



## 4<sup>th</sup> INTERNATIONAL CONFERENCE ON

# ADVANCES IN MECHANICAL ENGINEERING AND MATERIAL SCIENCE (ICAMEMS-24) Hybrid Mode

23 -25 October, 2025

Registration  
coming soon

Website: <https://icamems.com/>

Abstract Submission Link  
coming soon

### ABOUT VIT-AP UNIVERSITY, AMARAVATI

VIT was founded in 1984 under the leadership of Dr. G. Viswanathan and conferred University status in 2001. VIT has four campuses at Vellore, Chennai, Amaravati (AP), and Bhopal, offering more than 86 Undergraduate, Postgraduate, and Research Programmes with 50,000 + students from 28 Indian states and 50 + countries. Its flagship B.Tech program attracts more than 1,50,000 applications throughout the country and abroad. VIT is the FIRST Institution from India to get a 4 STAR Diamond rating and in the Top 550 of the QS World University Ranking by Subject in 3 subjects. VIT is also ranked in the Top 250 universities of Asia Ranking and Young University Ranking. It is also ranked among the top 9 institutions in India in the reputed Shanghai World University Rankings VIT is ranked as the No.1 private institution for innovation and the ARIIA 2019 award, constituted by the Govt. of India, was received by the Chancellor from the President of India on 8th April 2019. VIT is also recognized as an Institute of Eminence by the Govt. of India for its overall excellence in research and Innovation. Many of its programs are accredited by ABET, the American Accreditation Board for Engineering and Technology, and also IET, The Institution of Engineering and Technology, United Kingdom. VIT has been ranked among the TOP 20 Best Engineering Institutions in India for the past 5 years in a row, from 2016 - 2020, in the National Institutional Ranking Framework (NIRF), Govt. of India.

VIT-AP University has established a 100-acre campus at Amaravati on 26th July 2017 and is currently offering 16 programs in the specializations of Engineering, Business, and Law. VIT-AP University has a student strength of 4500+ spread across UG, PG, & Ph.D. programs from 26 states of India and 3 countries. VIT-AP University has introduced many innovations in the academic process including FFCS (Fully Flexible Credit System), PBL (Project Based Learning), fully digitized academic portals that assist students in equipping themselves for 2020 futuristic. Hackathons / Makeathons are part of curriculum exercise which kindle the interest and curiosity of the students. Apart from the 200 plus MoUs signed by VIT University with the various international Universities; VIT-AP University recently had entered an exclusive agreement for a joint 2+2 program with Arizona State University, and also with the University of Michigan, Dearborn.

### ABOUT THE SCHOOL OF MECHANICAL ENGINEERING

The School of Mechanical Engineering is one of the premier schools of VIT-AP University which has a dedicated team of highly qualified faculty members holding Ph.D. from elite institutes across the globe. The school is well known not only for teaching and training the best minds of this country but also for its research contributions in areas such as Additive Manufacturing, Advance Manufacturing & Material Characterization, Computational Mechanics, Fluid Dynamics, Biomedical, Thermal science, Design, Robotics, IC engines, Tribology, Colloidal suspensions, and Dispersion. Our labs have state-of-the-art facilities to carry projects for the development of technologies. The UG students are also encouraged to engage in projects with faculty members for higher studies in leading universities in the USA, Europe, and Asia.

### ABOUT CONFERENCE

This is the fourth edition of the conference series (ICAMEMS) with previous editions being successfully conducted annually from 2022 to 2024 at VIT-AP University, Amaravati. ICAMEMS-2025 aims to create an international conglomeration of scientists, engineers, and industrial experts. This forum serves as a platform where people can share information about diverse technological advancements, innovations, and achievements in the areas of Mechanical engineering and Material Science. Further, it would also facilitate discussion that centers on the developments and challenges in the field of machine design, manufacturing, thermal and fluid engineering.

The focus of this conference is to provide a technical platform that encourages scientific research and educational activities that would cater to the needs of both society and the industry. Most importantly, ICAMEMS-25 is invested in the advancement of a common man's life by utilizing the theory and practice of Mechanical Engineering and Material Science. The conference includes a keynote address and guest lectures by eminent speakers around the globe who would deliberate the recent trends and challenges in the field of mechanical engineering.

Select papers from the conference will be published in Scopus indexed journal (the list will be updated soon..)

### Keynote Speakers

will be updated soon

### Organising Committee

#### Chief Patron

**Dr. G. Viswanathan**  
Chancellor, VIT University

#### Patron

**Shri. Sankar Viswanathan**  
Vice President, VIT University

**Dr. Sekar Viswanathan,**  
Vice President, VIT University

**Dr. G. V.Selvam**  
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**Dr. Dilip Kumar Mohanty,** Dean SMEC

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**Dr. M.V. Ravindra Kumar**  
**Dr. Manas Kumar Pal**  
**Dr. Suyog Jhavar**  
**Dr. Rajan D. Langekar**  
**Dr. Kishor E**

### CALL FOR PAPERS:

#### The topics of the conference include, but not limited to

- ▶ Advanced Manufacturing Processes
- ▶ Additive Manufacturing
- ▶ Green Manufacturing and Industry 4.0
- ▶ Conventional machining processes
- ▶ Non-conventional machining processes
- ▶ Micro Machining
- ▶ Materials failure analysis
- ▶ Finite element analysis
- ▶ Lightweight automobiles
- ▶ Product design & development
- ▶ Mechatronics & Robotics
- ▶ Non-Conventional Energy Resources
- ▶ Heat and Mass transfer
- ▶ Green energy & Energy harvesting
- ▶ Refrigeration & Air conditioning
- ▶ Heat Exchangers
- ▶ Tribology
- ▶ Combustion & Pollution
- ▶ Sensors & Actuators
- ▶ Flow measurements
- ▶ Nano Materials
- ▶ Advanced Composite Materials
- ▶ Dispersion and Dispersants
- ▶ Materials Characterization
- ▶ Polymer composites
- ▶ Metal matrix composites
- ▶ Materials Processing
- ▶ Functionally graded materials
- ▶ Smart materials
- ▶ Biomaterials
- ▶ Self-healing materials
- ▶ Cryogenic materials
- ▶ Renewable Materials
- ▶ Solar Energy Materials
- ▶ Advanced Computational materials
- ▶ Biosensor and Bio-electronic Materials
- ▶ Surface Science & Engineering
- ▶ Advanced Energy Materials
- ▶ Material Chemistry
- ▶ Metals, ceramics & polymers
- ▶ Primary and secondary atomization
- ▶ Droplet and spray evaporation
- ▶ Optical diagnostics and image processing
- ▶ Colloidal and Suspensions

### IMPORTANT DATES:

LAST DATE FOR SUBMISSION OF ABSTRACT : **30<sup>th</sup> June, 2025**

ABSTRACT ACCEPTANCE NOTIFICATION : **15<sup>th</sup> July, 2025**

LAST DATE OF SUBMISSION OF FULL LENGTH MANUSCRIPT : **30<sup>th</sup> August, 2025**

MANUSCRIPT ACCEPTANCE NOTIFICATION : **30<sup>th</sup> September, 2025**

CONFERENCE DATES : **23-25, October 2025** (Thursday, Friday & Saturday)

### Publication Partners

will update soon

### CONTACT

Organizing committee: **ICAMEMS-2025**

**School of Mechanical Engineering**

**VIT - AP University,**



Amaravati, Andhra Pradesh,

INDIA – 522241

Submit Your Queries at:

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