



# Ist International Conference on Advances in Mechanical, Materials, Mechatronics, and Energy Engineering (ICAME-24)



## ADVISORY BOARD MEMBERS

### PATRON:

Prof. Dr. Qaiser - uz - Zaman Khan

### CONFERENCE CHAIR:

Prof. Dr. Riffat Asim Pasha

### TECHNICAL ADVISORS:

Prof. Dr. Muzaffar Ali

Prof. Dr. Muhammad Ali Nasir

Dr. Shahid Mehmood

Dr. Mubashir Gulzar

Dr. Azhar Hussain

Dr. Muhammad Khurram Saleem

### ORGANIZING COMMITTEE:

Prof. Dr. Muhammad Ali Nasir (Chief Organizer)

Dr. Aneela Wakeel (Conference Secretary)

Dr. Tanzeel-ur -Rashid

Dr. Abid Hussain

Dr. Waqar Ahmad Qureshi

Dr. Muddassir Ali

Dr. Amar Ul Hassan Khawaja

Engr. Muhammad Asif

Dr. Muhammad Ahmad

Engr. Ahmed Zaheer

Engr. Muhammad Awais Islam

Engr. Rizwan Saeed

### REGISTRATION FEE:

- Rs. 3000/- Students
- Rs. 5000/- Professionals
- Rs. 2000/- Participants
- 150 USD - Foreign Students & Professionals

### MORE INFORMATION:

Dr. Aneela Wakeel (+92-519047696)

icame@uettaxila.edu.pk

### IMPORTANT DATES (DEADLINES)

REGISTRATION STARTS: 30 MARCH 2024

ABSTRACT SUBMISSION: 30 MAY 2024

FULL-LENGTH PAPER SUBMISSION: 15 JULY 2024

ACCEPTANCE NOTIFICATION: 15 AUGUST 2024

FINAL REGISTRATION: 12 SEPTEMBER 2024

## CONFERENCE THEMES

### Mechanical Engineering

- Applied Mechanics & Design
- Thermo-Fluids
- System Dynamics and Simulation
- Aerodynamics
- Sustainable Manufacturing
- Additive Manufacturing, and Production Processes
- Automotive Engineering
- Industrial Engineering

### Materials Engineering

- Nanomaterials
- Composite materials
- Additive Manufacturing
- Materials for Renewable Energy Technologies
- Biomaterials
- Shape Memory Alloys
- Coatings and Surface Engineering
- Computational Materials Science and Modeling

### Energy Engineering

- Renewable Energy Technologies
- Energy Efficiency and Conservation
- Energy Storage and Grid Integration
- Energy Policy and Regulations
- Carbon Capture and Sequestration
- Energy Economics and Management
- Energy Modeling and Optimization

### Mechatronics Engineering

- Mechatronic systems
- Robotics
- Micro/Nano Electromechanical Systems
- Haptics
- Biomedical Engineering
- Biomimetics
- Prosthetics
- Sensors
- Machine Learning Algorithms and Internet of Things (IoT)

## Aim and Objectives

### Aim:

Promote research and development on recent trends in Mechanical, Materials and Energy Engineering.

### Objectives:

- To share valuable knowledge and advancement in multi-scale engineering aspects under applied mechanics & design, thermal, materials, energy, and mechatronics fields for advanced technological applications.
- To explore and discuss innovative research ideas anticipated to be an interface between academia and industry for societal needs.

## About ICAME-2024

ICAME-24, hosted by the University of Engineering and Technology, Taxila, on October 17-18, 2024, offers a vital platform for scholars, researchers, and industry experts to converge and exchange ideas on Mechanical, Materials, Mechatronics, and Energy Engineering. The conference aims to advance knowledge across these disciplines, focusing on applied mechanics, thermal sciences, materials engineering, energy systems, and mechatronics. Participants will share expertise and research findings, fostering collaboration and addressing contemporary challenges. Emphasizing multi-scale engineering applications, the conference aims to bridge academia and industry, promoting dialogue and collaboration to identify practical solutions for societal needs. Through engaging discussions, ICAME-24 seeks to provide insights into the evolving landscape of these fields.

## Conference Venue

The conference venue is located in Taxila and 35 kilometers from the capital city Islamabad. Taxila holds historical significance as the ancient city of Takshashila, known for its cut stone ruins. Discovered in the mid-1800s by archaeologist Alexander Cunningham, it became a UNESCO World Heritage Site in 1980. Taxila was vital in the Kingdom of Gandhara from around 1000 BC to AD 1000, serving as a hub along major trade routes. Its Buddhist ruins are renowned, with discoveries of Hindu and Jain artefacts also adding to its historical importance.



**Register Now:**

**[web.uettaxila.edu.pk/icame2024](http://web.uettaxila.edu.pk/icame2024)**

