

# Welcome to the 14<sup>th</sup> Annual International Conference on Industrial Engineering and Operations Management, Dubai, UAE

## Dear Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the 14th Annual **International Conference on Industrial Engineering and Operations Management**, February 11-14, 2024, hosted by Khalifa University. The Venue is Hyatt Regency in Dubai. This unique international conference provides a forum for academics, researchers, and practitioners from many industries to exchange ideas and share recent developments in the fields of industrial engineering and operations management. This diverse international event provides an opportunity to collaborate and advance the theory and practice of major trends in industrial engineering and operations management. There were more than 600 papers/abstracts submitted from 53 countries. After a thorough peer-review process, more than 350 have been accepted for presentation and publication. The program includes many cutting-edge topics of industrial engineering and operations management.

This conference will address many of the issues concerning continuous improvement for quality and service. Our keynote speakers will address some of these issues:

1. Dr. Dima Jamali, Vice President of Academic Affairs and Dean of the School of Management, Canadian University in Dubai
2. Prof. Jürgen H. Lenz, Research Professor, Augsburg Technical University of Applied Science, Nördlingen, Bavaria, Germany
3. Ayman Al Issa, Industrial Cybersecurity Lead and Senior Expert, McKinsey & Company, Abu Dhabi, United Arab Emirates
4. Amer Kakish, Chief Executive Officer, Ittihad International Investment LLC, Abu Dhabi, UAE
5. Dr. Farouk Yalaoui, Senior Director (Vice President) for Research, Full Professor, University of Technology of Troyes (UTT), Troyes, France
6. Javed Cheema, Co-Founder and Partner, MC2quare Ventures, LLC, Michigan, USA
7. Dr. Andrei Sleptchenko, Associate Professor, Department of Industrial and Systems Engineering, Management Science and Engineering, Khalifa University, Abu Dhabi, UAE
8. Dr. Shahram Taj, Chair and Professor, Department of Data Science & Business Analytics and Chair, Department of Computer Science, Florida Polytechnic University, Lakeland, Florida, USA
9. Dr. Oliver Elbracht, Managing Director Siemens Advanta Middle East, Dubai, United Arab Emirates
10. Dr. Muthu Mathirajan, Chief Research Scientist, Department of Management Studies, Indian Institute of Science (IISc), Bangalore, India, National President of Operational Research Society of India, 2023-2024
11. Dr. Hany Moustapha, Professor and CEO, SDG Innovation Network, University of Québec, Siemens' Chair on Industry 5.0 Technology Integration, Pratt & Whitney Canada Chair on Propulsion System & Sr. Research Fellow, Pratt & Whitney Canada
12. Dr. Albertus Retnanto, Ph.D., Program Chair Petroleum Engineering, Texas A&M University at Qatar

The conference has plenaries addressing Global Engineering Education, Global Industry Solutions, Global Supply Chain and Logistics, Global Business Management and Project Management, and Global Lean Six Sigma and Operations Excellence. Additionally, it includes four panel sessions covering Women in Industry and Academia, Industrial Engineering and Operations Management Education and Curriculum Improvement, Healthcare Improvement, and a Diversity & Inclusion Panel sponsored by Ford Motor Company. The conference further enriches the experience with four workshops focused on enhancing student learning and assessment, delving into Six Sigma methodologies, exploring Toyota KATA practices, and delving into project management strategies. These diverse sessions and workshops collectively contribute significant value to attendees, fostering knowledge exchange and professional development.

The IEOM Society extends its appreciation to the conference chair and program chair from Khalifa University, Dr. Mohammed Omar and Dr. Ali ElKamel, respectively. The IEOM Society also expresses its sincere thanks to our sponsors, university partners, organizational collaborators, exhibitors, authors, reviewers, keynote speakers, panelists, track chairs, advisors, the local committee, and the numerous volunteers whose dedicated contributions of time and talent have played a pivotal role in ensuring the resounding success of this distinctive international conference.

Wishing you a wonderful and enriching experience at the conference!



**Dr. Mohammed Omar**  
Conference Chair  
Professor and Chair, Department of Industrial and Systems Engineering, Khalifa University  
Abu Dhabi, UAE



**Dr. Ahad Ali**  
Conference Co-Chair  
Associate Professor and Director of IE Program, Lawrence Tech Univ., USA  
Executive Director, IEOM



**Dr. Ali ElKamel**  
Conference Program Chair  
Professor, Chemical Engineering Department  
Khalifa University  
Abu Dhabi, UAE



**Prof. Don Reimer**  
Program Co-Chair  
Chief Operating Officer  
IEOM Society International  
Southfield, Michigan, USA