



A Virtual International Conference on Advances in Mechanical Engineering Design (ICAMED-2021)

on
May 3rd and 4th 2021



Design Division

Department of Mechanical Engineering

College of Engineering Technology

SRM Institute of Science and Technology, Kattankulathur Campus,

Dist. Chengalpattu, Tamil Nadu 603023, India

Website: <https://www.srmist.edu.in/icamed-2021/>

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About SRM Institute of Science and Technology

SRM Institute of Science and Technology (SRM IST) 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. SRM IST is one of the top ranking Universities and most premier engineering destinations in India, which is established in 1985 by the Founder Chancellor, Dr. T.R. Paarivendhar. Now it is functioning in campuses located at Kattankulathur (KTR), Vadapalani, and Ramapuram in Chennai and one in Modi Nagar, Ghaziabad 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. SRM IST also collaborates with various foreign Universities. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for vision to be recognized as a world-class learning institution. SRM IST has been accorded with 'Category- I' status by the MHRD-UGC, Government of India and also accredited by NAAC with 'A++' Grade in the year 2018.

About Department of Mechanical Engineering, SRM IST

The Department of Mechanical Engineering is one of the pioneering departments of SRM IST. The department is functionally divided into three broad areas of specialization: namely, Design, Manufacturing, and Thermal Engineering. B. Tech Mechanical Engineering program at Kattankulathur campus is accredited by Engineering Accreditation Commission (EAC) of ABET, USA. The department also offers M. Tech. and Doctoral programs in various specializations. The present faculty strength is 135. About 800+ research papers and 850+ conference papers have been published in national and international levels. More than 30 patents have been filed in national and international levels. The following salient workshops and conferences was conducted by the Department of Mechanical Engineering, KTR: International Conference on Advances in Mechanical Engineering 2006, Short Course on Mechanics of Composite Materials and Structures: 2015, Workshop on Development Manufacturing and Analysis of Advanced Composites, 2015 and A Short Course on FEM, 2015, National Conference on Advances in Mechanical Engineering (NCAME 2016), Brain Wave Robotics, 2017, International Conference on Advances in Mechanical Engineering (ICAME 2018) and 2nd International Conference on Advances in Mechanical Engineering (ICAME 2020).

Vision of the Department of Mechanical Engineering

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 of Mechanical Engineering

- 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.

About the Conference

Engineering Design in Mechanical Engineering is advancing at a rapid pace due to rapid growth of technologies in various related fields including computer science which has revolutionized the way in which the information is processed, shared and inferred. One of the main purpose of engineering design is to provide a solution to a problem by applying scientific knowledge and in doing so it also becomes important for the design to have an aesthetic look with an enhanced product life. For any design engineer it becomes necessary to look into the need of the design, research the possible designs, selecting the most promising design, evaluating the design, communicating the design and re-design if required. The conference will focus on the recent topics of design engineering where various sessions will be conducted on recent topics ranging from designing concept to simulation of concepts further digging into enhancing the product life.

Objectives

The conference aims to bring together passionate people from academia and engineers from industries, scientists from research labs, researchers from R&D institutions and from educational institutions all over the world to deliberate upon the challenges, opportunities and advances in Mechanical Engineering Design in the wake of creating newer opportunities in addressing the emerging requirements in the society.

Call for Papers

Virtual International Conference on Advances in Mechanical Engineering Design (ICAMED 2020) solicits contributions from prospective authors including scientists, engineers, researchers, students, industry persons, R&D institutions etc. by the way of submitting their high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Mechanical Engineering Design.

Important Topics *but not limited to*

Finite element methods
Experimental mechanics
Biomechanics and ergonomics/bio medical
and image processing
Modelling and simulation
Optimization techniques
AI / ML applications
Collaborative design
Design of Experiments
Design for manufacture
Vibration and Noise
Condition monitoring and signal processing
Fracture mechanics
Rapid prototyping/ 3D printing
Virtual and Augmented Reality
Product design and reliability
Rotor dynamics
Tribology
Multi-body dynamics
Nonlinear mechanics

Best Paper Awards

First, second and third best presentation
e-Certificates in each session.

Publications

Selected papers will be published in
Scopus/ WoS Indexed Journals.

Registration Charges

Please fill the Registration form and send it before
the due date with an online fee of **INR. 500/-** to
the following account:

Account name:

Mechanical Engineering Association

Account type: Current account

Account number: 459777734

Bank name : Indian Bank

IFSC code : IDIB000S181

MCIR No : 600019171

Submission of Abstracts

Prospective authors are invited to send the short
abstracts not more than 300 words excluding the
keywords as a MS word document file.

The abstract shall contain the following:

1. Title of the paper
2. Authors names
3. Author affiliations
4. Corresponding author email address
5. Corresponding author contact number
6. Keywords (five words)

Important Dates

Submission of Abstract : 01st April 2021

Acceptance Notification : 12th April 2021

Last date for Registration : 30th April 2021

Submission of full paper : 30th April 2021

Submit Abstract: icamed2021@srmist.edu.in

Contact

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