



BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University · Accredited by NAAC with 'A+' Grade

SATHYAMANGALAM - 638401 · ERODE DISTRICT · TAMILNADU INDIA



International Conference on Advanced Materials and Technologies for Industry 4.0 - ICAMT 4.0

DEPARTMENT OF MECHANICAL ENGINEERING

March 24 & 25 – 2023

ABOUT THE CONFERENCE

International Conference of Advanced Materials & Technologies for Industry 4.0 (ICAMT 4.0) organized by Bannari Amman Institute of Technology during 24-25 March 2023. The objective of the ICAMT 4.0 is to bridge the gap between current industrial demand and innovations in materials and advanced technologies. The key factor of the industry 4.0 is to speed up the manufacturing process efficiently and do the customer favor through the automation and optimization to improve the business sectors. Advancement in materials and technologies such as robotics, additive manufacturing, artificial intelligence and big data analytics, etc are shifting the landscape of the manufacturing industry. It will create a competent prospect for discussion of major issues related to advanced research in materials for their economic exploitation, long term conservation, new development and imaginative uses. It also envisages global networking to inspire innovative research to provide solutions and drive systematic change. Further, eminent scientists across the globe will share their research and future scope for betterment of mankind. In addition, emerging trends of new technologies, Machine tools, Cutting Tools, Manufacturing systems, and simulation tools for solving industrial problems at various levels from the material design to complex manufacturing system. Sessions of the conference will explore innovative as well as revered technologies, research, development and optimization, workforce efficiency and productivity. The ICAMT 4.0 brings leading researches from academia, R&D organization and industries from various region of the world under one roof. This also helps to identify the current demand and emerging area of the basic and applied materials research.

TOPICS OF INTEREST INCLUDE (BUT NOT LIMITED TO...)

- Real World Industrial 4.0 Technologies
- IOT and cloud computing in Industry 4.0
- Artificial Intelligence in Diverse Sector
- Nanomaterials & Nano particulates
- Key Drivers for Industry 4.0
- Advanced Materials for Industry 4.0
- Additive Manufacturing
- High Performance Composites
- Materials for Electronics and Photonics
- Smart Biomaterials
- Advanced Non linear Materials
- Smart Nano-fibrous materials and Optical Materials
- Optical Materials
- Diffraction Studies
- Self-healing Materials
- Fracture of Materials
- Magnetic Materials
- Materials Synthesis & Processing
- Materials Theory, Computation, and Design
- Metals and Alloys
- Metallic Glasses
- Organic & Inorganic Elements
- Thermoplastic & Thermosetting Polymers
- Thermal Interface & Insulation Materials
- Materials for Energy Harvesting and Storage
- Energy Exchange smart Materials
- Solar Photovoltaic Cells

PUBLICATIONS

All the accepted papers will be published in Conference Proceedings. Selected papers meeting the scope, relevance, and novelty will be invited by the Expert Committee to submit in the following SCI and/or Scopus indexed journals as per the publisher norms.

- SAJE – Journal of Reinforced Plastics and Composites (Scopus & Web of Science Indexed. SCI Impact factor: 3.710)
- Environmental Science and Pollution Research (Scopus & Web of Science Indexed. SCI Impact factor: 5.190)
- Archives in Metallurgy and Materials - (Scopus & Web of Science Indexed. SCI Impact factor: 0.663)
- Scientific.net - Solid State Phenomena/Key Engineering Materials (Scopus Indexed)
- AIP Conference Proceedings (Web of Science & Scopus Indexed)



IMPORTANT DATES

S.No	Details	Date
01	Submission of Full Paper	15.03.2023
02	Intimation of Acceptance	18.03.2023
03	Registration and Camera Ready Paper Submission	20.03.2023

EASY CHAIR LINK

<https://easychair.org/conferences/?conf=icamt40>

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REGISTRATION FEE



- For academicians - ₹1500
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Guest Speakers



Dr. Hafiz Muhammad Ali

Associate Editor,
JTAC Springer & Editor International
Journal of Thermo fluids Elsevier
Associate Professor / Mechanical Engineering
King Fahd University of Petroleum and Minerals,
Dhahran, Saudi Arabia.



Dr. Ahamad Salim Dalkilic

Professor
Yildiz Technical University
Istanbul, Turkey



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Indira Gandhi Centre for Atomic Research
Kalpakkam, Chennai - 603 102
Tamil Nadu, India.



Kanagaraj Rajagopal

Scientist/ Environmental
Engineers Association,
Coimbatore



Mr. Aloysius Daniel

Head
Product Application Materials Science Division
Carl Zeiss India Pvt Ltd, Bangalore



Dr. Jamilu Usman

Professor,
Sokoto State University,
Nigeria



Dr. N. Sivashanmugam

Associate Professor
Department of Mechanical Engineering
NIT Tiruchy - 620015.

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