



First Asia Pacific International Conference on Industrial Engineering and Operations Management

July 9-11, 2021, Harbin, China (Virtual + Onsite)
Host: Harbin Institute of Technology (HIT), Harbin, China
<http://ieomsociety.org/china2021/>

IEOM Society International, a nonprofit professional organization with collaboration with Harbin Institute of Technology, China is organizing the First Asia Pacific International Industrial Engineering and Operations Management Conference in Harbin, China during July 9-11, 2021. Host is Harbin Institute of Technology (HIT), Harbin, China. 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), Dubai (2020), Detroit (2020), Harare (2020), Singapore (2021) and Sao Paulo (2021).

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.

*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 and EBSCO**.*

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

- Artificial Intelligence (AI)
- Automation and Control
- Aviation and Aerospace
- Biomedical Devices and Systems
- Business Analytics
- Business Management
- Case Studies
- Computers and Computing
- Construction Management
- Cybersecurity
- Data Analytics and Big Data
- Decision Sciences
- Defense and Government Systems
- Design
- Design and Analysis
- Digital Manufacturing
- Disruptive Technologies / Smart Technologies
- E-Business and E-Commerce
- E-Manufacturing
- Energy
- Engineering Economy
- Engineering Education
- Engineering Management
- Entrepreneurship
- Environmental Engineering
- ERP
- Facilities Planning and Layout
- Financial Engineering
- Global Manufacturing
- Healthcare Systems
- Human Factors and Ergonomics
- Industrial Management
- Industry 4.0
- Industry Best Practices
- Industry Solutions
- Information Technology and Information Systems
- Innovation
- Inventory Control
- IoT
- Knowledge Management
- Lean



Logistics
Machine Learning
Manufacturing
Material Flow Cost Accounting
Mathematical Sciences
Mechatronics and Predictive Machinery Degradation
Modeling and Simulation
Occupational Safety and Health (OSH)
Operations Management
Operations Research
Optimization
Product Development
Product Lifecycle Management (PLM)
Production Engineering
Production Planning and Control
Project Management
Quality Control
Quality Management
Reliability and Maintenance
Sensors and Sensing Systems
Service Engineering and Service Management
Six Sigma
Smart Mobility and Smart Cities
Statistical Process Control
Statistics and Empirical Research
Supply Chain Management
Sustainability and Green Systems
Sustainability in Manufacturing and Services
Sustainability in Supply Chains and Logistics
Sustainable Manufacturing
Systems Dynamics
Systems Engineering
Technology Management
Total Quality Management (TQM)
Transportation and Traffic
Waste
Work Design, Measurement and ISO

Special Tracks

Global Engineering Education (GEE)
Industry 4.0
Industry Solutions
Women in Industry & Academia (WIIA)
Panel Sessions on GEE, Industry 4.0 and WIIA

Competitions

Undergraduate Student Paper Competition
Graduate Student Paper Competition
Doctoral Dissertation Competition
Master Thesis Competition
Undergraduate STEM Research Competition
Senior Capstone Design Project Competition
High School & Middle School STEM Competition
Poster Competition
Lean Six Sigma Competition
Logistic and Supply Chain Competition
Simulation Competition

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Professor in Industrial Engineering
Deputy Dean of School of Mechatronics Engineering
Head of intelligent Manufacturing Scientific Research Team
Harbin Institute of Technology
Harbin, China

Ahad Ali, Ph.D.

Associate Professor and Director of Industrial Engineering Program
Director, Smart Manufacturing and Lean Systems Research Group
Coordinator, Siemens Electro-Matic Industrial Engineering Lab
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To be added

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To be added

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Program Matrix

Tuesday, July 9, 2021

	Room 1	Room 2	Room 3	Room 4
8:00	Global Engineering Education I	Construction Management	AI	Operations Research
9:45	Welcome Keynote:			
10:00	Opening Keynote I:			
10:40	Opening Keynote II:			
11:20	Break			
11:30	Keynote III:			
12:10	Keynote IV:			
1:00	Global Engineering Education II	Case Studies	Business Management	Lean Six Sigma
3:00	Global Engineering Education III	Energy	Human Factors & Ergonomics	
5:00	Global Engineering Education IV: Panel	Supply Chain	Industry 4.0	Automation and Control

Wednesday, July 10, 2021

	Room 1	Room 2	Room 3	Room 4
8:00	Industry 4.0 / Industry Solutions I	Sustainability in Supply Chain	Design and Analysis	Supply Chain Management
9:45	Welcome Keynote:			
10:00	Keynote I:			
10:40	Keynote II:			
11:20	Break			
11:30	Keynote III:			
12:10	Keynote IV:			
1:00	Industry 4.0 / Industry Solutions II	Maintenance and Reliability	Data Analytics	Engineering Management
3:00	Industry 4.0 / Industry Solutions III	Entrepreneurship / Innovation	Decision Sciences	Industrial Management
5:00	Industry Solutions III: Industry 4.0 Panel	Operations Research	Energy	Business Management

Thursday, July 11, 2021

	Room 1	Room 2	Room 3	Room 4
8:00	Global Business Management I	Business Management	Healthcare Systems	Project Management
9:45	Conference Co-Chairs Remarks			
10:00	Keynote I:			
10:40	Keynote II:			
11:20	Break			
11:30	Keynote III:			
12:10	Keynote IV:			
1:00	Global Business Management II	E-Business/E-Service	Information Systems	Logistics and Transportation
3:00	Global Business Management III	Occupational Safety and Health	Quality Control and Reliability	Business Analytics
5:00	Global Business Education Panel	Facilities Planning and Layout	Business Analytics	Disruptive Technologies
6:30	Environmental Engineering	Waste Management	Work Design, Measurement	Occupational Safety Health
8:00 – 10:00 pm, Thursday, July 11 - Conference Awards Ceremony				

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