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CALL FOR PAPERS

Authors are invited to electronically submit abstracts of their original work written in English in the areas of interest to the conference. The abstract has to be of approximately 300 words. The Abstract must be submitted as an e-mail attachment to ICAMST-2024@msruas.ac.in.

All the submitted abstracts will be reviewed, and authors of selected abstracts will be requested to submit the full-length paper. The peer-reviewed papers would be published in the Scopus Indexed Proceedings. Besides, a souvenir containing abstracts would also be brought out.

KEY DATES

Receipt of Abstracts	May 17, 2024
Acceptance of Abstracts	May 31, 2024
Final Paper Submission	June 22, 2024
Conference Dates	July 29-31, 2024

REGISTRATION FEES

Delegates from Industry / Individuals	Rs 8000
Delegates from Academia and R&D institutions	Rs 6000
Research Scholars/ PG students	Rs 3500
UG Students	Rs 1500
Spouses / Additional Person	Rs 2000
International Delegates	USD 250

Registration fee includes a copy of the conference abstracts, participation in technical sessions, refreshments and lunch during sessions.

CONTACT

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2nd INTERNATIONAL CONFERENCE ON ADVANCES IN MATERIALS SCIENCE & TECHNOLOGY (ICAMST-2024)

July 29-31, 2024

Ramaiah University of Applied Sciences
Bangalore, India



Organised by

Faculty of Engineering and Technology
Faculty of Mathematical & Physical Sciences
Faculty of Dental Sciences



ABOUT THE UNIVERSITY

Ramaiah University of Applied Sciences (RUAS) a top private University in Bangalore, Karnataka, was founded in December 2013, under the Karnataka University Act. The creation of RUAS brought together several well-established educational institutions of the Ramaiah Group, reorienting them to a changing present and an unpredictable future.

The academic programmes of RUAS focus on student centric higher education. Students experience an integrated approach to academia, research, training, real-life problem solving and entrepreneurship.

RUAS is a comprehensive University with 13 Faculties / Schools / Constituent Colleges. The University offers undergraduate, postgraduate and doctoral programs in Engineering and Technology, Mathematical and Physical Sciences, Art and Design, Management and Commerce, Hospitality Management and Catering Technology, Pharmacy, Dental Sciences, Life and Allied Health Sciences and Medical and Nursing Sciences.

RUAS aspires to be the premier university of choice in Asia for student-centric professional education and service with a strong focus on applied research whilst maintaining the highest academic and ethical standards in a creative and innovative environment.

ABOUT THE CONFERENCE

The conference, jointly organized by Ramaiah University of Applied Sciences (RUAS), and Materials Research Society of India (MRSI) aims to bring together researchers and industry professionals working in the areas of Materials Science and Engineering in various domains. The main theme of the Conference is “Advances in Materials and Technology”. With the current impetus on Make in India policy of Union Government of India, the conference provides a platform for bridging Industry and Academia.

As materials science and engineering is multidisciplinary and constantly evolving, the conference aims to bring together experts from various materials disciplines and bridge the gap between theory and application. The conference is aimed to give a platform for people who work in different domains of materials which find application from medical to electronics, Civil and mechanical streams.

This Conference will comprise of keynote addresses, invited lectures, and contributed papers, posters as well as an exhibition to showcase technologies / products from RUAS and Industries.

THEMES FOR THE CONFERENCE

1. Structural Materials: Aerospace, Automotive, Mechanical, Civil

- Lightweight Solutions
- Metals and Alloys
- Polymer Matrix Composites
- Metal Matrix Composites
- Ceramic Matrix Composites
- High Temperature Materials

2. Energy Materials

- Batteries and Supercapacitors
- Fuel Cells
- PV Cells
- Nuclear Materials
- Thermal Materials & Management

3. Biomaterials related to Medical/ Dental/ Pharmacy

- Dental Materials
- Scaffolds
- Materials for Drugs and Drug Delivery
- Implant Materials
- Green Materials
- Soft Materials

4. Materials in Electronics and Sensors

- Semiconductors and their Composites
- Liquid Crystals
- Conducting Polymers
- Photonic Materials
- Multiferroics and Magnetic Materials
- Carbon and Related Materials

5. Computational Science in Materials

- Theoretical Modelling/Computer Simulations of Composite Materials
- Theoretical Modelling/Computer Simulations of Functional Materials
- Theoretical/Simulation Modeling of Material Behavior
- AI in Materials Science and Engineering

6. Sustainable Materials and Technology

- Green Building Materials
- Innovative Material Technologies: Aerogels, Nanotechnology
- Building Materials for Embodied Carbon Reduction

KEY NOTE SPEAKERS

Prof. Bikramjit Basu, Materials Research Centre, IISc, Bengaluru

Prof. Pikee Priya, Materials Engineering Department, IISc, Bengaluru

Dr. Harish C. Barshilia, Chief Scientist & Head, Surface Engineering Division, CSIR-NAL, Bengaluru

Dr. Andi Udaykumar, Chief Scientist, Materials Science Division, CSIR-NAL, Bengaluru

Dr. Manmeet Kaur, Head, Gas Sensing Devices Section, Technical Physics Division, BARC, Trombay

Dr. Debadatta Ratna, Scientist-G and Head, Directorate of Polymer Science and Technology, NMRL-DRDO, Ambernath

Dr. Kishora Shetty, Boeing, Bengaluru

Prof. Suhasini Guruaj, Auburn University, Alabama, USA

Prof. Katsuya Inoue, Hiroshima University, Japan

