

# Welcome to the 5<sup>th</sup> International Conference on Industrial & Mechanical Engineering and Operations Management

## To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the 5th International Conference on Industrial & Mechanical Engineering and Operations Management (IMEOM 2022), Dec 26-28, 2022 to be held at KIB, Farmgate. Host is RUET and it is supported by IEOM Bangladesh Chapter. 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 25 countries. After a thorough peer-review process, more than 200 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:

Prof. Dr. M. Anwar Hossain, Former VC of IUT, Former VC of AUST and Former Professor of ME, BUET  
Abdullah Talha, Managing Director of Noman Group of Industries & Talha Group, Dhaka, Bangladesh  
Prof. Dr. Imtiaz Ahmed Choudhury, Professor of Mechanical and Production Engineering, Ahsanullah University of Science and Technology, Dhaka, Bangladesh  
Dr. Mohammad Uddin, Senior Lecturer at UniSA STEM, University of South Australia, Adelaide, Australia  
Dr. Ahm Shamsuzzoha, Faculty, University of Vaasa, Finland and Head of CoVE for Green Innovation, Vaasa, Finland  
Dr. Md Nazrul Islam, PhD, Michigan State University, USA, Associate Editor, IEOM Society International, Toronto, Canada  
Mohammad Maksud Haq, Manager, Stamping Quality, Metrology Center, Stellantis, Warren, Michigan, USA  
Dr. Kamrul Ahsan, Associate Professor, Dept. of Supply Chain and Logistics Management, RMIT University, Melbourne, Australia  
Engr. Md. Mahmudur Rahman Manna, Chief Executive Officer, Maeashah Group, Dhaka, Bangladesh  
Ferdous Sarwar, PhD, Professor and Head, Department of Industrial & Production Engineering, Bangladesh University of Engineering and Technology, Dhaka 1000, Bangladesh  
Professor Dr. Zamberi Bin Jamaludin, Professor, Faculty of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka (UTeM), Durian Tunggal, Malacca, Malaysia

At this conference, the IEOM Society will hold its 36<sup>th</sup> Global Engineering Education session. It will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. The 35<sup>th</sup> IEOM Industry Solutions will showcase and feature major topics including IoT, AI, Data Analytics, iCloud, Cyber security, Automation, Digital Manufacturing, MSV, and industry best practices. The 15<sup>th</sup> IEOM Global Supply Chain and Logistics will address the global logistic challenges due to the pandemic. The 6<sup>th</sup> IEOM Global Business Management will focus on business operations improvement. Panel sessions have been planned: Industry 4.0, Lean Six Sigma, RMG Quality & Safety and Diversity & Inclusion sponsored by Ford Motor Company.

The IEOM Society would like to express our deep appreciation to our host, RUET, partner universities (AUST, BIM, KU and BUTEX), corporate partners and sponsors, global university partners, organization partners, authors, reviewers, keynote speakers, plenaries, all distinguished speakers, panelists, 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.

We hope you will have a wonderful experience at the conference.



**Dr. Md. Mosharraf Hossain**  
Conference Chair  
Head of IPE, Rajshahi University  
of Engineering & Technology  
(RUET), Bangladesh



**Dr. Ahad Ali**  
Conference Co-Chair  
Executive Director of IEOM  
Society and Associate Professor  
of LUT, MI, USA



**Professor Don Reimer**  
Program Chair  
Lawrence Technological University,  
Southfield, Michigan, USA



**Dr. Nazrul Islam, Ph.D.**  
Program Co-Chair  
Ph.D. Michigan State University  
Associate Editor, IEOM Society



**Prof. Dr. M Sarwar Morshed**  
Head, MPE Dept.  
Ahsanullah University of Science  
and Technology (AUST)  
Dhaka, Bangladesh



**Prof. Dr. Mohammad Iqbal**  
Professor, IPE Dept.  
Shahjalal University of Science  
and Technology (SUST)  
Sylhet, Bangladesh



**Dr. A.R.M. Harunur Rashid**  
Conference Honorary Secretary  
Associate Professor, MPE Dept.  
Islamic University of Technology (IUT)  
Dhaka, Bangladesh



**Prof Dr Md. Haider Ali Biswas**  
Conference Hon. Treasurer  
Professor, Mathematics Discipline  
Khulna University  
Khulna, Bangladesh