Chief Patron:

Mr. Ch. Malla Reddy, Founder Chairman, CMRGI, Hyderabad

Patrons:

Mrs. Ch. Kalpana Reddy, Chair Person, CMRGI, Hyderabad
Mr. Ch. Narasimha Reddy. Vice Chairman, CMRGI, Hyderabad

Mr. Ch. Gopal Reddy, Secretary & Correspondent, CMRGI, Hyderabad

Dr. M. Janga Reddy, Director, CMRIT, Hyderabad

Dr. B. Satyanarayana, Principal, CMRIT, Hyderabad

Conference Chair:

Dr. M. Janga Reddy, Director, CMRIT, Hyderabad

Convener:

Dr. B. Sridhar Babu, Professor & Head

Organizing Secretary:

Dr. T. Vishnu Vardhan. Professor in ME. CMRIT

Editorial Board:

Dr. B. Sridhar Babu, Professor, CMR Institute of Technology, Hyderabad **Dr. Kaushik Kumar,** Associate Professor, BIT Mesra, Ranchi, India **Prof. J. Paulo Davim,** Professor, University of Aveiro, Aveiro, Portugal

Conference Coordinators:

Dr. S. Sathees Kumar. Professor. CMRIT

Mr. B. Venkatesh, Assistant Professor, CMRIT

Mr. Y. Balaram, Assistant Professor, CMRIT

Mr. T. Mahender, Assistant Professor, CMRIT

Advisory Board (International)

Dr. Jaesool Shim, Yeungnam University, South Korea

Dr. Satyanarayana Kokkula, University of South-Eastern Norway, Kongsberg

Dr. Paulo Jorge Da Silva Bartolo, University of Manchester, UK

Dr. Mi-Gyung Cho, Tongmyong University, Busan, South Korea

Dr. Sri Ram Gunda, PCP Labs, Austin, Texas, US

Dr. Jeoung Han Kim, Hanbat national University, South Korea.

Dr. S.V Prabhakar, Yeunagnam University, South Korea.

Dr. A Dasharatha, Akersolutions, Norway

Dr. Sunil Pathak, University Malaysia Pahang, Malaysia

Dr. Ali Sabea Hammood, University of Kufa, Iraq

Dr. Vishal Niranje, Amity University, Dubai

Dr. Berat Baris Buldum, Mersin University, Turkey.

Advisory Board (National)

Dr. Somashekar S Hiremath, IIT Madras

Dr. A. Kumara Swamy, Defence Institute of Advanced Technology, Pune, India

Dr. Bankim Chandra Ray, NIT Rourkela

Dr. B Anjaneva Prasad, JNTUCEH, Hyderabad

Dr. Kaushik Kumar, BIT Mesra, Ranchi

Dr. Srikanth Bontha, NIT Surathkal.

Dr. Narasimhulu Sanke, Osmania University Hyderabad

Dr. I Srikanth, Advanced System laboratory, RCI, Hyderabad

Dr. Prabhakar Sathujoda, Bennet University

Dr. R. Thundil Karuppa Raj, VIT Vellore

Dr. Srinivasa Prakash Regalla, Professor, BITS Pilani, Hyderabad

Muthu Kumar.G, Chief -Projects, Volvo Buses India Pvt. Ltd.

Dr. B. Durga Prasad, Professor, JNTUA, Ananthapuramu, India

Dr. Ramesh M R, Associate Professor, NIT Surathkal

ABOUT HYDERABAD



Hyderabad is the capital of the Indian state of Telangana Occupying 650 square kilometers (250 sq mi) along the banks of the Musi River, Hyderabad City has a population of about 6.9 million and about 9.7 million in Hyderabad Metropolitan Region, making it the fourth most populous city and sixth most populous urban agglomeration in India. At an average altitude of 542 metres (1,778 ft), much of Hyderabad is situated on hilly terrain around artificial lakes, including Hussain Sagar-predating the city's founding-north of the city centrea.

ABOUT CMRIT



CMR Institute of Technology - UGC Autonomous was established in the year 2005 under the MGR educational society, Hyderabad .The institution was accredited by NBA, NAAC and aims at imparting quality education to students in Engineering & Technology, Business Manage-ment and Computer Applications. The focus is on full-fledged development of the students besides excellence in academics. Since the inception, The institution has been soaring high with its rich tradition of academic excellence & overall development of students. With the Highly qualified and experienced faculty members, The Institute offers CSE, ECE, Civil and Mechanical at Bachelors Level, MBA and M.Tech in CSE, VLSI and CAD-CAM at Post Graduation level.

CONTACT US

Dr. B. Sridhar Babu

Convener, ICMMSE - 2019

Mob: +91 8008557614 ,+91 9703805166, +91 9494932750 Email ID: icmmse2019@cmritonline.ac.in

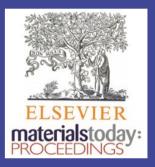
1st INTERNATIONAL CONFERENCE ON MANUFACTURING, MATERIAL SCIENCE AND ENGINEERING



ICMMSE-2019

Organized by **Department of Mechanical Engineering**

PUBLICATION PARTNERS





Conference Proceedings



Conference Dates: 16th & 17th August, 2019

https://www.icmmse.in





CMR INSTITUTE OF TECHNOLOGY

HYDERABAD, TELANGANA, INDIA

ABOUT CONFERENCE

The First International Conference on manufacturing, material science and engineering 2019 (ICMMSE2019) aims to bring together leading academicians, scientists, industry personnel, researchers and research scholars to exchange and share their experiences and research results about all aspects of manufacturing, material science, and engineering. It also provides the premier interdisciplinary forum for scientists, engineers, and practitioners to present their latest research results, ideas, developments, and applications in the area of manufacturing, material science, and engineering.

ICMMSE 2019 plays a significant role in inspiring breakthrough innovations from fundamentals to technological challenges and applications that are shaping the era of Industry 4.0.

SPONSORSHIP

PLATINUM SPONSORS

FEE Rs. 60,000/-

FACILITIES

- One Stall to exhibit their products and
- posters.
- Logo on Main conference banner
- 10 minutes time after keynote speeches to
- the audience in the seminar hall.
- Two participants can be allowed to attend all
- the Technical Sessions with Lunch and
- Snacks.
- One conference kit

GOLD SPONSORS

FEE Rs. 30.000/-

FACILITIES

- Logo on Main conference banner
- Two participants can be allowed to attend all
- · the Technical Sessions with Lunch and
- Snacks.
- One conference kit

CONFERENCE TOPICS

ICMMSE - 2019 welcomes Research papers on the following topics but not limited to:

- Additive Manufacturing
- Advanced Design Technology
- Advanced Manufacturing Technology
- Applications of FEA
- Bio-Materials
- Cellular manufacturing
- Clean and Sustainable Manufacturing Process
- Composites
- Computer Aided Metrology
- Functionally Graded Materials
- Industrial Automation and Process Control
- Industrial Robots and Automation
- Intelligent Controllers
- Joining Processes
- Lean and Agile Manufacturing
- Manufacturing Engineering
- Manufacturing processes and Technology
- Manufacturing system and simulation
- Manufacturing Systems and Equipment
- Materials Science and Engineering
- Materials Testing and Evaluation
- Mechatronics
- Nano Fabrication and Precision Engineering
- Nanomaterials
- Surface Modification Technologies
- Vibration Engineering

CALL FOR PAPERS

We invite high quality, state-of-the-art, previously unpublished original research papers. The authors may limit their papers to a maximum of 10 pages.

The authors will then be invited to submit the final papers based on the recommendations of the reviewers for inclusion into the proceeding. Manuscripts should follow the style of the conference proceedings publisher and are subjected to both peer review and editing.

PAPER SUBMISSION

Prospective authors are invited to submit full text papers to Send the papers:icmmse2019@cmritonline.ac.in

All accepted and presented papers will be included in the SCOPUS indexed journals.

- 1) Material Science Theme related papers: Materials Today : Proceedings (Elsevier)
- Mechanical Engineering theme related papers: AIP Conference Series

IMPORTANT DATES

Full Paper Submission : May 20, 2019

Paper Acceptance Intimation : July 5, 2019

Conference Dates : August 16-17, 2019

REGISTRATION

It is mandatory that at least one author of all accepted papers have to register for the conference to ensure that the paper is included in the proceeding. Only registered authors are allowed to present their papers.

CATEGORY	FEES
Research Scholars	Rs 7500/-
Faculty delegates	Rs 8000/-
Delegates from R&D	Rs 9000/-
Organizations & Industries	
International Delegates	USD 200
Accompanying Persons / Listeners	Rs 2000/-

The registration fee covers conference kit, access to all sessions, journal processing fee, coffee/tea, working lunch.

Accommodation on payment basis will be arranged on request.

PAYMENT DETAILS

Bank Account Number: 50100190232243

Account Name / Beneficiary Name: SAE INDIA COLLEGIATE CLUB OF

CMR INSTITUTE OF TECHNOLOGY

Bank Name: HDFC, Branch Address: MEDCHAL, Hyderabad, India

MICR Code: 500240039, Branch Code: 001640,

IFSC Code: HDFC0001640