

Welcome to the 7th Bangladeshi International Conference on Industrial Engineering and Operations Management, Dhaka 2024 at AIUB

On behalf of the IEOM Society International, we would like to welcome you to the 7th **Bangladeshi International Conference on Industrial Engineering and Operations Management, December 21-22, 2024.** It is organized by the **IEOM Society International**. The host is American International University-Bangladesh. Venue is at AIUB campus. This unique international conference provides a forum for academics, researchers, and practitioners from many industries to exchange ideas and share recent developments in 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. More than 250 papers/abstracts were submitted from 15 countries. The program includes many cutting-edge topics in industrial engineering and operations management.

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

1. Prof. Dr. Md. Abdur Rahman, Pro VC, American International University-Bangladesh, Dhaka, Bangladesh
2. Dr. Quamrul Mazumder, Professor of Mechanical Engineering, Department of Engineering, College of Innovation and Technology, The University of Michigan-Flint, USA
3. Md Touhidur Rahman Rad, Chief Business Officer, Walton Digi-Tech Industries Ltd., Dhaka, Bangladesh
4. Dr. Matiar Howlader, Associate Professor, Dept. of Electrical & Computer Engineering, McMaster University, Hamilton, Canada
5. Professor Dr Mohammad Sarwar Morshed, Professor, Department of Mechanical and Production Engineering (MPE), Ahsanullah University of Science and Technology (AUST), Tejgaon I/A, Dhaka – 1208, Bangladesh
6. Prof. Md. Mamun Habib, Ph.D., Professor and Head, Department of Management, School of Business & Entrepreneurship, Independent University, Bangladesh
7. Md Ashikul Alam Khan, PhD, FHEA, Program Director, MSc Management Suite, Graduate School of Management, Birmingham City University, Birmingham, UK
8. Anwar Haque, Ph.D., Associate Professor, Department of Aerospace Engineering & Mechanics, The University of Alabama, Tuscaloosa, Alabama, USA
9. Rupali Biswas, Additional Secretary, Productivity Improvement Cell (PIC), BKMEA (Bangladesh Knitwear Manufacturers & Exporters Association), Dhaka, Bangladesh
10. Ferdous Sarwar, PhD, Professor, Department of Industrial & Production Engineering, Bangladesh University of Engineering and Technology, Dhaka 1000, Bangladesh
11. Dr. Latifur Khan, Prof. of Computer Science, Director Big Data Analytics & Management Lab, University of Texas, Dallas, USA
12. Khaja Moyeen Uddin, General Manager (Plant), Metrocem Ispat Limited, Gazipur, Bangladesh
13. Prof. Dr. Mohammad Iqbal, Professor, Department of IPE, Shahjalal University of Science and Technology, Sylhet, Bangladesh
14. Dr. Muhammad Noor E Alam, Associate Professor (in Industrial Engineering, Northeastern University, Boston, MA, USA

The IEOM Society extends its appreciation to AIUB, the conference chairs and committee members. The IEOM Society also expresses its sincere thanks to our sponsors, university partners, corporate partners, organizational collaborators, 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 success of the 2024 IEOM Bangladesh Conference.

Wishing you a wonderful and enriching experience at the conference at AIUB campus!



Dr. Carmen Z. Lamagna
Chief Patron
Member, AIUB Board of Trustees



Prof. Dr. Md. Abdur Rahman
Conference Patron
Pro Vice-Chancellor, AIUB



Prof. Dr. ABM Siddique Hossain
Conference Co-Chair
Dean, FE, AIUB



Prof. Dr. Abdul Mannan
Conference Co-Chair
Associate Dean, FE, AIUB



Dr. Ahad Ali
Conference Co-Chair
Assoc. Prof., Lawrence Tech, USA
CEO, IEOM Society International



Prof. Don Reimer
Program Co-Chair
COO, IEOM Society International



Dr. Md. Saniat Rahman Zishan
Program Co-Chair
Associate Professor &
Director, FE, AIUB



Dr. Md. Ehasanul Haque
Program Co-Chair
Sr. Assistant Professor &
Head, IPE, AIUB