



5th NA International Conference on Industrial Engineering and Operations Management
August 9-11, 2020, Detroit, MI, USA
Hybrid Mode: Virtual + Onsite
 Fully Virtual based on the situation



The 5th North American Industrial Engineering and Operations Management Conference

Detroit, Michigan, USA, August 9-11, 2020

Hybrid Mode: Virtual/Online and Onsite (Fully Virtual based on COVID-19 Situation)

Website: <http://www.ieomsociety.org/detroit2020/>

IEOM Society International is organizing the 5th North American Industrial Engineering and Operations Management Conference in Detroit, Michigan, USA during August 11-13, 2020. Conference is planned with hybrid mode (virtual + Onsite) due to current COVID-19 global outbreak. Based on the situation, it could be fully online. 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 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, 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**.*

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

Artificial Intelligence
 Automation and Control
 Business Management
 Case Studies
 Computers and Computing
 Construction Management
 Data Analytics and Big Data
 Decision Sciences
 Defense Management Science
 Design and Analysis
 E-Business and E-Commerce
 Energy
 Engineering Economy
 Engineering Education
 Engineering Management
 Entrepreneurship and Innovation
 Facilities Planning and Management
 Financial Engineering
 Healthcare Systems
 Human Factors and Ergonomics
 Industrial Management
 Information Technology/Information Systems
 Inventory Management
 Lean and Six Sigma

Logistics Management
 Material Flow Cost Accounting (MFCA)
 Modeling and Simulation
 Occupational Safety and Health (OSH)
 Operations Management
 Operations Research
 Product Design and Development
 Product Lifecycle Management
 Production Planning and Management
 Project Management / Program Management
 Quality Control and Management
 Reliability and Maintenance
 Sensors and Sensing Systems
 Service Systems and Service Management
 Smart Mobility
 Software Testing and Quality Assurance
 Statistical Process Control
 Statistics and Empirical Research
 Supply Chain Management
 Sustainability and Green Systems
 Sustainable Manufacturing
 Sustainable Production and Quality Management
 Systems Dynamics
 Systems Engineering

Technology Management
 Total Quality Management
 Transportation and Traffic
 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, IndSol 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
 Simulation Competition
 Lean Six Sigma Competition
 Logistic Supply Chain Competition

Conference Chairs:

Dr. Muhammad Sohail Ahmed, Professor, Engineering Management, School of Engineering, Eastern Michigan University, Ypsilanti, MI, USA
Dr. Ahad Ali, Associate Professor and Director of Industrial Engineering Program, Lawrence Technological University, Southfield, MI, USA
Dr. Leslie Monplaisir, Professor and Chair, Department of Industrial and Manufacturing Engineering, Wayne State University, Detroit, MI, USA
Dr. Wilkistar Otieno, Associate Professor and Chair, Industrial & Manufacturing Engineering, University of Wisconsin-Milwaukee, USA

Industry Chairs

Steven Sibrel, Quality Manager, Harman / Becker, Novi, Michigan, USA and Professional Development Chair & Past Chair-ASQ Greater Detroit
Dr. Saso Krstovski, Lean Manufacturing Coach/Six Sigma Master Black Belt, Van Dyke Transmission Plant, Ford Motor Company, MI, USA

Sponsors and Partners

