



The 11th Annual International Conference on Industrial Engineering and Operations Management

March 7-11, 2021 – A Virtual Conference via zoom

<http://ieomsociety.org/singapore2021/>

IEOM Society International, a nonprofit professional organization is organizing the 11th IEOM Annual International Conference in Singapore during March 7-11, 2021. IEOM has become a premier international platform and forum for academics, researchers, scientists and practitioners to exchange ideas and provide insights into the latest developments and advancements in the fields of Industrial Engineering and Operations Management. IEOM has successfully organized previous international conferences in Dhaka (2010), Kuala Lumpur (2011), Istanbul (2012), Bali (2014), Dubai (2015), Orlando (2015), Kuala Lumpur (2016), Detroit (2016), Rabat (2017), Bristol, UK (2017), Bogota (2017), Bandung (2018), Paris (2018), Washington DC (2018), Pretoria (2018), Bangkok (2019), Pilsen (2019), Toronto (2019), Riyadh (2019), Dubai (2020), Detroit (2020), and Harare (2020).

Some the events and activities that are planned include: keynote speakers, global engineering education, Industry 4.0, industry solutions, women in industry and academia, undergraduate student paper competition sponsored by Siemens, graduate student paper competition sponsored by Eaton, Doctoral Dissertation Competition, Masters Thesis Competition, Simulation competition, senior design project competition, undergraduate research competition, high school STEM competition, undergraduate and graduate poster competition, panel sessions, recognition and awards, fellows, exhibition, IEOM student and professional chapter activities and tours.

*Authors can submit full paper(s) or abstract(s) only. IEOM Society encourages to submit full paper(s). All full papers will be subjected to double peer review. Accepted papers will be published in Proceedings and **indexed by Scopus.***

Tracks: Topics covering industrial issues/applications and academic research include, but are not limited to:

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| Artificial Intelligence | Lean and Six Sigma | Technology Management |
| Automation and Control | Logistics Management | Total Quality Management |
| Business Management | Material Flow Cost Accounting (MFCA) | Transportation and Traffic |
| Case Studies | Modeling and Simulation | Work Design, Measurement and ISO |
| Computers and Computing | Occupational Safety and Health (OSH) | Special Tracks |
| Construction Management | Operations Management | Global Engineering Education (GEE) |
| Data Analytics and Big Data | Operations Research | Industry 4.0 |
| Decision Sciences | Product Design and Development | Industry Solutions |
| Defense Management Science | Product Lifecycle Management | Women in Industry & Academia (WIIA) |
| Design and Analysis | Production Planning and Management | Panel Sessions on GEE, Industry 4.0 and WIIA |
| E-Business and E-Commerce | Project Management / Program Management | Competitions |
| Energy | Quality Control and Management | Undergraduate Student Paper Competition |
| Engineering Economy | Reliability and Maintenance | Graduate Student Paper Competition |
| Engineering Education | Robotics Engineering | Doctoral Dissertation Competition |
| Engineering Management | Sensors and Sensing Systems | Master Thesis Competition |
| Entrepreneurship and Innovation | Service Systems and Service Management | Undergraduate STEM Research Competition |
| Facilities Planning and Management | Software Testing and Quality Assurance | Senior Capstone Design Project Competition |
| Financial Engineering | Statistical Process Control | High School & Middle School STEM Competition |
| Healthcare Systems | Statistics and Empirical Research | Poster Competition |
| Human Factors and Ergonomics | Supply Chain Management | Simulation Competition |
| IE / OM in Africa, Asia & Europe | Sustainability and Green Systems | Lean Six Sigma Competition |
| Industrial Management | Sustainable Manufacturing | Logistic Supply Chain Competition |
| Information Technology/Information Systems | Sustainable Production and Quality Management | |
| Inventory Management | Systems Dynamics | |
| IoT | Systems Engineering | |

Conference Chairs

Assoc. Prof. Tan Yan Weng, Head of Programme, Logistics and Supply Chain Management, School of Business, Singapore University of Social Sciences, Singapore

Dr. Ahad Ali, Associate Professor and Director of Industrial Engineering Program, Lawrence Technological University, Michigan, USA

Honorary Chair: Dr. Robert de Souza, Executive Director, The Logistics Institute – Asia Pacific and Senior Fellow, Department of Industrial Systems Engineering and Management, National University of Singapore

Program Chairs

Dr. Aldy Gunawan, Assistant Professor of Information Systems (Practice), Singapore Management University, Singapore

Dr. Tan Kok Choon, Associate Professor (Practice) & Deputy Head of Dept., Department of Analytics & Operations, National University of Singapore

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