

Conference Title

2nd International Conference on Advancements in Mechanical Engineering (ICAME 2027)

Conference Date

28, 29 and 30 January, 2027 (Hybrid Mode)

Venue

Department of Mechanical Engineering

Aliah University, IIA/27, Newtown, Kolkata 700160

Aim:

The ICAME 2027 conference is a platform where academicians, technocrats, researchers and scientists can exchange their technical expertise and knowledge. It aims to bridge the gap between academic research and industry needs. The topics covered are the major research areas of modern day requirements. We warmly welcome all researchers to submit their latest research paper to ICAME 2027, and share the valuable experiences with the scientist and scholars around the world.

Introduction:

This international conference will create a scenario where all the stakeholders viz. researchers, industry experts, R & D personals, manufacturers, students and faculty can gather in a single platform to discuss and share their views and expertise in the different segment of the technologies, thereby an industry can attract and breed prospective talents from the platform and bring it to development and adoption of the technology. Keeping in view the above facts and industry demands the following four themes viz. Thermal Engineering, Material Fabrication and Manufacturing, Industrial Engineering and Management & Fluid Power. We request all the stakeholders to participate in this international conference with their views and works for the development of these core engineering sectors.

It is proposed that the conference is jointly to be co-organized by CMERI, CSIR, Durgapur.

Call for Paper

Full-length papers covering original research work and case studies are invited for the international conference. The maximum 6 numbers of pages should be restricted as per the paper template.

CAD / CAE
Design of Mechanical Systems
Fatigue Fracture & Failure Analysis
FEM
Mechanisms
Rotor Dynamics
Vibrations & Control
Friction Wear & Lubrication
Foundry Technology
Product Design & Development
Thermal Engineering
Alternate Fuels
Automobile Engineering
CFD
Combustion & IC Engines
Fluid Mechanics
Gas Turbines and Gas Dynamics
Heat Transfer
Micro fluidics
Refrigeration and Air-conditioning
Renewable Sources of Energy

Materials and Manufacturing
Advanced Welding / Casting/ Forming Processes
CIM / CAM
Conventional / Un-conventional Machining
Composite Materials
FMS
Micro and Nano Manufacturing
Powder metallurgy
Rapid Prototyping
Robotics and Mechatronics
Industrial Engineering
Design and Analysis of Experiments
Entrepreneurship Development
Lean Manufacturing
Manufacturing Management
Product Life cycle Management
Quality Engineering
Reliability Engineering
Soft Computing Techniques
Supply Chain Management
Energy Efficiency

Publications:

All the accepted paper will be published in conference proceedings with unique ISBN number. Extended version of some high quality papers will proposed to be published in the following journals after reviewing with expert committee.

- (i) International Journal of Manufacturing and Foundry Technology (SAGE Publishers)
- (ii) Journal of Manufacturing Technology Research (Nova Science Publishers)
- (iii) International Journal of Manufacturing, Materials, and Mechanical Engineering (IGI Global)
- (iv) Springer Lecture Notes in Mechanical Engineering (LNME)
- (v) Advanced Science Letters
- (vi) Journal of Innovation in Mechanical Engineering (JIME)
- (vii) Journal of the Institute of Engineers (Series C)

Registration:

Delegates from Industries (Physical Mode & Online Mode)	: Rs. 8000 [Rs. 6000/- Early Bird offer*]
Delegates from Academia (Physical Mode)	: Rs. 7000 [Rs. 6000/- Early Bird offer*]
Delegates from Academia (Online Mode)	: Rs. 4000 [Rs. 3000/- Early Bird offer*]
Research Scholars/ Students (Physical Mode)	: Rs. 5000 [Rs. 3500/- Early Bird offer*]
Research Scholars/ Students (Online Mode)	: Rs. 2500 [Rs. 2000/- Early Bird offer*]
Delegates from Abroad [Other than SAARC countries] (Physical Mode & Online Mode)	: USD 250
Delegates from Abroad [SAARC countries (Physical & Online mode)]	: USD 200 [USD 150 – Early Bird Offer]

*Early Bird offer is only offered to Participants from India and other SAARC countries only [Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan, and Sri Lanka]

Accommodation:

The accommodation will be given on first come first serve basis in different nearby guest house / hotels. A number of good Guest House and hotels are easily available within 5 km radius of the campus and will be booked on prior request of Delegates. The Organizers will assist the participants in booking those accommodation if communicated well in advance.

Important Dates:

Call for paper	:	16 th July, 2026
Submission of paper (full)	:	1 st August 2026 to 31 st August 2026
Notification of Acceptance of paper	:	10 th August 2026 onwards
Last Date of submission of revised paper:	:	30 th September, 2026
Registration starts	:	15 th September 2026 – 15 th December 2026
Early Bird offer* (Only for Indian Delegates)	:	Registration before 15 th November
Registration closes	:	15 th December
Conference dates	:	28, 29 and 30 January, 2027

About the Host University:

Aliah University started its glorious journey from the 2008-09 academic session with great potential and immense opportunities. It is hoped that this university, harmonizing tradition and modernity, will emerge as a unique institution of higher studies and research. As per Aliah University Act 2007, Section 3 (3), it has been conferred the status of a minority educational institution. Aliah University is an autonomous university under the Department of Minority Affairs and Madrasah Education, Government of West Bengal. It is hoped that along with the people of any race, creed, caste or class, this University will play a crucial and leading role in the advancement of higher education for socially and educationally backward classes belonging to the Minorities.

Aliah University has with it the rich heritage of the 229-year old educational and cultural institution, Mohammedan College of Calcutta, popularly known as Madrasah-i-Aliah or Calcutta Madrasah, the first

educational institution set up in India in 1780 by Warren Hastings, the then Governor General of India. Thus, one of the oldest centres of higher learning and culture, the institution is steeped in history. Many eminent scholars were associated with this institution as administrators, principals, teachers as well as students. Calcutta Madrasah was upgraded to Calcutta Madrasah College and then to Aliah University by the Government of West Bengal through Aliah University Act XXVII of 2007 passed in West Bengal Legislative Assembly.

Aliah University is marching on with a vision to recapture the ambience and dynamic cultural heritage of the madrasah system, to expand and deepen it, to evolve it further with a successful outreach into the emerging areas in each branch of modern science, technology, social studies, and humanities. We would like to instill the dynamism of the glorious heritage of the past among all our students, so that they can successfully cope with the critical needs and challenges of the present and contribute to the future advancement of science, technology, and human civilization, develop love and respect for fellow citizens of the country, and integrate themselves to the nation.

About The Organizer:

The Department of Mechanical Engineering at Aliah University is one of the premier departments in our university that provides a unique academic and research environment. The Department was established in the year of 2010 which was incepted under the supervision of Late Professor P.K.Nag, Former Head of the Department of Mechanical Engineering, IIT Kharagpur. Today, the department has been contributing fundamentally towards achieving excellence in academics like teaching, workshops, lab-sessions, assignments, industrial trainings, seminars, internships, projects and many more. The department also attracts and features an extraordinary rich diversity of talented eight number of permanent faculty members from various specializations like manufacturing, thermal engg., fluid mechanics, design etc. It is running with Bachelor's, Master's and Doctoral Programs with an aim to keep pace with the rapidly evolving mechanical industry that demands unwavering passion and urge to innovate. At present, Dr. Mukandar Sekh is holding the position of Head (Officiating). Currently, in the department, there are 240 undergraduates including 1st year students. Also, the department is running M.Tech. Programme in Manufacturing Engineering and Thermal Engineering. The intake capacity is 18 and currently, there are 33 post graduate students in both specializations.

The mechanical engineering department has various laboratories such as machining and machine tools, thermal engineering, fluid mechanics and machines, CNC (Lathe) and Advanced Manufacturing Technology (EDM and Wire-EDM), CAD/CAM, etc. All the faculty members are actively engaged in the development of upcoming laboratories like Strength of Materials, metrology, Dynamics of Machine, Flexible Manufacturing, Mechatronics, etc. for making the academic knowledge of the budding engineers complete with a practical outlook and technology. Every year, the department organizes one day seminar named as "The Mechanical Day" in the memory of Late Professor P.K.Nag. The students are nurtured in an interactive learning environment under careful and sincere supervision of well-experienced faculty members and other renowned personnel in this field.

The aim of the Department is to focus on developing cutting-edge technologies of inter-disciplinary nature on multiple scales. At the end, it will broaden its self-definition and be a continuing resource of ideas to the academy as well as to the industry.

About the Location & Tourist Attractions:

Aliah University is located in Newtown, Kolkata. New Town, is a fast-growing planned satellite city and a neighbourhood of Kolkata. located in North 24 Parganas district of the Indian state of West Bengal. This new information technology and residential hub is being developed on the north-eastern fringes of Kolkata.

It consists of areas of two erstwhile villages Rajarhat and Bhangar, which is now a statutory planned development area.

The main mode of transportation, like other parts of Kolkata includes air conditioned, non-AC government and private buses, taxi, and other popular Indian transports like auto rickshaw and e-rickshaws. As of 2015, around 300 buses on 25 different bus routes, either passes through or originates from New Town. As of November 2016, the New Garia – Airport line of the Kolkata Metro is under-construction with cost inflation and delays. There is also a plan to extend the Circular Railway from Bidhannagar Road (Ultadanga) to New Town via Lake Town and Salt Lake. The Netaji Subhas Chandra Bose International Airport is very near to the township, providing air connectivity to the rest of the world. Overall the area is being well planned with wide, thoughtfully planned roads and expressways.

There are several historical and excellent tourist places in Kolkata metro city such as Victoria Memorial, Indian Museum, Marble Palace, Birla Industrial & Technological Museum, Science City, Jorasanko Thakur Bari, Gurusaday Museum, National Library of India, Shaheed Minar, Eden Gardens, Tipu Sultan Mosque, Nakhoda Masjid, Dakshineswar Kali Temple, Kalighat Kali Temple, Belur Math, Howrah Bridge, Vidyasagar Setu, Nicco Park, Newtown Eco Park, etc.

Sponsorship

Government organizations, Industries and Private sectors sponsoring the international conference will be acknowledged in all banners, posters and conference kits depending on the type of sponsorship. It is also planned to bring out an attractive souvenir that will include the titles of all papers and would be a valuable reference. All sponsors will be acknowledges in brochures and posters.

Premium	Rs. 1,00,000 (Include advertisement banners, 10 mins Time slot for promotion, logo in certificate & backdrop, 3 complementary delegate Registrations)
Platinum	Rs. 50,000 (Include advertisement banners, logo in certificate & backdrop, 2 complementary delegate Registrations)
Gold	Rs. 30,000 (Include Logo in backdrop, 2 complementary delegate Registrations)
Silver	Rs. 15,000 (1 Complementary delegate Registration)
Special	Sponsorship for a lunch / dinner (Include advertisement banners in the lunch/dinner area, logo in certificate & backdrop, 2 complementary delegate Registrations)

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