

**International Conference on
Innovations in Materials, Manufacturing and Energy
Engineering - ICIMME'25**

29th and 30th January 2025

Organized by

Department of Mechanical Engineering

Sri Sai Ram Engineering College

Chennai, Tamilnadu, India

An Autonomous Institution | Affiliated to Anna University &

Approved by AICTE, New Delhi

Accredited by NBA and NAAC "A+" | An BIS/EOMS ISO 21001:2018 Certified and NIRF
ranked institution

Sai Leo Nagar, West Tambaram, Chennai - 600 044.

Email: www.sairam.edu.in

ABOUT THE INSTITUTION

Sri Sai Ram Engineering College, an BIS/EOMS ISO 21001:2018 certified Institution was established by Founder MJF. Ln. Leo Muthu in 1995, our college accredited by NAAC with 'A+' grade and all the eligible Engineering programs got accredited by National Board of Accreditation (NBA). The College is situated in sylvan environment and offers sixteen UG courses and six PG courses in Engineering, Technology and Management, with strength of 6000 plus Students. The Institution has grown and recognized among the reputed Institutions in Tamil Nadu with the highest degree of commitment and enthusiasm of the Staff and Management. With the motto, "*Prosperity through quality education*", the institution disseminates knowledge and entrepreneurship skills among the Students and strives to achieve excellence in the field of Technical, Computer and Management education. The College is one among the top Colleges in Tamil Nadu and ranked in NIRF since 2017. The College has adopted the 'Sustainable Development Goals (SDG)' in all the College activities to create awareness and build a sense of responsibility towards the society in the minds of budding engineers, to build a better world. The College has highly qualified and dedicated

Professors guiding various socially relevant projects funded through state and central government agencies like DST, AICTE, DRDO, CSIR, MOE, UBA and publishing research outputs in various national and international journals.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering established in the year 1995. It has excellent infrastructural facilities on par with the latest development in technologies. The department is accredited by the National Board of Accreditation since 2007 and is backed by professionally experienced and highly qualified faculty and supporting staff. The Department received 'Best Industry Linked AICTE-CII Award' in 2015 and 2020. It also has Master of Engineering M.E- CAD /CAM program is focused to prepare graduate Students in the multi-disciplinary profession on Computer aided design and manufacturing for the challenges and opportunities that abound in modern technology and society. The Department has been recognized as a Research by Anna University and has centre of excellence namely Material Research, Clean Energy, Reverse Engineering & CAE etc., The Department has signed MoU with TIEMA, AIEMA, COINDIA and many leading Industries. The Department has Professional societies-SAE, ISTE, IEL, ISHRAE, IWS, IEEE and QCFI. Students have bagged awards from SAE events like M-BAJA, E-BAJA, SUPRA, TIFAN, Effi-Cycle, Bicycle and other events like Solaris, Go-Kart, E-bike & Dirt bike. Delphi TVS has established the Centre of excellence in the field of advances in fuel injection systems.

ABOUT THE CONFERENCE

This conference mainly provides a valuable platform for academicians, Researchers, Industrial Experts and also students to exchange their new ideas and application to establish research relations to meet the demand on National and International level. ICIMME'25 aims to promote cooperation in various areas and an active role in improving academic standards by implementing a wide discussion on Materials Engineering, Manufacturing Engineering & Energy Engineering. Panel discussion formed in the recent trends in Mechanical Sciences as a part of the conference in continued with keynote lectures on advanced manufacturing technology, Industrial Engineering, Robotics and Thermal Sciences.

CONFERENCE TOPICS

TRACK – 1: MATERIALS ENGINEERING

- Advances in Composite Materials and Structures
- Advanced Materials Processes
- Polymer Nanocomposites and Their Applications
- Lightweight Materials
- Biomaterials
- Mechanics of Materials
- Polymers and Alloys
- Ceramics and Glass
- Micro/Nanomaterials
- Materials for Aerospace
- 3D Materials
- Magnetic/Non-Magnetic Materials
- Smart/Intelligent Materials

TRACK – 2: MANUFACTURING ENGINEERING

- Manufacturing Systems and Industry 4.0
- Sustainable Manufacturing and Design Innovations
- Advanced Manufacturing Processes
- Additive Manufacturing and 3D Printing Technologies
- Advances in Non-Destructive Testing Techniques
- Finite Element Method (FEM) in Manufacturing Processes
- Non-Conventional Manufacturing
- Design for Manufacturing

TRACK – 3: ENERGY ENGINEERING

- Innovations in Energy Harvesting and Energy Conversion
- Renewable Energy Systems
- Energy Management and Distribution
- Control Strategies for Green Energy Systems
- Innovations in Thermal Energy Storage Systems
- Energy Efficiency in Renewable Energy Technologies
- Computational Mechanics and Simulation Techniques
- Fuel Cell Technology

- Impact of Climate Change on Energy Systems
- Green Energy Vehicles

ABSTRACT SUBMISSION GUIDELINES:

Authors are requested to prepare abstract according to the provided template and submit them through the abstract submission link. Selected abstracts will be assigned with unique paper IDs and authors will be invited to submit a full paper for peer review. [Click here to download the Abstract Template.](#)

The abstract of the accepted papers will be published in the proceedings of the conference. Papers received after the deadline will not be included in the conference proceedings. The paper registered for the conference must be presented by one of the registered authors in the conference. Certificate of participation / presentation will be issued to the registered delegates / authors attending the conference.

[Click here to submit your Abstracts](#)

INSTRUCTIONS TO AUTHORS

Papers submitted are not being previously published in any other forum. All submitted papers are scrutinized by the expert committee. The authors of selected papers will be intimated through e-mail only. The authors who are willing to present the paper in the conference are requested to submit the full length paper in *.doc* format as per the template (Refer conference website for full Paper template), on or before the proposed date.. Presentation in the conference will be through off-line only.

[Click here to submit your full Manuscripts](#)

JOURNAL PUBLICATION

After a careful refereeing process as per the journal norms, selected papers will be recommended for publication in the AIP Conference Proceedings (Waiting for approval) which is indexed in Scopus.

REGISTRATION GUIDELINES

- Registration should be completed only after the paper has been selected and assigned with paper ID.
- Click the registration link, fill out the form, upload proof of payment, and submit before the specified deadline.

- Registration fee Payments can be done via NEFT (Net Banking /Google Pay/ PhonePe) to the mentioned Account Number. (Refer website for account details)
- The registration fee includes: Conference Kit, Refreshments and lunch for both days, Participation Certificate, Attending Conference Program and all plenary, parallel sessions.
- Please ensure that all details are accurate before submitting.

[Click here to Register for the conference](#)

REGISTRATION FEE

Category	With Publication		Without Publication	
	Fee (Rs.)	Fee (\$)	Fee (Rs.)	Fee (\$)
Industry	15000	180	3000	40
Govt./ Academic/ Research Institutions	13500	160	1500	20
Students/ Research Scholars	13000	155	1000	12

IMPORTANT DATES

Last date for submitting Abstract : 30.11.2024
 Notification of acceptance of Abstract : 06.12.2024
 Last date for submitting full length paper : 31.12.2024
 Notification of acceptance of full length paper: 05.01.2025
 Last date for registration: 10.01.2025

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Contact Details

The Organizing Secretary,
ICIMME'25, Department of Mechanical Engineering,
Sri Sairam Engineering College
Sai Leo Nagar, West Tambaram, Chennai – 600 044

Mobile: Dr. R. Bhoopathi: +91 9486784878

Dr. C. Parswajinan: +91 9840494561

Mr. A. Ravinthiran: +91 9944881995

e-mail : icimme@sairam.edu.in

website :<https://www.sairam.edu.in/icimme25>