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Important dates

Last date for the Submission of full paper: 31st JAN 2024
Acceptance Notification for full papers: 15th FEB 2024
Registration starts & ends on 15th FEB 2024 & 29th FEB 2024

Registration and accommodation

Registration with payment procedures and accommodation details will be shared after the acceptance. The registration charges are as follows

Delegate	India	Foreign
Industry	Rs. 5000/-	150 USD
Academia	Rs. 4000/-	100 USD
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Awards will be given for the top three papers presented.

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5th International Conference on Advances in Mechanical Engineering

ICAME 2024

20-22 March 2024

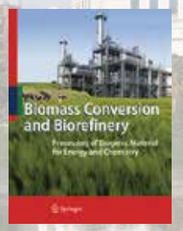
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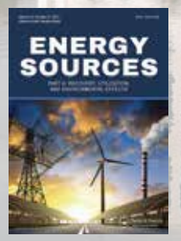
Venue: G.D. Naidu Hall - 1st floor, Mechanical B Block



NAAC A++ | MHRD Govt. of India, UGC University Grants Commission Category 1 with 12B Status | nirf National Institutional Ranking Framework (2022) Ranked 19th University | QS (2023) World Ranking one among 41 Indian Universities | THE World University Rankings (2023) World Ranking one among 75 Indian Universities | ARIIA Atal Ranking of Institutions on Innovation Achievements (2021) Ranked 4th | Shanghai Ranking (2023) World Ranking one among 14 Indian Universities







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5th International Conference on Advances in Mechanical Engineering (ICAME 2024) | 20-22 March 2024

Department of Mechanical Engineering SRM Institute of Science and Technology, Tamil Nadu, India.

About SRMIST

SRM Institute of Science and Technology (formerly known as SRM University) is located on an extensive sylvan campus of 380 acres skirting the National Highways (NH145) in the outskirts of Chennai. SRMIST is one of India's top-ranking universities and premier engineering destinations in India, which was established in 1985 by the honorable Founder Chancellor, Dr. T. R. Paarivendhar. Now it is functioning in campuses located at Kattankulathur, Ramapuram, Vadapalani, Modi Nagar (Ghaziabad), and Tiruchirappalli with over 52000 students and 3200 faculty members, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Agriculture, Law and Science & Humanities. The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. SRMIST also collaborates with various foreign Universities. The Institute enjoys an unsurpassed reputation in academic and corporate circles, being the preferred human resources source for vision to be recognized as a world-class learning institution. SRMIST has been accorded Category I status by MHRD-UGC of the Government of India and also accredited by NAAC with an 'A++' Grade in 2018.

Vision of the Institute

To emerge as a World - Class University in creating and disseminating knowledge, and providing students a unique learning experience in Science, Technology, Medicine, Management and other areas of scholarship that will best serve the world and betterment of mankind.

Mission of the Institute

- MOVE UP through international alliances and collaborative initiatives to achieve global excellence.
- ACCOMPLISH A PROCESS to advance Knowledge in a rigorous academic and research environment.
- ATTRACT AND BUILD PEOPLE in a rewarding and inspiring environment by fostering

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the pioneering departments of SRMIST. The department is functionally divided into three broad areas of specialization: (i) Design (ii) Manufacturing and (iii) Thermal. B.Tech Mechanical Engineering program at Kattankulathur campus is accredited by the Engineering Accreditation Commission (EAC) of ABET, (https://www.abet.org/) also accredited by NBA (National Board of Accreditation) for six years.

The Department also offers the following programs

- B.Tech Mechanical Engineering with Specialization in AIML (Artificial Intelligence and Machine Learning)
- M.Tech (Solar Energy)
- M.Tech (CAD)
- M.Tech (Robotics)
- Doctoral programs in Mechanical Engineering specializations

Around 1500 research papers have been published in peer-reviewed high impact factor international journals and 2000 papers have been presented at national and International conferences. Around 80 patents have been published and 20 patents granted at National and International Levels

Vision of the department

To enhance learning and research skills in mechanical engineering and allied fields to accomplish crest positions in world-renowned organizations.

Mission of the department

- To impart quality education to produce eminent mechanical engineers.
- To establish Centers of Research Excellence to inculcate research acumen to faculty and students on the emerging thrust areas of mechanical engineering.
- To inculcate progressive education and intricate facts through cognitive training programs to the faculty and students using state-of-art facilities.

National/International conferences held earlier:

- 1st International Conference on Advances in Mechanical Engineering (ICAME 2006)
- National Conference on Advances in Mechanical Engineering (NCAME 2016)
- 2nd International Conference on Advances in Mechanical Engineering (ICAME 2018)
- 3rd International Conference on Advances in Mechanical Engineering (ICAME 2020)
- First Virtual International Conference on Advances in Renewable and Sustainable Energy Systems, (ICARSES 2020).
- International Conference on Advances in Thermal Engineering and Applications, (ICATEA 2021)
- International Conference on Recent Advances in Manufacturing Engineering Research (ICRAMER 2021)
- International Conference on Advances in Mechanical Engineering Design (ICAMED 2021)
- 4th International Conference on Advances in Mechanical Engineering (ICAME 2022)
- 2nd International Conference on Recent and Advanced Composite Materials (ICRACM-2023)

Outcome of ICAME 2022

250 selected papers have been published in reputed SCI and Scopus indexed journals like Journal of Thermal Analysis and Calorimetry, Materials and Manufacturing Processes, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Heat Transfer Engineering, Materials Today: Proceedings.

About the Conference

The objectives of ICAME 2024:

- To promote research and developmental activities in Mechanical Engineering.
- To promote scientific information exchange among the academicians, researchers, developers, engineers, students, and practitioners working around the world.

You are cordially invited to be a part of the 5th International Conference on Advances in Mechanical Engineering to be held in physical mode during 20-22 March 2024. This conference focuses on a range of issues but not limited to: Solid Mechanics, Structural, Thermal, Energy (SDG- 7), Alternate refrigerants with low GWP and ODP (SDG-11&13). Energy efficient buildings and green architectures (SDG-9&11), Manufacturing, Aerospace, Composites and Advanced Materials, Mechatronics, Robotics and Control, Micro and Nano Heat transfer, Thermal management in Electric Vehicles (SDG- 11), Biomechanics and health (SDG-3), Industrial Applied Mechanics (SDG-11), Agriculture - Food Science and Nutrition Engineering (SDG-2), Water Pumping with Wind Energy (SDG-2 &12), Multidisciplinary and Emerging Areas of Engineering

Call for papers

- We invite the original/review full text papers from the students, academicians/researchers and industrial experts. Papers should meet the scope of the conference, unpublished and not under consideration for publication elsewhere.
- Selected papers will be welcomed to submit an extended version to anyone of the listed journals based on the scope of the corresponding journal after the peer review
- If papers accepted after peer-review, it will be published in SCI/Scopus Indexed Journals
- Article processing charges if any, shall be payable based on the respective journal policy.

Journals for publications



Environmental science and pollution research, Springer publication

SCI, IF= 5.8, special issue on Advanced thermal energy storage systems for sustainable development

The manuscript submission will be opened on 1st May 2024 and Closed on 1st Sep 2024



Biomass conversion and biorefinary, Springer publication

SCI, regular issue, IF= 4



Energy sources, part A: recovery, utilization and environmental effects. Taylor and Francis publication,

SCI, regular issue, IF= 2.9



Heat transfer engineering. Taylor and Francis publication

SCI, special issue, IF= 2.3



Crystals, MDPI publication

SCI, regular and special issue, IF= 2.7



Journal of the Institution of Engineers (India): Series D, Springer publication

Scopus, regular issue, SNIP= 0.588

