

# Welcome to the First World Congress on Industrial Engineering and Operations Management in Detroit, Michigan, USA

## To All Conference Attendees:

On behalf of the IEOM Society International, we welcome you to the **First Industrial Engineering and Operations Management World Congress** to be held at Lawrence Technological University, Southfield, Michigan on October 9-11, 2024. The theme of the conference is “Advance Manufacturing Technologies and Digitization including vehicle electrification and smart mobility”. The conference aims to provide a forum for academics, researchers, and practitioners to exchange ideas and recent developments in the field of advanced manufacturing technologies, manufacturing digitalization, artificial intelligence in manufacturing, smart manufacturing, vehicle electrification, smart mobility, industrial automation and manufacturing operations excellence. The conference is also expected to foster networking, collaboration, and joint effort among the conference participants to advance the theory and practice as well as to identify major trends in advanced and cutting-edge manufacturing technologies, digitalization, vehicle electrification, smart mobility, automotive supply chain, smart manufacturing, factory floor automation, robotics integration in manufacturing, PLC, digital twin, etc.

This conference will address many of the issues concerning the advanced manufacturing technologies and digitalization. The IEOM Society is delighted to have the following keynote speakers at the conference:

1. Nick Skope, Vice President –Vendor Relations and New Business Development, Electro-Matic, a SunSource Company, Farmington Hills, Michigan, USA
2. Dr. Donna Bell, Chief Executive Officer, Dr. Donna Bell Consulting, Past Executive Vice President, Engineering, Product Creation, & Procurement, Lordstown Motors Corporation, Past Vice President, Ford Credit and Past Director, AV & Mobility Strategy, Ford Motor Company, Michigan, United States
3. Tony Tyll, President and COO, Belmont Equipment & Technologies, Madison Heights, Michigan, USA
4. Mr. Greg MacLean, Sr. Vice President, Huf North America, Farmington Hills, Michigan, USA
5. Dr. Sebastian Wicklein, Director, Business Development and R&D Coordination, Fraunhofer USA Inc., Plymouth, MI, USA
6. Vijaya Neela, Founder, President and CEO, aThingz, Southfield, Michigan
7. Sander van Lokven, General Manager – Districon Solutions North America LLC and North America Lead – Royal HaskoningDHV, Chicago, Illinois
8. Lisa Sheth, Operations Manager for Electric Vehicle, Digital, & Design, Ford Motor Company, Dearborn, Michigan, USA
9. Dr. Shannon Dare, Operations Manager for Electric Vehicle, Digital, & Design, Ford Motor Company, Dearborn, Michigan
10. Chenyuan Dummuh, Technology Director, Optum – United Healthcare Inc., California, USA
11. Mohammad Islam, Associate Director, Optum – United Healthcare Inc., New Jersey, United States of America
12. Jeffrey A. Abell, Ph.D., FSME, PE, Chief Scientist for Global Manufacturing and Director of Manufacturing Systems Research, General Motors, Sterling Heights, Michigan, United States
13. John Allen, TNSFT Partner, Crossover Solutions, Livonia, Michigan
14. Sylvester Hester, President and CEO, LM Manufacturing, Detroit, Michigan

The IEOM Society is an international professional organization that operates in 151 countries. We are a student-focused organization with 255 student chapters in 55 countries. We are delighted to hold the First World Congress in Detroit at LTU campus. Participation in the conference includes 20 countries from around the world from industry and academia. Students will participate in various competitions. Four workshops are arranged including GD&T, PPAP, PLC and AI-ML. Plenary and panel sessions are vehicle electrification, AI in Manufacturing, smart mobility and Advanced Manufacturing Technologies and Digitalization. The IEOM Society and its Global Council greatly appreciate the support of our conference Chair, Nick Skope.

We would also like to thank sponsors, university partners, organization partners, authors, reviewers, keynote speakers, panelists, track chairs, advisors, the committee, and the many volunteers who have given so much of their time and talent to make this unique international conference on advanced manufacturing and vehicle electrification an overwhelming success.

Our very best wishes to all of you for a successful and enjoyable congress in Detroit.



**Nick Skope**  
Conference Chair  
Vice President –Vendor Relations and  
New Business Development  
Electro-Matic, a SunSource Company  
Farmington Hills, Michigan



**Dr. Ahad Ali**  
Conference Co-Chair  
Associate Professor and  
Director of IE Program  
Lawrence Technological University  
Executive Director of IEOM Society



**Steve Sibrel**  
Conference Co-Chair  
Senior Supplier Quality Management  
Harman International, Michigan  
Fellow, IEOM Society International



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