



RAMMML-2023
02 – 04 FEB 2023

2nd International Conference on **RECENT ADVANCES IN MATERIALS, MANUFACTURING AND MACHINE LEARNING**

(ONLINE MODE)

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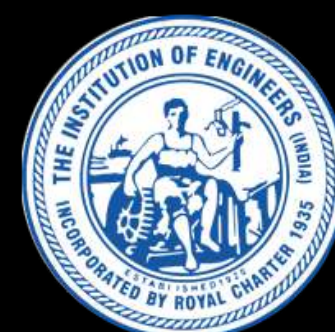
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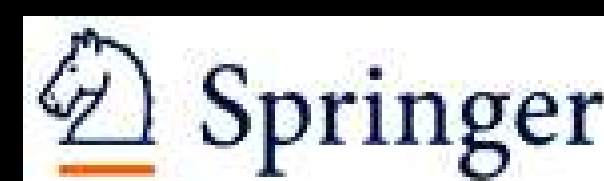


The Institution of Engineers (India)
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&



Publication Partners



Organized By

Department of Mechanical Engineering
Yeshwantrao Chavan College of
Engineering, Nagpur-441110

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Conference Theme

The 2nd International Conference on “Recent Advances in Materials, Manufacturing and Machine Learning (RAMMML-2023)” is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations. With its high quality, it aims to bring together both industrial and academic professional including leading academic scientists, researchers and research scholars to exchange and share their experiences, most recent innovations, trends and research results on all aspects of Advances in Materials, Manufacturing and Machine Learning.

About YCCE

Yeshwantrao Chavan College of Engineering (YCCE), Nagpur, Established in 1984, is renowned for Engineering Education and Research. It has successfully nurtured young engineering professionals, becoming a sought-after destination for students aspiring to higher technical education and placement in the competitive software and core industries. A first private engineering college to acquire 'Autonomous' status in Central India approved by AICTE & is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University. The college is guided by the Academic Advisory Board consisting of eminent academicians from the prestigious technical institutes in India and USA. Accredited by National Board of Accreditation (NBA), New Delhi. NAAC has accredited the college with an "A++" grade.

The institute has been ranked amongst top Engineering Institutions all over India including IITs, NITs, and Government & Autonomous Engineering Institution by NIRF, MHRD, and Government of India. The Institute offers 12 UG & 7 PG courses apart from Ph.D. programmes. Since its inception, the institute has maintained a tradition of academic excellence and training of students for the National Service. The Institute has taken quantum jumps and is one of the leading institute's offering world class technical educations. The Institute has signed MoU's with various National and International Universities, Laboratories and Industries for academic and research interaction and collaboration for mutual benefit.



About Mechanical Engineering Department

The Department of Mechanical Engineering is one of the largest departments in the Institute, offers the UG course in Mechanical Engineering and post graduate courses in CAD/CAM and Doctoral Program in Mechanical Engineering. The department has over 20 instructional and research laboratories, equipped with some of the state-of-the-art scientific instruments and systems. The vision of the department is to be one of the attractive destinations for pursuing mechanical engineering with emphasis on innovation, research and value based education. The Department is having Siemens Center of Excellence in the field of Automation, AVEVA Center of Excellence in the field of Pipe Design. The Department has maintained a good rapport with Industry and R & D organizations. The Department has student's chapters of ASME, SAE (Society of Automotive Engineers) and ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers).



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CALL FOR PAPERS

All papers must be original and not simultaneously submitted to another journal or conference. The following paper categories are welcomed:

Materials

Advanced Materials
Functional Materials
Ceramics, Shape Memory Alloys and Nano-materials
Materials for Aerospace Applications
Polymers and Polymer Composites
Glasses and Amorphous materials
Material characterization and testing
MEMS/NEMS
Bio and Energy Materials
Magnetic and Cryogenic Materials

Interdisciplinary

Condition Monitoring
Non-destructive testing
Soft Computing
VLSI and Embedded System
Computer Vision
Environment Sustainability
Water Management
Structural and Geo-Technical Engineering
Advanced Mechatronic Systems and control

Manufacturing

Micro/Nano Machining
Green Manufacturing
Metal Forming,
Casting & Joining Technologies
Industry 4.0
Additive Manufacturing
Subtractive Manufacturing
Non-Conventional Machining Processes
Plastic Processing Technologies
Computer integrated manufacturing
Sustainable Manufacturing Technologies

Machine Learning

AI in biomedical engineering
Bioinformatics and neurosciences
ANN and evolutionary algorithms
Genetic algorithm
Particle swarm optimization
Simulated annealing
Imaging, signal processing and text analysis
Machine learning, knowledge discovery, and data mining
Knowledge acquisition, representation and reasoning methodologies
Probability-based systems and fuzzy systems
Healthcare process management

Modelling, Analysis and Optimization

Product Design and Development
Modelling and Simulation
Optimization Techniques
Renewable Energy
Computational analysis (FEM, CFD)
Process Monitoring and Control
Vibration and Noise Analysis
Energy Analysis and HVAC
Fluid mechanics and heat transfer
Mechanical system modelling
Data acquisition
Robotic process automation
Mechanical failure detection
Process automation

Full length Manuscript Submission Deadline
30th October 2022

REGISTRATION FEES

For Oral Presentation	Indian Delegate	Foreign Delegate
UG Student	₹ 3000	75\$
Research Scholar	₹ 3500	75\$
Academia	₹ 4000	100\$
Industry	₹ 4500	125\$

IMPORTANT DATES

Full Length Paper Submission	Upto 30th October 2022
Notification of Full Length Paper Acceptance	30th November 2022
Camera Ready Paper Submission	Upto 30th December 2022
Date of Conference	2-4 February 2023

REGISTRATION DEADLINES

Early Bird Registration	30th November - 10th December 2022
Late Registration	11th December - 30th December 2022

Info & Submission

<https://easychair.org/conferences/?conf=rammml2023>

Publication

All accepted and orally presented papers of RAMMML-2023 will be published in the following Scopus Indexed Journals/ Conference Proceedings:

1. Journal of The Institution of Engineers (India): Series C (Springer)
2. Recent Advances in Materials, Manufacturing and Machine Learning (CRC Press, Taylor & Francis)
3. International Journal on Interactive Design and Manufacturing (Springer)

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<https://www.yccemech.in>

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