



# The 5th North American Industrial Engineering and Operations Management Conference

Detroit, Michigan, USA, August 10 - 14, 2020

Mode: **Virtual / Online using Zoom**

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 10-14, 2020. Conference is planned with VIRTUAL mode due to current COVID-19 global pandemic. 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, 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)

### 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

