



**RAMMML-2023**  
**02 - 04 FEB 2023**

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

**(ONLINE MODE)**

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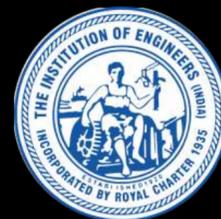
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## Publication Partners



## **Organized By**

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

<https://www.yccemech.in>

## 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)

## Contact Us

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<https://www.yccemech.in>

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