



The Sixth North American Conference on Industrial Engineering and Operations Management

Monterrey, Mexico, November 3-5, 2021 – Online + Onsite

Host: University of Monterrey (UEM)

<http://www.ieomsociety.org/monterrey2020/>

Theme: Operations Excellence in the Industry 4.0 Era

The IEOM Society is organizing the Fifth North American International Conference on Industrial Engineering and Operations Management during November 3-5, 2021 in Monterrey, Mexico. Host is 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 and EBSCO.

IEOM Society 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 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 (2020) and Sao Paulo (2020).

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

Artificial Intelligence	E-Manufacturing	Inventory Management	Quality
Automation and Control	Energy	IoT	Reliability
Automotive Manufacturing	Energy Efficiency	Lean	Service Systems and Management
Systems	Engineering Education	Logistics	Six Sigma
Biomedical Systems and	Engineering Management	Maintenance Services	Smart Mobility and Smart Cities
Biomedical Devices	Entrepreneurship	Manufacturing	Supply Chain Management
Business Management	Environmental Engineering	Material Engineering	Sustainability
Case Studies	Systems	Mechanical Design	Systems Dynamics
Construction Management	Financial Service Management	Modeling and Simulation	Systems Engineering
Cyber Security	Healthcare Operations and	Operations Management	Technology Management
Data Analytics / Big Data	Services	Operations Research	Transportation and Traffic
Decision Sciences	Human Factors and Ergonomics	Product Lifecycle Management	User Experiences (UX)
Defense	Industrial Services	(PLM)	Waste
Design and Analysis	Industry Best Practices and	Production Engineering	Work Design, Measurement and
Digital Transformation of Business	Solutions	Production Planning and	ISO
Models	IT / IS / iCloud	Management	
E-Business/E-Service	Innovation	Project Management	

Special Tracks

Technology Management	Industry 4.0	Smart Mobility
Global Engineering Education	Industry Solutions	Digital Transformation of Business Models

Panels

Global Engineering Education	Lean Six Sigma	Women in Industry and Academia (WIIA)
Industry 4.0	Supply Chain and Logistics	Diversity and Inclusion Panel sponsored by Ford Motor Company

Competitions: Trophies and Award Certificates will be provided for 1st, 2nd & 3rd place winners for each category.

Undergraduate Student Paper Competition	Undergraduate STEM Research Competition	Simulation Competition
Graduate Student Paper Competition	High School STEM Competition	Lean Six Sigma Competition
Doctoral and MS Thesis Competition	Senior Design Project Competition	Supply Chain and Logistics Competition

Honorary Chairs

- Dr. Jose Benito Flores-Juarez, Dean of Engineering and Technologies School, University of Monterrey, México
- Dr. Bernardo Villarreal Celstino, Engineering Department, University of Monterrey, México
- Dr. Luis Alberto Villarreal Villareal, Director of Business and Accounting School, Autonomous University of Nuevo Leon, Mexico
- Dr. Ricardo Ambrocio Ramírez-Mendoza, Director of Research Department, Tecnológico de Monterrey

Conference Chairs

- Dr. Luz María Valdez de la Rosa, Engineering Department, University of Monterrey, México
- Dr. Edgar M. A. Granda. Director of Masters in Engineering Management. University of Monterrey, Mexico
- Dr. Jenny Díaz, Engineering Department, University of Monterrey, México
- Dr. Ahad Ali, Associate Professor and Director of IE Programs, Lawrence Technological University, Michigan, USA



Technical Chairs

- M.Sc. Karol Villarreal Zambrano, Engineering Department, UDEM
- Dr. Fernando González Aleu, Engineering Department, UDEM
- Dr. Teresa Verduzco, Engineering Department, UDEM
- Dr. Mónica Blanco, Graduate Center, Business and Accounting School, Autonomous University of Nuevo León, México
- Dr. Jorge de Jesús Lozoya-Santos, Research Department, Tecnológico de Monterrey
- Dr. David Güemes-Castorena, Research Department, Tecnológico de Monterrey

Technology Management Chairs

- Dr. M. Affan Badar, Professor, Applied Engineering and Technology Management Dept., Indiana State University, Terre Haute
- Dr. A. Mehran Shahhosseini, Professor and Director of the PhD program in Technology Management, Applied Engineering and Technology Management Department, Indiana State University, Terre Haute, Indiana

Sponsors and Partners



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