thailand*, ²*Agro-industry, Chiang Mai University, Thailand*

IEEM25-F-0362

Enhancing Medication Recommendation with LLM Text Representation

Shih-Wen KE^{1#+}, Yu-Tzu LEE¹, Ling-Chien HUNG²
¹*National Central University, Taiwan*, ²*Ditmanson Medical Foundation Chia-Yi Christian Hospital, Taiwan*

IEEM25-F-0034

A Knowledge Assistant for Semiconductor Fault Diagnosis Using an LLM-Enhanced Case-Based Reasoning Framework

Hyunseop PARK^{#+}, Hyungjae YOO, Junho LEE, Jaegun KIM, Hyunwoo CHA, Minah PARK, Davin LEE, Sungmin CHO, Euisuk KUM
Samsung Electronics, Korea, South

IEEM25-F-0159

Approach for Enabling Second-Life Applications of Industrial Products

Günther SCHUH¹, Marc SCHAUSS^{2#+}, Tim JESCHEK²
¹*RWTH Aachen University, Germany*, ²*Fraunhofer Institute for Production Technology IPT, Germany*

IEEM25-F-0499

Mathematical Modeling for the Consolidation of Elementary Schools in Depopulated Areas

Takenari KANAWA^{1#+}, Wei WU², Yannan HU¹
¹*Tokyo University of Science, Japan*, ²*Shizuoka University, Japan*

Thank you once again, and we look forward to welcoming you in 2026.

IEEM Secretariat: Meeting Matters International

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