



Fifth NA IEOM Monterrey Conference

Monterrey, Mexico, September 30 - October 2, 2020

Venue: Cintermex Convention Center

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

Theme: **Operations Excellence in the Industry 4.0 Era**

Host: University of Monterrey

Organized by: University of Monterrey and IEOM Society

"The IEOM Society International is now jointly organizing with the University of Monterrey an International Conference on Industrial Engineering and Operations Management in conjunction with the **Engineering Forum** of the UDEM School of Engineering and Technologies."

The IEOM Society is organizing the Fifth North American International Conference on Industrial Engineering and Operations Management during September 30 - October 2, 2020 in Monterrey, Mexico. 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 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) and Riyadh (2019).

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

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

Special Tracks: **Industry 4.0** Global Engineering Education **Smart Mobility** Industry Solutions **Digital Transformation of Business Models**

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

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

Conference Chairs:

- Dr. Bernaro Villarreal Celstino, Engineering Department, University of Monterrey, México
 Dr. Ing. Luz María Valdez de la Rosa, Engineering Department, University of Monterrey, México
 Ing. Jacobo Tijerina Aguilera, Director of Extension, Consulting and Research Division, University of Monterrey, México
 Dr. Ahad Ali, Lawrence Technological University, Michigan, USA

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