

ICAM

**INTERNATIONAL CONFERENCE ON
ADDITIVE MANUFACTURING**
(Aerospace, Automotive, Construction (3DP),
Medical & Electronics)

4-6, MARCH 2024



ORGANIZERS



PATRONS

Prof. Bidyadhar Subudhi
Director
NIT Warangal

Mrs. Ramadevi Lanka
Director
Emerging Technologies Telangana

 **Date: 4-6, March 2024**

 **Venue: National Institute of Technology Warangal, INDIA**



**NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL, INDIA**



Register at : <https://www.nitw.ac.in/>

Phone : (+91) 9740847669, 9760613653
| Email : icam@nitw.ac.in

ABOUT THE CONFERENCE:

The International Conference on Additive Manufacturing (Aerospace, Automotive, Medical and Electronics) will be held during March 4-6, 2024, at the National Institute of Technology Warangal. The conference will be hosted by the National Institute of Technology Warangal and supported by the National Centre for Additive Manufacturing (NCAM). ICAM 2024 is an international flagship event related to Additive Manufacturing: technological developments, materials, automotive, aerospace, electronics and medical applications. This conference focuses on industry-specific requirements and Research trends in AM addressing the entire advanced manufacturing processes and value chains. The conference will cover major topics and key areas in additive and advanced manufacturing. ICAM is organized by NIT Warangal in association with NCAM, and advanced manufacturing experts from industry, academia, government and regulatory agencies. This conference addresses application-specific requirements of various industry sectors in addition to covering the fundamentals of additive manufacturing processes with the goal of transitioning research to application. Industry, academia, medical doctors and government agency professionals in the AM community are invited to address the current and future state of:

- Industry standards
- Materials and Process Development
- Innovations in the Research on Additive Manufacturing
- Qualification and certification

The conference will provide an attractive forum for presenting the latest advances in aspects related to additive manufacturing, 3D Printing, materials developments, and technological development by researchers and engineers from a cross-section of industry, research laboratories (both government and industry-related), and academic institutions. Building upon the success of this event and new breadth of topics covered, ICAM 2024 will involve more stakeholders, expanding its overall topic related to additive manufacturing. ICAM sets the stage to bring experts from around the world to exchange the latest developments in the field of additive manufacturing and 3D printing with emphasis on the transition of research to application.

Who should attend?

We warmly welcome experts, scholars, and scientific & technical officers to participate in this international academic exchange activity in the field of Additive Manufacturing and its applications.

Venue:

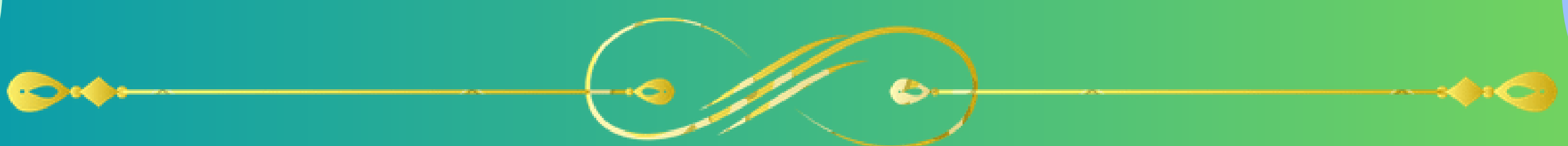
Seminar Hall complex, National Institute of Technology Warangal,
Hanamkonda, Telangana-506004, India



Travel: By Air: Nearest Airport Rajiv Gandhi International Airport 168 km from NIT Warangal

By Train: Kazipet Railway Station 3.6km from NIT Warangal

Warangal Railway Station 10.3 km from NIT Warangal



NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL, TELANGANA, INDIA

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls, guest houses and laboratories. The Additive Manufacturing group of NITW have successfully completed application oriented medical hospital projects. The AM research group implemented the customised oral and maxillofacial implants for medical applications. The Faculty of AM group of NIT warangal have expertise in polymer and metal AM. AM group have already conducted training programs for researchers and faculties of various organisations.

NATIONAL CENTRE FOR ADDITIVE MANUFACTURING (NCAM)

NCAM aims to create and enable a sustainable ecosystem for product innovation in India with emphasis on research, design, development, and testing through collaborative efforts between academia, industry, and government using the disruptive technology of Additive Manufacturing.

The NCAM is a company registered under section 8(1) of the Companies Act 2013. The NCAM is established by the ministry of electronics and information technology, Govt. of India, and the ITE&C Department, Govt. of Telangana in partnership with industry. It is conceptualized with a vision to create and enable a sustainable ecosystem for product innovation in India with an emphasis on research, design, development, and testing through collaborative efforts between academia, industry, and government using the disruptive technology of Additive Manufacturing.

Call for Papers

Scan the QR code for poster/Paper Submission

[Click here to Submit your paper](#)



Publications:

- Selected full papers can be submitted to the following journals. The paper will go through the normal review process of the journal but they will be acknowledged as papers presented at ICAM-2024. The journals are:
- The top standard selected paper will be published in the ***Journal of Micromanufacturing as Special Issue " Additive Micromanufacturing"***
- The top standard Selected paper likely to be considered for the publication in ***International Journal on Interactive Design and Manufacturing (IJIDeM)***
- Paper in a book: All the selected full papers (after review) (about 8-15 pages) can be submitted to be published in Lecture Notes in Mechanical Engineering (Scopus Indexed) Springer proceedings book volume with ISBN number. Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published.



CALL FOR PAPERS

Industry Focus Areas

- Automobile
- Spacecraft and Aerospace
- Marine and Defence
- Biomedical and Healthcare
- Electronics and Communications
- Energy Storage/Harvesting
- Heavy Equipment, Machinery & Goods

Best Poster Award

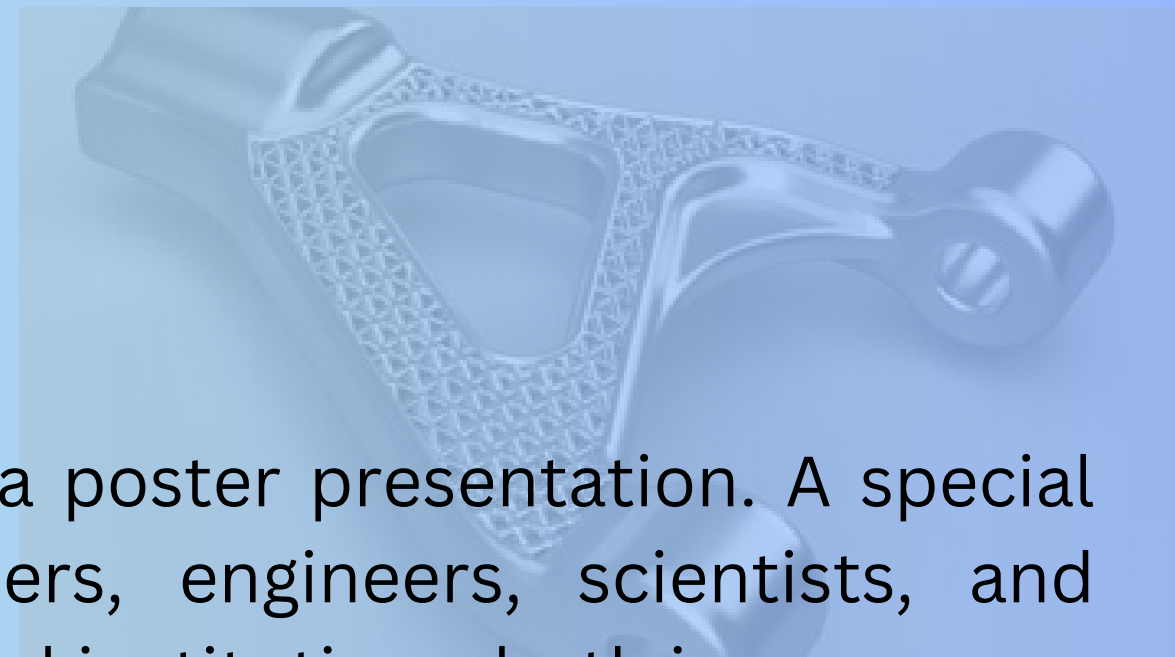
This international conference has a section allotted for a poster presentation. A special invitation is extended to students, faculty, researchers, engineers, scientists, and technologists spread through the domains of (i) Educational institutions, both in a public and private domain, (ii) Research laboratories, (iii) Institutes for research and technology advancement, and (iv) Industry, to come forward to showcase aspects specific to their novel and innovative findings and accomplishments made in the domains spanning both engineering-relevant and technology-relevant applications. The “Best Poster” in each of the categories specific to Technology, Biomedical Additive Manufacturing, and Technological Applications will be chosen and eligible for a handsome award. The concerned individuals are required to submit an abstract of their poster for inclusion in the conference program that will be distributed to all attendees and participants. The contributing authors are strongly encouraged to submit a full-length technical manuscript for inclusion in the bound volume, having archival value and significant technical impact.

Paper Submission

All the KEY-NOTE, INVITED, and CONTRIBUTED technical papers presented at this scholarly technical event will be published with a confirmed ISBN number. Certificate of participation will be distributed to the conference participants at the conference registration desk.

Guidelines for paper submission:

- Instructions for manuscript preparation and submission will be provided to the authors whose abstracts have been accepted for presentation at the conference.
- Contributing authors are urged to ensure that their manuscripts will be completed by the due date.
- Oral or Poster presentation of the technical paper is a MUST for the inclusion of your ‘valued’ technical manuscript.
- The Paper should be written in English.
- Page Size: A4; Margins: Top 2.5 cm, Bottom 2.5 cm, Left 3 cm, Right 3cm; No of Words: 8000 (Max); Font: Times New Roman; Font size: 11 points; Spacing: Single Spaced; Keywords: Up to five keywords.



Topics

- Additive Manufacturing of Biomaterials, Polymers, Plastics, Metals, Ceramics, Composites & Epoxies, High Entropy Alloys, Functionally Graded Materials, Intermetallic(s), Magnetic Materials, Shape Memory Alloys, Metal-Matrix Composites, Foams, superconducting Materials, etc.
- Additive Manufacturing & Hybrid metal additive manufacturing systems
- Additive Manufacturing for Aerospace, Defence, Automotive, BioMedical, Electronics, Construction, and Consumer Products Applications.
- Additive Manufacturing Modeling and Simulation
- Need for Design in additive manufacturing
- Environment and sustainability aspects of AM
- Standardisation and qualification of AM parts
- Computational and Analytical Methods in Additive Manufacturing
- Internet of Things, Automated Welding and Additive Manufacturing
- Materials Science of Welding and Additive Manufacturing
- Business models for AM Companies in India in the focus sectors
- Monitoring and Advanced Diagnostics to Enable Additive Manufacturing
- Surface treatment in metal additive manufacturing
- Predictive Theoretical and Computational Approaches for Additive Manufacturing
- Printability of alloys for additive manufacturing
- Stress and distortion evolution and control during welding
- Theoretical Materials Science and Mechanics
- Welding and Additive Manufacturing of Titanium Alloys and AMC
- Welding and Additive Manufacturing using Laser and Arc
- Welding metallurgy
- Wires for Welding, Powders for Additive Manufacturing, and 3D Printing
- Construction 3D printing

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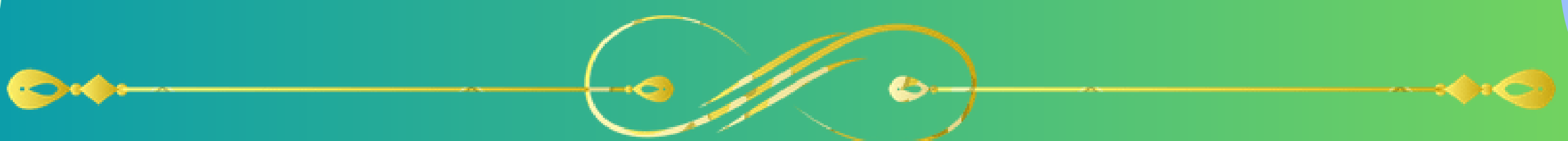
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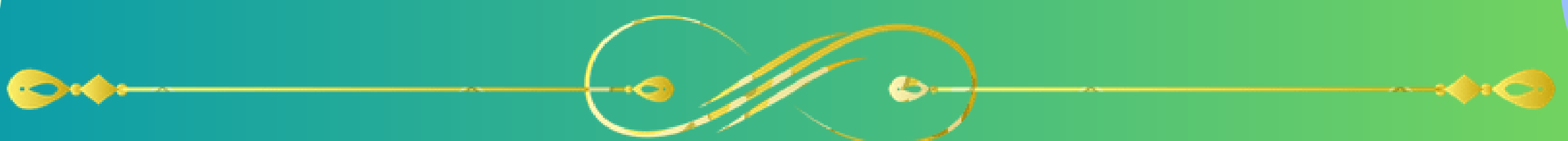
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Registration Fee

	Category	Registration Fee (Early Bid) Before 30/12/2023	Registration Fee (regular) 30th Jan 2024
Indian Delegates (INR)	Research Scholar/ Students	Rs. 4000	Rs.5000
	Delegates (Academic) (Faculty, Post-doctoral Fellows, And public sector R&Ds)	Rs. 6000	Rs. 6500
	Delegates (Non-Academic) Industry	Rs. 8000	Rs. 8500
Overseas Delegates USD (\$)	Research Scholars/Students	180\$	230\$
	Delegates (Academic) (Faculty, Post-doctoral Fellows, And public sector R&Ds)	350\$	400\$
	Delegates (Non-Academic), Industry	450\$	500\$

Registration fees inclusive of 18 % GST

Important Dates

Abstract submission deadline:	30/07/2023
Notification of acceptance of abstract:	15/08/2023
Full paper submission:	01/12/2023
Notification of acceptance of full paper:	20/12/2023
Registration (Early bird):	30/12/2023
Registration (Regular):	30/01/2024

-----Payment Mode-----

Name of the Account: **ICAM 2024**
Name of the Bank: **State Bank of India**
Account Number: **41932643119**
Account Type: Current Account
IFSC Code: **SBIN0020149**
MICR Code: **506002030**
Bank Address: NIT Warangal branch,
Hanmakonda, Telengana-506004

Confirmation Letter

A registration confirmation letter will be sent to you via e-mail on receipt of the payment.

Registration fee includes:

Technical Sessions and Cultural Evening
Conference Proceedings in soft form
Conference Kit
Three Lunches, Tea/ Coffee
Conference Banquet Dinner

Cancellation Policy

Cancellation should be made in writing (stating your name & registration no.) and sent to icam@nitw.ac.in

In case of cancellation:

For cancellations made on or before Feb 10, 2024, you will receive a refund of 50% of your registration fee less bank charges and administrative fee. No refund will be made for cancellations received after Feb 10, 2024.

Call for Papers

You are invited to submit abstracts of about 250-300 words on the mentioned themes through our website <http://cms.nitw.ac.in/conference/icam2024> electronically by 30/07/2023. Mention your affiliation, mailing address, phone and fax numbers and e-mail address. Selected papers will be published in Scopus/SCI/ESCI journals.

Contact

Dr. Manjaiah M, Dr. Shivraman, Dr. P. Subhash Chandra Bose

Organising Secretary, Dept. of Mechanical Engineering, National Institute of Technology Warangal
Telangana-506004, India, Email: icam@nitw.ac.in

Phone : +91 9740847669, 9760613653
8332969405