



# The Seventh North American IEOM Orlando Conference

June 12-14, 2022, Orlando, Florida, USA

Venue: Holiday Inn & Suites Across from Universal Orlando

Host: Florida Polytechnic University

<http://www.ieomsociety.org/orlando2022/>

**Theme - Industrial Engineering, Operations Management and Data Science for Industry Innovation and Emerging Trends**

The IEOM Society is organizing the 7<sup>th</sup> North American Conference on Industrial Engineering and Operations Management during June 12-14, 2022, in Orlando, Florida, USA. The host is Florida Polytechnic University. The conference provides a forum for academics, researchers and practitioners to exchange ideas and recent developments in the field of industrial engineering, systems engineering, service engineering, manufacturing engineering, quality and reliability reengineering, operations research, engineering management, operations management and operations excellence. The event will advance theory and practice by fostering networking, collaboration and joint effort among the conference participants. Proceeding papers (double peer review) will be indexed in SCOPUS.

IEOM Society International, a 501(c)(3) nonprofit organization, is a global 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), KL (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), Harare (2020), Singapore (2021), Sao Paulo (2021), Haiti (2021), Harbin (2021), Bangalore (2021), Surakarta (2021) and Monterrey (2021).

The conference will cover the following topics but not limited to:

Artificial Intelligence	E-Manufacturing	Innovation	Quality
Automation and Control	Energy	Inventory Management	Reliability
Business Management	Energy Efficiency	IoT	Service Systems and Management
Biomedical Systems	Engineering Education	Lean	Six Sigma
Case Studies	Engineering Management	Logistics	Smart Mobility
Construction Management	Entrepreneurship	Maintenance Services	Supply Chain
Data Analytics / Big Data	Environmental Services	Manufacturing	Sustainability
Decision Sciences	Financial Service Management	Modeling and Simulation	Systems Dynamics
Defense	Healthcare Operations & Services	Operations Management	Systems Engineering
Contracting	Human Factors and Ergonomics	Operations Research	Technology Management
Cybersecurity	Industrial Services	Product Lifecycle Management	Transportation and Traffic
Design and Analysis	Industry Practices and Solutions	Production Planning and Control	Work Design and ISO
E-Business/E-Service	IT / IS / iCloud	Project Management	User Experience (UX)

**Special Tracks:** Industry 4.0, Global Supply Chain and Logistics, Global Engineering Education, Industry Solutions, Women in Industry and Academia

**Competitions:** Award Certificates will be provided for 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> place winners for each category.

Undergraduate Student Paper Competition	Undergraduate Research Competition	Human Factors and Ergonomics Competition
Graduate Student Paper Competition	High School STEM Competition	Lean Six Sigma Competition
Doctoral Dissertation Competition	Sr. Capstone Design Project Competition	Supply Chain and Logistics Competition
Master Thesis Competition	Simulation Competition	Poster Competitions

**Conference Chairs:**

Dr. Shahram Taj, Chair and Professor, Department of Data Science & Business Analytics, Department of Computer Science, Florida Polytechnic University, USA  
 Dr. Ahmad Elshennawy, Professor, Department of Industrial Engineering and Management Systems, University of Central Florida, USA  
 Dr. Ahmad Ali, Associate Professor and Director of Industrial Engineering Program, Lawrence Technological University, USA  
 Dr. Reinaldo Sanchez-Arias, Assistant Professor and Assistant Chair of the Data Science and Business Analytics Department, Florida Polytechnic University, USA  
 Dr. Doga Demirel, Assistant Professor and Assistant Chair of the Computer Science Department at Florida Polytechnic University, USA

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