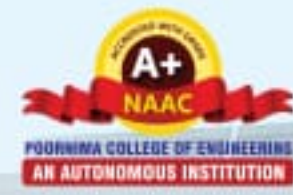




Vasavi College of Engineering (Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

Affiliated to Osmania University and Approved by AICTE



Second International Conference on Advanced Materials and Computational Methods in Mechanical Engineering (ICAMCMME-2024)

Organized by
Department of Mechanical Engineering
Vasavi College of Engineering
Hyderabad, India

HYBRID MODE

DECEMBER 20-21, 2024

In association with
Department of Mechanical Engineering
Poornima College of Engineering
Jaipur, India

ABOUT THE CONFERENCE

The conference aims to create a forum to present and exchange new ideas by researchers and developers from India and abroad working in the frontier domains of Mechanical Engineering and its allied fields. This conference attempts to bridge the gap between academia and industry and paves the way for researchers to meet societal needs with improved indigenous technologies. In recent times, the role of computational methods through CAD/ CAM/ CAE has increased enormously in the field of Mechanical Engineering on account of advances in computational facilities and resources, also leading to a reduction in product development time. The proposed conference also targets even for interdisciplinary contributions not only in the area of Mechanical Engineering and its allied fields like Metallurgy Engineering, Marine Engineering, Automotive applications, Production Engineering, Industrial Engineering, IoT-based product development, etc.

ICAMCMME-2024 COMMITTEES

CHIEF PATRONS

- Sri P. Ramamohan Rao, President, VAE, Hyderabad, India
- Sri M. Krishna Murthy, Secretary, VAE, Hyderabad, India

PATRON

- Sri P. Balaji, CEO, VCE, Hyderabad, India

GENERAL CHAIRS

- Dr. S.V. Ramana, Principal, VCE, Hyderabad, India
- Dr. Mahesh Bundeale, Principal & Director, PCE, Jaipur, India

ORGANISING CHAIRS

- Dr. T. Ramamohan Rao, Professor & HOD, VCE, Hyderabad
- Dr. Narayan Lal Jain, Professor & HOD, PCE, Jaipur

PUBLICATION CHAIRS

- Prof. Manoj Gupta, NUS, Singapore
- Prof. Azeoko Salifu Tahiru, Tamale Technical University, Ghana
- Prof. B. Venkatesham, IITH, Hyderabad, India
- Prof. T. Ramamohan Rao, VCE, Hyderabad, India

INTERNATIONAL ADVISORY COMMITTEE

- Dr. Kumar. A Senthil, NUS, Singapore
- Dr. I. Sridhar, NTU, Singapore
- Dr. Mohammed, Talat Al Talawaneh, UTAS, Muscat
- Dr. A. Ranga Subbaiah, UTAS, Muscat
- Dr. Syed Yousufuddin, Jubail Industrial College, Saudi Arabia
- Dr. K. Venkateswarulu, University of Namibia, Namibia
- Dr. M. Ganesh Kumar, NUS, Singapore

NATIONAL ADVISORY COMMITTEE

- Prof. K. Venkata Subbaiah, IIT Hyderabad, India
- Prof. Ravindra Brammajyoshula, IIT Jodhpur, India
- Prof. P.M.V. Subba Rao, IIT Delhi, India
- Prof. M. Ravi Shankar, IIT, Tirupati, India
- Prof. A. Venugopal, NIT, Warangal, India
- Dr. N.V. Swamy Naidu, NIT, Raipur, India
- Prof. P. Laxmi Narayana, OU, Hyderabad, India
- Prof. AVSSKS Gupta, IIT, Idupulapaya, India
- Prof. Jeevan Jaidi, BITS, Hyderabad
- Prof. S.V. Kota Reddy, Vice-Chancellor, VIT Amaravathi, India
- Dr. C.S. Bhasker Dixit, Jain University, Bangalore, India
- Dr. V. Pramada Srinivas, NICMAR, Hyderabad, India
- Prof. K.Kishore, VCE, Hyderabad, India
- Prof. A. Srinivas, VCE, Hyderabad, India

TECHNICAL PROGRAMME COMMITTEE

- Prof. Bale V. Reddy, Ontario, Canada
- Dr. K. Venkateswarulu, University of Namibia, Namibia
- Prof. Ratna Kumar Annabattula, IIT Madras, India
- Prof. B. Venkatesham, IIT, Hyderabad, India
- Dr. Tikendranath Verma, MANIT, Bhopal, India
- Dr. Raju Prasad Mahto, SVNIT, Surat, India
- Prof. J. Srinivas, NIT Rourkela, India
- Dr. Amrita Nigohkar, DIAT-DRDO, Pune, India
- Prof. Sriram Venkatesh, OU, Hyderabad, India
- Prof. A. Krishnaiah, OU, Hyderabad, India
- Prof. M. Chandrasekhar Reddy, OU, Hyderabad, India
- Prof. B. Hadya, Chairman, OU, Hyderabad, India
- Prof. P. Ramesh Babu, MED, OU, Hyderabad, India
- Prof. G. Narender, MED, OU, Hyderabad, India
- Prof. L. Siva Rama Krishna, OU, Hyderabad, India
- Dr. P. Srinivas Rao, Director, Technical Training, CYIENT, Hyderabad, India
- Mr. K. Lakshmi Narasimha Rao, NRSA, Hyderabad, India
- Prof. Ch VKNSN Moorthy, VCE, Hyderabad, India

CALL FOR PAPERS

Prospective authors from academia and industry are invited to submit their full-length papers to the ICAMCMME 2024 conference, which have not yet been submitted/ published. Topics of interest for submission include but are not limited to

Track I: Materials Engineering

- Ceramics & Composites
- Fuel-cell Materials
- Materials for Energy Storage
- Materials Synthesis and Characterization
- Nanomaterials & Nano particulates
- Self-healing Materials
- Smart & Hybrid Materials
- Thermal Interface & Insulation Materials
- Thermoplastic & Thermosetting Polymers

Track II: Computational Methods and Design Engineering

- Aerospace Structural Dynamics
- AI, ML, and IOT applications to ME
- CAD, FEA, Multibody dynamics, Robotics
- Design for Sustainability
- Vibration Analysis and Condition Monitoring
- Virtual Reality and Mechatronics

Track III: Manufacturing and Industrial Engineering

- Advanced Manufacturing in Aerospace Engineering
- CIM/FMS/Agile/Lean Manufacturing Systems
- ERP, BPR, Concurrent Engineering & RE
- Machine Tools, Unconventional & Micro Machining
- Nano-manufacturing
- Quality & Reliability Engineering & Six-sigma
- Robotics and Automation
- Supply chain and logistics

Track IV: Thermal and Automotive Engineering

- Automobile Design and Manufacturing
- Computer-Aided Thermal & Fluid Flow Analysis
- I.C. Engines and Alternative Fuels
- Nano Fluids and Their Applications
- Nuclear Power Plants: Design, Analysis, and Safety
- R&AC, Cryogenics, and Space Technology
- Renewable Energy and Heat & Mass Transfer
- Thermal Management of Electronic systems
- Vehicle Safety, Pollution, Noise and Vibration

REGISTRATION FEES

Category	National (INR)	International (USD)
Regular author academician/industry persons	₹ 3500	\$100
Regular author students (Ph.D./PG)	₹ 3000	\$100
Regular author Students (UG)	₹ 2500	\$75
Attendees / Co-authors/Only Presentation	₹ 2500	\$75
Publication Fee (Additional)	₹ 10000	\$220

All accepted and presented papers at the conference will be submitted to Scopus or SCIE-indexed journals and proceedings editors for peer review and consideration for publication.

Conference Website

<https://icamcmme2024.in/>

Paper Submission Link

<https://www.icamcmme2024@vce.ac.in>

IMPORTANT DATES

- Paper Submission Opens **September 05, 2024**
- Paper Submission Deadline **October 07, 2024**
- Paper Acceptance Notification **October 21, 2024**
- Registration Process Starts **October 23, 2024**
- Last Date of Registration **November 04, 2024**

ORGANIZING SECRETARIES

Dr. S. Venkataiah
Associate Professor
Department of Mechanical Engineering
Vasavi College of Engineering, Hyderabad, India

Dr. Raj Kumar Satankar
Associate Professor
Department of Mechanical Engineering
Poornima College of Engineering, Jaipur, India

Dr. J. Anjaneyulu
Assistant Professor
Department of Mechanical Engineering
Vasavi College of Engineering, Hyderabad, India

CONFERENCE VENUE: (Hybrid Mode)

Department of Mechanical Engineering, Vasavi College of Engineering, 9-5-81, Ibrahimbagh, Hyderabad, Telangana, India

CORRESPONDENCE/QUERY

Organizing Secretary, ICAMCMME-2024

✉ : icamcmme2024@vce.ac.in • ☎ : 91+9985087394, 9490925436, 9440886144, 8561995290

