



ICAMMAIA 2025

International Conference

On

ADVANCES IN MATERIALS, MANUFACTURING AND
ARTIFICIAL INTELLIGENCE APPLICATIONS

(ICAMMAIA 2025)

(Hybrid Mode)

4th – 5th April 2025

Organised by

Department of Mechanical Engineering

In Association with

Internal Quality Assurance Cell

Harcourt Butler Technical University

<https://www.icammaia2025.info/>

About HBTU

Harcourt Butler Technical University (Formerly Harcourt Butler Technological Institute, Kanpur) has always been a paragon and a source of inspiration in the field of science and technology since the year 1921. Now, as per Act No. 11 of 2016 by the government of Uttar Pradesh it is upgraded to University, i.e, Harcourt Butler Technical University, Kanpur (HBTU, Kanpur). The University was established to make it a leading Residential University w.e.f 01.09.2016 to become a "Centre of Excellence" with a focus on Research and Development and Incubation in the field of Engineering, Technology, Basic & Applied Sciences, Humanities, Social Science & Management and other professional courses. HBTU, Kanpur aims to promote studies, research & innovation in engineering areas of higher education, to enhance skill development through continuing education programmes, and to achieve excellence in higher technical education.

Conference Aim and Objective

Material science research and advancements in manufacturing technology are key markers of the contemporary high-tech revolution. Technological developments in the fields of materials science and manufacturing aim to validate these notions and conceptions. The conference is titled "**International Conference on Advances in Materials Manufacturing and Artificial Intelligence Applications**" in light of the aforementioned facts. These ideas and concepts will be confirmed by technological progress in materials and production domains. The primary aim is to enhance the quality of life for the general public by advancing theory and practice across various scientific disciplines and research sectors. Organizing a conference by the Department of Mechanical Engineering in Association with the Internal Quality Assurance Cell at Harcourt Butler Technical University, Kanpur, Uttar Pradesh, India will lead to the following benefits to society: (i) **Provides a platform for** Industrial professionals, Academics and Research Scholars and (ii) **Opportunities for participants to** Interact, Share experiences and Discuss the latest developments and their applications, Serves as a premier international forum for the exchange of knowledge and addressing recent challenges in the field of Mechanical Engineering and associated disciplines.

Keys Topics

- Biocompatible Materials
- Polymer composite and composite materials
- Non-metallic, metallic and their alloys
- Surface Engineering and Coatings
- Nano materials and technology
- Materials flow modelling
- Processing and Manufacturing
- Automation, control, and monitoring of manufacturing processes
- Wear and tribology concerns related to production procedures
- Bioenergy and biofuels
- Energy from waste, biomass
- Carbon capturing and utilization
- Removal of greenhouse gases
- Renewable energy usage
- Energy applications using smart technologies
- AI Algorithms and Applications related to manufacturing
- Bioinformatics
- CAD Design and Testing related to materials and manufacturing
- Machine Learning Tools
- Fuzzy Logic, Computational Theories of Learning

Important Dates

Last Deadline for the Paper

Submission: 20th February 2025

Early Registration Starts: 16th August 2024

Early Registration Ends: 15th March 2025

Late Registration Ends: 25th March 2025

Conference Date: 4th – 5th April 2025

Payment Details

Beneficiary Name: ICAMMAIA 2025

Bank Name: Central Bank of India

Branch ID: 283288

Bank Address: HBTI, Kanpur, Uttar Pradesh

Account Number: 5665636238

NEFT/RTGS/IFSC CODE: CBIN0283288

MICR Code: 208016036

SWIFT CODE: CBININBBCXL

Link for registration after payment

<https://forms.gle/oufsMP72Y4FD4vv16>

Submission

Submit manuscript through following link

<https://cmt3.research.microsoft.com/ICAMMAIA2025>

Contact us

Website:

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ICAMMAIA 2025

CHIEF PATRON

Prof. Samsher, Hon'ble Vice Chancellor, HBTU, Kanpur, Uttar Pradesh, India

CHAIRMAN

Prof. Anand Kumar, Head, Department of Mechanical Engineering, HBTU, Kanpur, Uttar Pradesh, India

Prof. Vandana Dixit Kaushik, Dean, Continuing Education and Internal Quality Assurance, HBTU, Kanpur, Uttar Pradesh, India

CONVENER/ORGANIZING SECRETARY

Prof. Sanjeev Kumar Singh Yadav, Professor, Department of Mechanical Engineering, HBTU, Kanpur, Uttar Pradesh, India

Dr. Yashvir Singh, Associate Professor, Department of Mechanical Engineering, HBTU, Kanpur, Uttar Pradesh, India

Dr. Nishant Kumar Singh, Associate Professor, Department of Mechanical Engineering, HBTU, Kanpur, Uttar Pradesh, India

REGISTRATION FEE

FOR INDIAN DELEGATES

Nature of participants	Early	Late
Academicians/Research Scholars	INR 6500	INR 7000
Industry/Research Organization	INR 7000	INR 7500
Listeners/Accompany	INR 1000	INR 1500

FOR FOREIGN DELEGATES

Nature of participants	Early	Late
Academicians/Research Scholars	USD 200	USD 250
Industry/Research Organization	USD 250	USD 300
Listeners/Accompany	USD 50	USD 100

PUBLICATION PARTNER

Papers selected from the conference after peer review will be published by AIP Conference Proceedings Journal (SCOPUS, Web of Science indexed).

SPECIAL ISSUES (JOURNAL)

- Indian Journal of Environmental Protection (SCOPUS)

SPECIAL ISSUES (BOOK SERIES)

- Engineering Tribology, Manufacturing and Applied Energy, CRC Press
- Green Tribology and Tribochemistry, De Gruyter
- Advanced Mechanical Engineering, De Gruyter