

Welcome to the 9th North American Conference on Industrial Engineering and Operations Management in Washington, DC, USA

To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the 9th North American **International Conference on Industrial Engineering and Operations Management**, June 4-6, 2024. It is hosted by University of the District of Columbia. Venue is UDC Student Center Building, 4200 Connecticut Ave NW. 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 300 papers/abstracts submitted from 31 countries. After a thorough peer-review process, more than 210 have been accepted for presentation and publication. The program includes many cutting-edge topics in industrial engineering and operations management.

This conference will address many of the issues concerning the continuous improvement of quality and service. The IEOM Society is delighted to have the following keynote speakers at the 9th North American Conference:

1. Eric L. Moore, Ph.D., Deputy to the Commanding General, U.S. Army Combat Capabilities Development Command
2. Javad Mokhbery, CEO, FUTEK Advanced Sensor Technology, Inc., Irvine, California, United States
3. Dr. Vivek Dwivedi, Associate Division Chief for the Mechanical Systems Division (MSD), NASA Goddard Space Flight Center (GSFC)
4. Mr. Matthew J. Stepura, Systems Engineering and Test Department Head, Naval Air Systems Command
5. Maurice D. Edington, Ph.D., President, University of the District of Columbia
6. Jonathan Conrad, Principle AI Researcher – Amazon, Reston, Virginia
7. Dr. Christopher Cox, P.E., Faculty, Construction Management, College of Engineering and Technology, Western Carolina University, Cullowhee, North Carolina, USA
8. Rachel R. Hughes, MBA, Department Manager, Acquisition Strategy and Management, MITRE Corporation
9. Khershed P. Cooper, Ph.D., FASM, FSME, Program Director, Advanced Manufacturing Program, Division of Civil, Mechanical and Manufacturing Innovation (CMMI), National Science Foundation, Alexandria, VA, USA
10. Robert J. Wenier, Global Head of Cloud and Infrastructure, AstraZeneca Pharmaceuticals LP, Gaithersburg, Maryland
11. Victor R. McCrary, PhD, Vice President for Research, Office of University Research and Professor of Chemistry, The University of the District of Columbia and Vice Chair, National Science Board
12. Dr. Wesley L. Harris, Charles Stark Draper Professor of Aeronautics and Astronautics, Massachusetts Institute of Technology (MIT) and Vice President of National Academy of Engineering

At this conference, the IEOM Society will hold its various plenary sessions on global engineering education, artificial intelligence and machine learning, supply chain management and Industry 4.0. It will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities and will showcase industry best practices on IoT, AI, data analytics, supply chain and logistics. Three panel sessions have been planned: Intelligent Maintenance and Reliability, Global Engineering Education, Women in Industry and Academia and Diversity & Inclusion sponsored by Ford Motor Company.

The IEOM Society would like to express our deep appreciation to our sponsors, university partners, organization partners, exhibitors, authors, reviewers, keynote speakers, panelists, track chairs, advisors, the local committee, and the many volunteers who have given so much of their time and talent to make this unique international conference an overwhelming success. There are many sightseeing sites in the Washington, DC area and nearby.

We would like to thank National Science Foundation for providing student travel support for minority and under representative students. The travel support is awarded to Lawrence Technological University.

Our conference host, University of the District of Columbia would like to extend a warm welcome to all participants.

Our very best wishes to all of you for a successful and memorable event in Washington, DC.



Professor Devdas Shetty
Conference Chair
Dean

College of Engineering and Applied Sciences
University of the District of Columbia
4200 Connecticut Ave NW
Washington, DC 20008, USA



Dr. Ahad Ali
Conference Co-Chair

Associate Professor and
Director of Industrial Engineering Program
Lawrence Technological University
Southfield, Michigan, USA
Executive Director of IEOM



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