### **Post-Conference Tour**

A sight seeing tour will be arranged around the Sundarban (World's largest Mangrove Forest).

## **International Advisory Committee**

Dr. Ahsan Reza Choudhuri (USA)

Dr. Muhammad Mustafizur Rahman (USA)

Dr. Ahad Ali (USA)

Dr. Mir Abu Haydar (USA)

Dr. Mohammad Habibur Rahman (USA)

Dr. Riaz Uddin Ahmed (USA)

Dr. Akira Umemura (Japan)

Dr. Akio Miyara (Japan)

Dr. Akihide Saimoto (Japan)

Dr. Mizuno Takeshi (Japan) Dr. Masaya Takasaki (Japan)

Dr. Tawhidul Islam Khan (Japan)

Dr. Firoz Alam (Australia)

Dr. Md. Rafiqul Islam (Australia)

Dr. Ahmad Sharifian (Australia)

Dr. Ho-Sung Kim (Australia)

Dr. Mainul Islam (Australia)

Dr. Wenxin Lin (Australia) Dr. Abul Kalam (Australia)

Dr. Mesbahuddin Chowdhury (New Zealand)

Dr. S. M. Sohel Murshed (Portugal)

Dr. Sankar Kumar Som (India)

Dr. Mustafizur Rahman (Malaysia)

Dr. Sabuj Mallik (UK)

# **Local Advisory Committee**

Prof. Dr. Md. Nawsher Ali Moral, Former VC, KUET

Prof. Dr. Naseem Ahmed, Former VC, DUET

Prof. Dr. Sirajul Karim Choudhury, Former VC, RUET Prof. Dr. Mohd. Rafiqul Alam Beg, Former VC, RUET

Prof. Dr. Tarapada Bhowmick, Former VC, NWU

Prof. Dr. Syed Ali Molla, Former Professor, KUET

## **Best Paper Awards**

3 (Three) Best Paper Awards, funded by **Prof. Dr. Mohammad Harunur Rashid,** will be given among the presented papers nominated by the selection committee.

## **Conference Language**

The official language of the conference is English.

## **Full Paper Submission**

The papers should be submitted within 6 (six) A4 size pages containing the names and affiliations of the authors, telephone no., and e-mail, stating the abstract, objectives of the work, methodology, results and discussion. The template is available in the website. The paper should be submitted through online:

https://cmt3.research.microsoft.com/ICMIEE2024

### **Contacts**

### Prof. Dr. Md. Shahidul Islam

Chair, Organizing Committee

Dean, Faculty of Mechanical Engineering

KUET, Khulna-9203, Bangladesh.

Email: shahidulbitk@me.kuet.ac.bd, Phone: +88-02477733175

#### Prof. Dr. Mohammad Ilias Inam

Secretary, Organizing Committee

Department of Mechanical Engineering

KUET, Khulna-9203, Bangladesh.

Email: iliasinam@me.kuet.ac.bd, Phone: 02477733363 Ext. 8400

### Prof. Dr. A. N. M. Mizanur Rahman

Chair, Technical Committee

Department of Mechanical Engineering

KUET, Khulna-9203, Bangladesh.

Email: drmizan@me.kuet.ac.bd, Phone: 02477733363 Ext. 413

### Prof. Dr. Mohammad Sultan Mahmud

Secretary, Technical Committee

KUET, Khulna-9203, Bangladesh.

Email: sultan@me.kuet.ac.bd, Phone: 02477733363 Ext. 441

## **Registration Fee**

Physical Online
Foreign Authors/Participants: US\$ 200 US\$ 100
Local Authors/Participants: BDT 6000 BDT 5000
Foreign Student: US\$ 100 US\$ 50
Local Student: BDT 3000 BDT 2500

Local Accompanying Person: BDT 3000 Foreign Accompanying Person: US\$ 150

### Accommodation

The Organizing committee will arrange accommodations for delegates on request at standard hotels at Khulna City. Courtesy transports will be arranged from hotels to the conference venue. Further information about reservation and charges will be given in the conference website.

# Announcement and Call for Papers

8<sup>th</sup> International Conference on Mechanical, Industrial and Energy Engineering (ICMIEE 2024) (Hybrid Mode)

02-04 January, 2025

(Selected Papers will be published in SciEn Conference Series: Engineering)



# Venue: Khulna University of Engineering & Technology (KUET)



# Organized by:

Faculty of Mechanical Engineering Khulna University of Engineering & Technology (KUET)

www.kuet.ac.bd/icmiee2024

## **Introduction and Objective**

Mechanical and allied engineering have significant contributions in technological advancement. Rapid development in technology can be achieved through continuous research. The faculty of Mechanical Engineering of Khulna University of Engineering & Technology (KUET), Bangladesh is going to organize the 8<sup>th</sup> International Conference on Mechanical, Industrial and Energy Engineering (ICMIEE 2024) on continuation of 2 years interval on 02-04 January 2025 in Khulna, the industrial city of Bangladesh. The main objective of ICMIEE 2024 is to create an effective platform for researchers and technical experts to share their recent ideas, innovations and problem solving techniques in the vast areas of Mechanical and allied Engineering. It will be a great opportunity for both researchers and industrial communities to meet, discuss and share their research outcomes in the field of Mechanical, Industrial, Energy, Leather, Textile, Mechatronics and Chemical Engineering.

### Venue

The venue is at the Khulna University of Engineering & Technology (KUET), Khulna, which is one of the leading technical Universities in Bangladesh. Khulna is situated in southern side of Bangladesh near the only mangrove forest Sundarbans located at the shore of the Bay of Bengal. The green KUET is free from any environmental pollution situated near the Khulna-Dhaka highway. Khulna city is around 200 km south-west of capital city Dhaka and is connected by air, highway and train. It is one of the oldest industrial city of Bangladesh. Khulna is known as the city of Shrimps. The temperature and humidity of Khulna city in the month of January are about 16 - 17°C and 50% respectively.

## **Important Dates**

Full Paper Submission
Acceptance of Paper
Camera Ready Paper Submission
Registration Deadline
Date of Conference
October 06, 2024
October 27, 2024
November 17, 2024
December 15, 2024
January 02-04, 2025

### Conference Mode

The conference will be conducted in both Physical and Online mode.

### Scope

- Mechanical Engineering
  - Aerodynamics
  - o CFD
  - o Composite and Smart Materials
  - o Energy conversion, Storage & Management
  - o Thermo-fluid
  - o Fatigue and Fracture
  - o Fuels and Combustion
  - Maintenance Engineering
  - MEMS and Nanotechnology
  - Noise and Vibration
  - o Refrigeration and Air-conditioning
  - Tribology
- Industrial Engineering and Management
  - CAD/CAM/CIM
  - o Operations and Supply Chain Management
  - Optimization and Ergonomics
- Energy Science and Engineering
  - o Building Energy Conservation
  - o Energy Efficiency Management
  - o Renewable Energy
- Mechatronics Engineering
  - Automation and Robotics
  - Hydraulic and Pneumatic control
- Textile Engineering
  - o Composite an d Functional Textile
  - Dyeing, Finishing and Printing
  - o Sustainable Fashion Design
- Leather Engineering
  - Leather and Footwear Engineering
  - o Leather Products
- Chemical Engineering
  - Advances in Chemical Engineering
  - o Process safety and control
  - Waste-to-Energy
- Related Engineering

## **Chief Patron**

Prof. Dr. Mohammad Mashud Vice-Chancellor, KUET

# **Organizing Committee**

- Prof. Md. Shahidul Islam (Chair)
- Prof. Dr. Mohammad Ilias Inam (Secretary)
- Prof. Dr. Md. Shariful Islam (Joint Secretary)
- Prof. Dr. Md. Kutub Uddin
- Prof. Dr. Khandkar Aftab Hossain
- Prof. Dr. Mihir Ranjan Halder
- Prof. Dr. Mohammad Ariful Islam

- Prof. Md. Golam Kader
- Prof. Dr. Sobahan Mia
- Prof. Dr. Kazi Mostafijur Rahman
- Prof. Dr. Md. Abdul Hasib
- Prof. Dr. Md. Helal-an-Nahiyan
- Prof. Dr. Md. Arifuzzaman
- Prof. Dr. Md. Ashraful Islam
- Prof. Dr. Dipayan Mondal
- Prof. Dr. Subrata Talapatra
- Prof. Dr. Md. Rafiquzzaman
- Prof. Dr. Md. Hasan Ali
- Prof. Dr. Abul Hashem
- Dr. Md. Mahbubur Rahman
- Dr. Mst. Nazma Sultana
- Dr. Md. Saiful Islam
- Dr. Md. Shameem Hossain
- Dr. Md. Elias Uddin
- Dr. Md. Samsul Arefin Dr. Md. Ismail Hossain
- Dr. Md. Shakhawat Hossain
- Dr. Ma. Shakhawat nossa.
- Dr. Asief Javed
- Dr. Md. Mahmudul Hassan Mondol

### **Technical Committee**

- Prof. Dr. A. N. M. Mizanur Rahman (Chair)
- Prof. Dr. Mohammad Sultan Mahmud (Secretary)
- Prof. Dr. Abdullah Al-Faruk (Joint Secretary)
- Prof. Dr. Md. Kutub Uddin
- Prof. Dr. Khandkar Aftab Hossain
- Prof. Dr. Mihir Ranjan Halder
- Prof. Dr. Mohammad Ariful Islam
- Prof. Dr. Sobahan Mia
- Prof. Dr. Kazi Mostafijur Rahman
- Prof. Dr. Md. Abdul Hasib
- Prof. Dr. Helal-An-Nahiyan
- Prof. Dr. Md. Arifuzzaman
- Prof. Dr. Md. Ashraful Islam
- Prof. Dr. Dipayan Mondal
- Prof. Dr. Subrata Talapatra Prof. Dr. Md. Rafiguzzaman
- Prof. Dr. Md. Hasan Ali
- Prof. Dr. Md. Abul Hashem
- Prof. Dr. Mohammad Ali (BUET)
- Prof. Dr. Mohammad Mamun (BUET)
- Prof. Dr. Kazi Bayzid Kabir (BUET) Prof. Dr. Md. Sanaul Rabbi (CUET)
- Prof. Dr. Md. Arafat Rahman (CUET)
- Prof. Dr. Md. Mosharraf Hossain (RUET)
- Prof. Dr. Barun Kumar Das (RUET)
- Prof. Dr. Hasan Mohammad Mostofa Afroz (DUET) Prof. Dr. Abul Mukid Mohammad Mukaddes (SUST)