

# Welcome to the International Conference on Smart Mobility and Vehicle Electrification, Detroit, Michigan, USA, October 10-12, 2023

## To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the **International Conference on Smart Mobility and Vehicle Electrification** at Lawrence Technological University, Southfield, Michigan during October 10-12, 2023. Local Partners are ASQ Greater Detroit, Automation Alley, Eastern Michigan University, Engineering Society of Detroit (ESD), Kettering University, Lawrence Technological University and Wayne State University. The conference aims to provide a forum for academics, researchers and practitioners to exchange ideas and recent developments in the field of smart mobility and vehicle electrification. 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 EV.

This conference will address many of the issues concerning the vehicle electrification, smart mobility and charging infrastructure. IEOM Society is delighted to have the following keynote speakers at the Smart Mobility and EV Conference:

1. Prof. Tarek M. Sobh, Ph.D., P.E., President, Lawrence Technological University
2. Dr. Donna L. Bell, Executive Vice President – Product Creation, Engineering, and Supply Chain, Lordstown Motors
3. John Hawkins, Vice President, North America, Electrified Powertrain Technology, ZF Group, Farmington Hills, Michigan
4. Dr. Jorge Arinez, Lab Group Manager, Technical Fellow for Manufacturing Systems and Controls Research, GM Global Research and Development, Warren, Michigan, USA
5. Ankil Shah, Vice President, Materials R&D, Toyota Motor Corporation
6. Dr. Manzoor Hussain, Registrar and Professor of ME, Jawaharlal Nehru Technological University (JNTU), Hyderabad
7. Charon Morgan, Vice President of Engineering, Autoliv Americas, Auburn Hills, Michigan, USA
8. Dr. Manuel Montoya, General Director of the Automotive Cluster of Nuevo León (CLAUT), Monterrey, Mexico
9. Firasat Siddiqui, Director Product Strategy and Projects, Harman International, Novi, Michigan, United States
10. Frederic Flory, RO Director for Powertrain Electrification Mobility for North America, Valeo, Auburn Hills, Michigan
11. Snajaka Wirasingha, R&D Director-Americas, Electrified Mobility, Valeo, Auburn Hills, Michigan
12. Lokesh Setti, Flexible Vehicle Architecture Supervisor, Ford Motor Company, Dearborn, Michigan, United States
13. Alan Amici, President and CEO, Center for Automotive Research (CAR), Ann Arbor, Michigan, USA
14. Dr. Steven Marshall, Valeo, Auburn Hills, Michigan
15. Akim Khalef, Sustainable Feedstock & Recycling, FORVIA Faurecia, Auburn Hills, Michigan, United States
16. Dr. Samira Keivanpour, Department of Mathematical and Industrial Engineering, Polytechnique Montréal, Canada
17. Dr. Mario Chauca, Research Professor of Academic Excellence at Ricardo Palma University, Lima, Peru

At this conference, IEOM Society will hold three panel sessions on EV, Smart Mobility and Charging Infrastructure as well as Diversity & Inclusion Panel sponsored by Ford Motor Company. Four workshops are arranged including: Geometric Dimensioning and Tolerancing (GD&T), Production Part Approval Process (PPAP), Integrated Problem Solving Approach – Design Thinking, DFSS, Shainin Red X, Six Sigma Workshop and Computer Aided Engineering.

The IEOM Society would like to express our deep appreciation to our sponsors, university partners, organization partners, authors, reviewers, keynote speakers, panelists, the local committee, and the many volunteers who have given so much of their time and talent to make this unique IEOM Smart Mobility and EV conference an overwhelming success.

We would like to extend a warm welcome to all participants in Detroit, Michigan. You can join tours of The Henry Ford – Museum, Greenfield Village & Rouge Factory, LTU Labs and Franklin Cidel Mill. Our very best wishes to all of you for great learning and memorable experiences.



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



**Dr. Leslie Monplaisir**  
Conference Co-Chair  
Associate Dean for Academic and Student  
Affairs and Professor, Department of Industrial  
and Manufacturing Engineering  
Wayne State University, Detroit



**Dr. Chan-Jin (CJ) Chung**  
Conference Co-Chair  
Professor of Computer Science and  
Founder of Robofest, Math + Computer  
Science Department, Lawrence Tech  
University



**Steve Sibrel**  
Conference Co-Chair  
Senior Supplier Quality Management,  
Harman International  
Novi, Michigan



**Dr. Saso Krstovski, MBB**  
Conference Co-Chair  
Past Automotive University Programs  
Manager  
Past Automotive Lean Manufacturing  
Manager / Six Sigma Master Black Belt



**Kush Shah**  
Program Co-Chair  
Chief Executive Officer, Global Organizational  
Excellence Solutions LLC (GOES)  
GM Fellow and ASQ Fellow  
Michigan, USA



**Professor Don Reimer**  
Program Co-Chair  
Chief Operating Officer, IEOM Society  
Adjunct Professor at Lawrence  
Technological University  
Southfield, Michigan, USA



**Dr. Muhammad Sohail Ahmed**  
Program Co-Chair  
Professor of Engineering Management,  
School of Engineering  
Eastern Michigan University  
Ypsilanti, Michigan, USA