

## OBJECTIVES

The objective of IUT-ICMMPE is to provide a forum for presenting the current research and creative activities in Mechanical, Materials and Production Engineering. This conference provides opportunities for the delegates of different areas to exchange new ideas and applications, share experiences, establish a hub for research relations and find global partners for future collaboration.

## SCOPE

The conference will be attended by a number of leading experts from around the world in the invited keynote lectures and technical sessions spread over 2 days. The areas to be covered in the conference will include but are not limited to:

### Mechanical Engineering

- HVAC and Heat Transfer
- Laminar and Turbulent Flow
- Boundary Layer and Free Surface Flows
- Industrial Fluid Mechanics
- Thermal-Fluids Machinery
- Combustion and Reacting Flows
- Multiphase Flows
- Computational Fluid Dynamics
- Micro and Nano Scale Thermo-Fluid Mechanics
- Experimental Techniques & Measurements
- Energy Conversion and Clean Energy Technology
- New and Renewable Energy Technologies
- Environmental Engineering
- Thermal behavior of Materials processing
- Engineering Education
- Any other related topics

### Materials Engineering

- Metal Matrix Composites
- Ceramics and Ceramic Matrix Composites
- Design, Fabrication and Evaluation of Smart Material
- Dynamic Behavior of Materials and Structures
- Characterization & Testing
- Novel Porous Materials and their Applications
- Polymer and Polymer Matrix Composites
- Biomaterials
- Semiconductor Materials
- Engineering Materials
- Other Materials Related Topics

### Production Engineering

- Surface Engineering
- Modeling, Analysis and Simulation of Manufacturing Processes
- Materials Forming
- Metal cutting processes
- CAD/ CAM/CAE
- Control and Automation
- Non-Conventional machining processes
- Sustainable Manufacturing Technologies
- System Analysis and Industrial Engineering
- Production and Operation Management
- Supply Chain Management
- Manufacturing E-commerce System
- Mechatronics
- Industrial Robotics and Automation
- Engineering Economy
- Ergonomics & Human Factors Engineering
- Quality Control and Management
- Sustainability and Green System
- Technology Management and Innovation
- Industry 4.0
- System Dynamics and Vibration
- Nonlinear Dynamics
- Any other related topics

### Ethics and Technology

- Islam and Science
- Islamic Finance

CALL  
FOR  
PAPERS

1<sup>st</sup> IUT

## International Conference on Mechanical, Materials and Production Engineering (IUT-ICMMPE) 2023

21-22 July, 2023 [Friday - Saturday]  
Dhaka, Bangladesh

[www.mpe.iutoic-dhaka.edu/icmmpe-2023-1/home-page](http://www.mpe.iutoic-dhaka.edu/icmmpe-2023-1/home-page)



Organized by



Department of Mechanical and Production Engineering (MPE)  
Islamic University of Technology (IUT)

Technical Partners



## VENUE

**Islamic University of Technology (IUT)**  
**Board Bazar, Gazipur, Dhaka.**

## TECHNICAL SESSIONS

The contributed papers will be presented in about 20 technical sessions. Most of the sessions will be onsite at IUT campus and there will be a few online sessions. In addition, there will be keynote papers by eminent experts.

## CALL FOR PAPERS

You are invited to submit abstracts and papers from any discipline relating to the Conference topics. Intending authors should first submit an abstract and then a full paper at <https://mpe.iutoic-dhaka.edu/icmmpe-2023-1/home> -page All papers will be double blind peer reviewed. The official language of the Conference is English. All papers will be reviewed by two or three experts from the relevant fields. After a careful reviewing process, all accepted papers that are registered and presented will be published in peer reviewed journals. The conference committee will select the appropriate journal for a paper from its lists of affiliated journals.

## IMPORTANT DATES

Abstract submission due	May 30, 2023
Abstract Acceptance Notification	: Ongoing
Submission of Full Paper	: June 10, 2023
Full paper Acceptance Notification	: June 25, 2023
Final Manuscript Due	: July 05, 2023

## CONFERENCE FEE

The registration fee for participants covers a registration kit, conference proceedings, lunch, tea during the technical sessions and banquet.

Type of Delegate	Virtual Registration Fee	Physical Registration Fee
Local and SAARC Delegate	BDT 6000	BDT 8000
Local and SAARC Delegate (Technical Partners)	BDT 5000	BDT 7000
Foreign Delegate	USD 110	USD 350
Foreign Delegate (Technical Partners)	USD 100	USD 250
Student (Local and SAARC)	BDT 4000	BDT 5000
Student (Technical Partners)	BDT 3000	BDT 4000
Student (Foreign)	USD 100	USD 150
Student (Technical Partners)	USD 80	USD 110

## PAYMENTS

### Local Participants

Account Name: Islamic University of Technology  
Account No. SND- 4018-085407-430  
AB Bank Ltd., Board Bazar Branch,  
Gazipur, Dhaka, Bangladesh  
Tel: 9291800-802  
SWIFT CODE: ABBLBDDHXXX  
Routing Number : 020330226

### International Participants

Account Name: Islamic University of Technology  
FC Account No.: 4004-099724-030  
AB Bank Ltd., Motijheel Corporate Branch  
8, Rajuk Avenue, Dhaka, Bangladesh.  
SWIFT CODE: ABBLBDDH 004  
Routing Number : 020274245



## STEERING COMMITTEE

**Prof. Dr. Mohammad Rafiqul Islam,**  
Vice Chancellor, IUT- Chief Patron

Dr. Omar Jah, Pro Vice Chancellor, IUT - Patron

## ORGANIZING COMMITTEE

### Conference Chairman:

Prof. Dr. Md. Anayet Ullah Patwari, Head, MPE, IUT,  
Conference Hon. Secretary:  
Prof Dr. A.R.M. Harunur Rashid

### Members:

Prof. Dr. Zahid Hossain  
Prof Dr. Shamsuddin Ahmed  
Prof Dr. Md Hamidur Rahman  
Prof Dr. M. Ahsan Habib,  
Prof Dr. Zambari Bin Jamaludin  
Dr. Md. Rezwanul Karim  
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Ms. Sharmin Akter Urmee  
Mr. Mahdi Hafiz Nabil  
Ms. Fatima Tasneem Mohsin  
Mr. Mohammad Muhtasim Mashfy  
Mr. Fahim Tanfeez

## SECRETARIAT

All correspondence should be addressed to:

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