Welcome to the 4th Australia International Conference on Industrial Engineering and Operations Management in Melbourne, Australia, 2025

To All-Conference Attendees:

We would like to begin by acknowledging the Traditional Custodians of the land on which we gather. We would also like to pay our respects to their elders past and present.

On behalf of the IEOM Society International, we would like to welcome you to the 4th Australian International Conference on Industrial Engineering and Operations Management to be held in Melbourne, Australia during November 25-27, 2025. The Venue is Batman's Hill Hotel on Collins Street, Melbourne, Australia. This unique international conference provides a forum for academics, researchers, and practitioners from many industries to exchange ideas and share recent developments in the fields of industrial engineering and operations management. This diverse international event provides an opportunity to collaborate and advance the theory and practice of major trends in industrial engineering and operations management. The program includes many cutting-edge topics in industrial engineering and operations management. We have received more than 200 paper/abstract submissions from about 35 countries.

This conference will address issues concerning the continuous improvement of quality and services in supply chain, logistics, and applications of AI based techniques. The IEOM Society is delighted to have the following keynote speakers:

1. Dr Daniel Prior FAMI CPM SFHEA MILT, Associate Professor, Director, Supply Chain Sustainment Research Group, University of NSW Canberra, Australia
2. Professor Dr Fitra Lestari, Vice Dean, Faculty of Science and Technology, Professor in Industrial Engineering Department, Universitas Islam Negeri Sultan Syarif Kasim Riau, Riau, Indonesia
3. Mr Chris Gaspardis, Manufacturing Engineering Manager, PACCAR, Melbourne, Australia
4. Dr Gary Yu-Hsin Chen, Professor, Department of Logistics Management, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan
5. Prof Dr Sally Male, Director, Teaching and Learning Lab (TLL), Faculty of Engineering and Information Technology, The University of Melbourne, Australia
6. Mr Daniel Kulawiec, Design & Construction Executive, Telstra InfraCo, Melbourne, Australia
7. Dr Tetsuo Yamada, Dr Eng., Professor, Program Chair of Management Science and Social Informatics, Director of Laboratory for Environment-Conscious Life Cycle Design with Products Information, Department of Informatics, Graduate School of Informatics and Engineering, The University of Electro-Communications, Japan
8. Dr. Nurbek Kurbonov, PhD, Associate Professor, Tashkent State Technical University (TSTU), Tashkent, Uzbekistan
9. Dr David Paynter, MBA Meng (Adv. Manuf. Tech) BE (Indust.) (Hons) GC (Learn & Teach), UniMelb, Monash, Chisholm & Swinburne, Australia

We are a student-focused organization with 250 student chapters in 55 countries. There are 151 countries from six continents participating in various IEOM Society activities. The IEOM Global Community has more than 25,000 members. Students will participate in competitions on Industrial Engineering and Operations Management sponsored by industry. At this conference, the IEOM Society will hold its Global Engineering Education session which will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. The IEOM Industry Solutions will showcase and feature major topics including IoT, AI, Data Analytics, iCloud, Cyber security, Automation, Digital Manufacturing, MSV, and industry best practices. Global Supply Chain and Logistics will address the global logistic challenges due to the pandemic and Global Business Management will focus on business operations improvement. Panel sessions have been planned: Women in Industry and Academia Panel, Global Engineering Education panel and Artificial Intelligence, Data Analytics and Cybersecurity in Industry and Academia.

The IEOM Society would like to express our deep appreciation to our sponsors, university partners, organization partners, exhibitors, authors, reviewers, keynote speakers, panelists, track chairs, advisors, the Australian Advisory committee, and the many volunteers who have given so much of their time and talent to make this unique international conference an overwhelming success.

Our very best wishes to all of you for a successful and memorable event.

Conference Chair
Dr Felix Kin Peng Hui
University of Melbourne, Australia

Conference Co-chair
Dr Matthew Pepper
University of Wollongong, Australia

Conference Co-chair
Dr Roberto Chavez Clavijo
Swinburne University of Technology, Australia

Conference Co-chair
Dr Sanjoy Paul
University of Technology Sydney (UTS), Australia

Conference Co-chair
Dr. Azizur Rahman,
RMIT University, Australia

Conference Co-chair
Dr Peter Shi, FCILT
Macquarie University, Australia

Conference Co-chair
Dr Imran Ali
Central Queensland University, Australia

Conference Co-chair
Dr Md Mizanur Rahman
Western Sydney University and IEOM Australia

President, IEOM Society International
Professor Charles Mbohwa, Ph.D.
Distinguished Professor
University of South Africa (UNISA)
Pretoria, South Africa
Past Pro-VC, University of Zimbabwe

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Lawrence Tech University, Michigan, USA
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Prof. Donald Reimer
IEOM Society International
Southfield, Michigan, USA