



# The 11<sup>th</sup> Annual International Conference on Industrial Engineering and Operations Management

Singapore, Hilton Hotel, March 9-11, 2021

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

IEOM Society International, a nonprofit professional organization is organizing the 11<sup>th</sup> IEOM Annual International Conference in Singapore during March 9-11, 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), Toronto (2019), Riyadh (2019) and Dubai (2020).

Some of 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:

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)	
Construction Management	Operations Management	<b>Special Tracks</b>
Data Analytics and Big Data	Operations Research	Global Engineering Education (GEE)
Decision Sciences	Product Design and Development	Industry 4.0
Defense Management Science	Product Lifecycle Management	Industry Solutions
Design and Analysis	Production Planning and Management	Women in Industry & Academia (WIIA)
E-Business and E-Commerce	Project Management / Program Management	Panel Sessions on GEE, Industry 4.0 and WIIA
Energy	Quality Control and Management	
Engineering Economy	Reliability and Maintenance	<b>Competitions</b>
Engineering Education	Robotics Engineering	Undergraduate Student Paper Competition
Engineering Management	Sensors and Sensing Systems	Graduate Student Paper Competition
Entrepreneurship and Innovation	Service Systems and Service Management	Doctoral Dissertation Competition
Facilities Planning and Management	Software Testing and Quality Assurance	Master Thesis Competition
Financial Engineering	Statistical Process Control	Undergraduate STEM Research Competition
Healthcare Systems	Statistics and Empirical Research	Senior Capstone Design Project Competition
Human Factors and Ergonomics	Supply Chain Management	High School & Middle School STEM Competition
IE / OM in Africa, Asia & Europe	Sustainability and Green Systems	Poster Competition
Industrial Management	Sustainable Manufacturing	Simulation Competition
Information Technology/Information Systems	Sustainable Production and Quality Management	Lean Six Sigma Competition
Inventory Management	Systems Dynamics	Logistic Supply Chain Competition
IoT	Systems Engineering	

## Conference Chairs

Dr. TAN Yan Weng, Associate Professor & Head of Programmes, Logistics & Supply Chain Management, Urban Transportation Management, School of Business, Singapore University of Social Sciences (SUSS), 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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