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4th International Conference on Advances in Mechanical Engineering

ICAME 2022
24-26 March 2022

<http://www.srmist.edu.in/icame-2022/>



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)



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Organized by

Department of Mechanical Engineering

SRM Institute of Science and Technology

Kattankulathur Campus, Chengalpattu District,

Tamil Nadu 603203, India

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About SRM IST:

SRM Institute of Science and Technology (formerly known as 'SRM University') is located in an extensive sylvan campus of 380 acres skirting the National Highways (NH145), in the outskirts of Chennai. SRMIST is one of the top ranking Universities and most premier engineering destinations in India, which was established in 1985 by the Founder Chancellor, Dr. T. R. Paarivendhar. Now it is functioning in campuses located at Kattankulathur, Ramapuram, Ramapuram Part (Vadapalani) in Chennai, Tiruchirappalli and one in Modi Nagar, Ghaziabad with over 52000 students and 3200 faculty members, offering a 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. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for realizing the vision to be recognized as a world - class learning institution. SRMIST has been accorded Category I status by MHRD-UGC of Government of India and also accredited by NAAC with 'A++' Grade in the year 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 freedom, empowerment, creativity and innovation.

About Department of Mechanical Engineering, SRM IST:

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 offered at Kattankulathur campus is accredited by Engineering Accreditation Commission (EAC) of ABET, USA, (www.abet.org). The department also offers M.Tech. and Doctoral programs in various specializations. The present faculty strength is 115. More than 30 patents have been filed in national and international levels.

Around 1000 research papers have been published in peer

reviewed high impact factor international journals and 1000 papers have been presented in national and international conferences.

Vision of the department

To impart knowledge to our students in an ambience of Humanity, Wisdom, Intellect, Creativity of Innovation, in order to nurture them culturally and Ethically rich professionals with bright future.

Mission of the department

- To impart quality education to produce mechanical engineers and enhance their skills to become world renowned professionals
- To establish Centers of Research Excellence to inculcate research acumen in faculty and students on the areas like; machining, biomechanics, bio-fuels, composites, and energy
- To provide state-of-the-art education and training programs to the faculty and student fellowship

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)

Outcome of ICAME 2020

3rd International conference on Advances in Mechanical Engineering was held in 2020. Around 365 papers have been published in SCI and Scopus indexed journals through the conference.

About the Conference

The primary goal of the conference (ICAME 2022) is to:

- Promote research and developmental activities in mechanical engineering.
- Promote scientific information exchange among the academicians, researchers, developers, engineers, students, and practitioners working around the world.

You are cordially invited to the 4th International Conference on Advances in Mechanical Engineering. This conference focuses

on a range of issues but not limited to: Solid Mechanics, Structural, Thermal, Energy, Manufacturing, Aerospace, Materials Science, Mechatronics, Robotics and Control, Micro and Nano Heat transfer, Automotive, Biomechanics, Industrial Applied Mechanics, Multidisciplinary and Emerging Areas of Engineering.

Objective

The conference aims to bring together academia and engineers from all over the world to deliberate upon the challenges, opportunities on Advances in Mechanical Engineering.

Call for papers

The organizers invite the researchers, scholars and authors to submit their original and extended research for presentation after peer review

Journals for publications



Journal of Thermal Analysis and Calorimetry. Springer publication
SCI, regular issue, IF= 4.626



Materials and Manufacturing Processes. Taylor and Francis publication
SCI, special issue, IF= 4.616



Energy sources, part A: recovery, utilization and environmental effects abbreviation. Taylor and Francis publication,
SCI, regular issue, IF= 3.447



Heat transfer engineering. Taylor and Francis publication
SCI, special issue, IF= 2.172



Journal of Power and Energy. Sage publication
SCI, regular issue, IF= 1.882



Journal of Engineering Tribology. Sage publication
SCI, IF=1.674. No publication charge: Regular issue



Tribology - Materials, Surfaces and Interfaces. Taylor & Francis publication,
Scopus indexed, SNIP=0.87. No publication charge: Regular issue



International Journal of Vehicle Structures & Systems, MechAero Foundation for Technical Research & Education Excellence (MAFTREE) publication,
Scopus indexed, SNIP=0.677. Publication charge: 5000 INR: Special issue



Materials Today proceedings, Elsevier publication
Scopus, special issue, SNIP= 0.657, Publication charge=USD30 (thirty US dollars)



Journal of the Institution of Engineers (India): Series D, Springer publication
Scopus, regular issue, SNIP= 0.588

AIP Conference Proceedings, AIP publications
Scopus, special issue, SNIP= 0.314, publication charge= USD 100 (hundred US dollars)

Registration charges:

	India	Foreign
Delegate – Industry/ Academia	Rs. 1000/-	50 USD
Student /Ph.D Scholars	Rs. 500/-	25 USD
Co-author Certificate/Participants	No fee	No fee

Please fill the Registration form and the fee can be paid online (NEFT/IMPS) to the below account:

Account Name: Mechanical Engineering Association

Account No: 459777734

IFSC Code: IDIB000S181

Indian Bank

Branch: SRM UNIV, Kattankulathur

Register Online: <https://bit.ly/3esBmVK>

Mode: Virtual mode

Important dates

Submission of Extended Abstract	30 th December 2021
Acceptance Notification	15 th January 2022
Submission of full paper	31 st January 2022
Registration Start & End:	1 st February 2022 & 28 th February 2022

Best paper awards

Awards will be given for the top three papers presented.

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