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Head of the Department (Mechanical)

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**Dr. S. Vigneshwaran** Assistant Professor/Mech  
(vigneshs10@srmist.edu.in)

**Dr. T. Vinoth** Assistant Professor/Mech  
(vinotht1@srmist.edu.in)

Registration link: <https://forms.gle/M7rfBVuEzwZpBdeP7>

## CALL FOR PAPERS

Authors willing to present their research works are informed to submit their manuscripts in the prescribed format electronically to [srmistaiims2.0@gmail.com](mailto:srmistaiims2.0@gmail.com).

Paper will be selected based on the recommendation of the review committee.

Selected papers will be published in SCIE/WoS/Scopus indexed journal/AIIMS2.0 Conference proceedings.\*

\* Conditions apply: The authors are advised to pay the processing charges directly to the journals recommended.

Conditions Apply\*

## IMPORTANT DATES TO REMEMBER

Submission of Abstract	- 13.03.2023
Submission of full paper	- 04.04.2023
Invitation of Acceptance	- 08.04.2023
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## REGISTRATION CHARGES

- \* ₹ 1000/- PER PAPER FOR STUDENTS AND FACULTIES
- \* ₹ 1500/- PER PAPER FOR INDUSTRY PARTICIPANT
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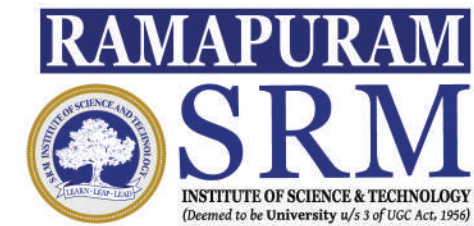
## CONTACT US

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**Dr. T. Vinoth** - +91 9487563493

## ORGANIZING COMMITTEE MEMBERS

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## SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

RAMAPURAM CAMPUS, CHENNAI - 600 089

## FACULTY OF ENGINEERING AND TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

# SECOND INTERNATIONAL CONFERENCE ON ADVANCED INTELLIGENCE & INNOVATIONS IN MECHANICAL SCIENCES, (AIMS 2.0)

**20<sup>th</sup> & 21<sup>st</sup> APRIL, 2023**



## ABOUT SRM INSTITUTE OF SCIENCE AND TECHNOLOGY (SRMIST)

SRM IST is one of the top-ranking universities in India with over 38000 students and more than 2600 faculty across all the campus, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, management, medicine, health science and science and humanities. The institute has academic tie ups with the leading foreign universities like MIT, University of California, USA and University of Dundee, Oxford university, UK. Our institute is accredited by NAAC and got placed in "A++" category under Ministry of Education (MoE, Government of India).

## ABOUT RAMAPURAM CAMPUS

A serene and charming enclave with a spread of 27 acres with all necessary facilities located within the heart of Chennai. The campus provides an adobe for Faculty of Engineering & Technology, Faculty of Science and Humanities, Dental college and school of Management. Faculty of Engineering and technology offers UG programmes in 6 branches of Engineering and PG programmes such as M.Tech, MBA and MCA and Ph.D. The institution is accredited by ISO 9001:2015. The institute has several MoU's with leading enterprises allowing to bridge the gap between academics and industry.

## ABOUT THE DEPARTMENT

Coalition excellence in Teaching and Research has been the trademark of the Department of Mechanical engineering since its inception from 2008. The department is proud of its contribution of delivering industry ready engineers, innovators and business tycoons to the society. With highly self-motivated faculty members who are actively involved in the field of research across all branches of Mechanical engineering such as Design, Manufacturing, Thermal, Production technologies are really the backbone of this department. The Department with all its potential is identified as a research department and research scholars, faculty members are pursuing their Ph.D studies.

## ABOUT THE CONFERENCE

Research in Mechanical engineering has made significant impact in the past and it is progressively marching towards the future. The goal of this international conference is to bring in all the scholars, researchers, faculty from academia, Industry experts from all over the world to discuss and present the advances in the field of Mechanical engineering and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations on the fundamentals, applications, and products of the mentioned fields. This conference will also provide an ideal environment to develop new collaborations on the fundamentals, applications, and products of the mentioned fields. This conference includes invited keynote talks by distinguished experts from industry and academia (across the globe) and number of parallel technical sessions spread over two days.

## GLIMPSE OF AIIMS 1.0

The Department of Mechanical Engineering, SRM Institute of Science and Technology (SRM IST) Ramapuram campus, Chennai, Tamil Nadu, India organized its *1<sup>st</sup> International Conference on Advanced Intelligence and Innovations in Mechanical Sciences, (AIIMS 1.0)* on 8<sup>th</sup> April, 2022 through virtual mode. Authors across India and from foreign nations presented their research works. Selected papers were published in Scopus indexed journals.

## CONFERENCE THEMES

### DESIGN ENGINEERING

- » New product development
- » Design of experiments
- » Modelling and simulation
- » Advanced materials/Novel materials
- » Fracture mechanics
- » Nano technology
- » Tribology
- » Optimization techniques

### THERMAL ENGINEERING

- » Machine learning Artificial intelligence in Heat and fluid flow
- » Turbulent transport
- » Two phase/Multiphase flows
- » Energy harvesting and storage
- » Solar energy systems
- » Alternate fuels and energy sources
- » E-vehicle/Hybrid vehicle
- » Computational fluid dynamics
- » Combustion and emission control

### MANUFACTURING

- » Modern manufacturing
- » Metal forming
- » Welding & Casting technology
- » Industrial engineering
- » AI in manufacturing
- » High entropy alloys
- » Smart materials
- » Composite materials
- » High performance materials

### INTELLIGENT SYSTEMS

- » Robotics
- » Block chain technologies
- » Data mining
- » Artificial neural networks in mechanical engineering
- » Design thinking for manufacturing excellence.

## KEYNOTE SPEAKERS

Expert members from Academia and Industry will deliver their key note lectures.

## INTERNATIONAL EXPERT MEMBERS

### Dr.A.Haiter Lenin

Professor, Department of Mechanical Engineering, WOLLO University,

### Prof. J. Paulo Davim

Professor, Department of Mechanical Engineering University of Aveiro, Portugal.

### Mr. M.Suryanarayanan

Head, Department of Design, WIPAC LTD, London Road, Buckingham, UK.

### Dr. Jolius Gim bun

Associate Professor, University Malaysia Pahang

### Dr. Turnad Lenggo Ginta

Senior lecturer, University Teknologi PETRONOS

### Dr. Mohd sapuan bin salit

Professor, HoD, Department of Mechanical Engineering Universiti Putra Malaysi.

### Dr. R. Palanivel

Assistant Professor, Department of Mechanical Engineering, College of Engineering, Shaqra University, Saudi Arabia.

## NATIONAL EXPERT MEMBERS

### Dr. K.V. Gangadharan

Professor, Department of Mechanical Engineering National Institute of Technology, Karnataka.

### Dr. A. Siddharthan

Associate Professor, Department of Production Technology Madras Institute of Technology, Chennai

### Dr. R. Jeyapaul

Professor, Department of Production Engineering National Institute of Technology, Tiruchirappalli.

### Dr. P. Asokan

Professor, Department of Production Engineering National Institute of Technology, Tiruchirappalli.

### Dr. T. Jagadeesha

Associate Professor, Department of Mechanical Engineering National Institute of Technology, Calicut.

### Dr. S. Vedharaj

Assistant Professor, Department of Mechanical Engineering National Institute of Technology, Tiruchirappalli.

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Assistant Professor, Department of Mechanical Engineering National Institute of Technology, Tiruchirappalli.

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Assistant Professor, Department of Mechanical Engineering National Institute of Technology, Agartala.

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**Dr. T. Vinoth** Assistant Professor – Mech (vinoth1@srmist.edu.in)  
**Dr. A. Mathivanan** Associate Professor – Mech (mathivaa@srmist.edu.in)  
**Dr. G. Swaminathan** Assistant Professor – Mech (swaminag@srmist.edu.in)

Authors willing to present their research works are informed to submit their manuscripts in the prescribed format electronically to [srmistaiims2.0@gmail.com](mailto:srmistaiims2.0@gmail.com)

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