



**N.I.T.
HAMIRPUR**



2nd International Conference on Emerging Aspects of
MANUFACTURING, THERMAL and DESIGN
Engineering



**PROF. H.M.
SURYAWANSHI**

Chief Patron, MATHED-2024
Director, N.I.T. Hamirpur

MATHED-2024

16th- 18th, DECEMBER
AUGUST

VIRTUAL & OFFLINE



DR. PRASHANT KUMAR

Patron, MATHED-2024
Head, DoME, N.I.T. Hamirpur



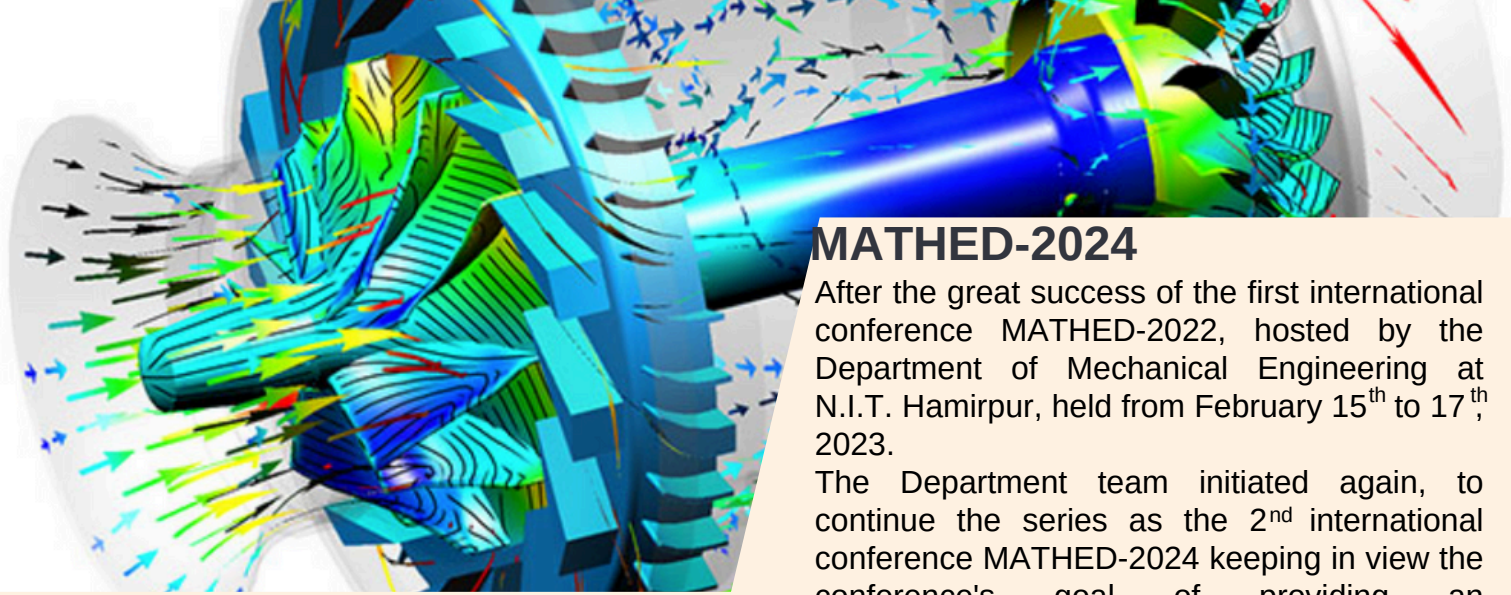
DR. SANT RAM CHAUHAN

Chairman, MATHED-2024
N.I.T. Hamirpur

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Department of Mechanical Engineering
NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR



MATHED-2024

After the great success of the first international conference MATHED-2022, hosted by the Department of Mechanical Engineering at N.I.T. Hamirpur, held from February 15th to 17th, 2023.

The Department team initiated again, to continue the series as the 2nd international conference MATHED-2024 keeping in view the conference's goal of providing an interdisciplinary platform and collaboration in solving real-world problems. Eminent personalities and delegates from various Industries, Professional Colleges, Universities, and Research Organizations from all over the country and abroad.

N.I.T. HAMIRPUR

National Institute of Technology Hamirpur is one of the thirty-one NITs of the country, which came into existence on 7th August 1986 as Regional Engineering College, a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh.

On 26th June 2002, REC Hamirpur was awarded the status of Deemed University and upgraded to National Institute of Technology. NIT Hamirpur is an institute of National importance set up by an act of Parliament, namely the National Institute of Technology Act 2007 which received the accent of the President of India on 5th June, 2007. The Institute offers Bachelor, Master, and Doctoral programmes in Engineering, Sciences, Architecture, Management, and Humanities.

Importance Dates

: on or before

- Submission of the first draft full paper : Nov. 20, 2024
April 30, 2024
- Completion of the review of the first draft full paper : Nov. 30, 2024
May 30, 2024
- Notification of acceptance of papers : Dec. 5, 2024
June 15, 2024

Conference themes include three different core streams of Mechanical Engineering with Fundamental, Numerical / Computational and Application, but are not limited, to the following:

Manufacturing

- Artificial Intelligence in Manufacturing
- Automation and Production Control
- Computer-Based Manufacturing Technologies
- Machining Processes
- Mechatronics and Robotics
- Nanomaterials and Nanomanufacturing
- Rapid Manufacturing Technologies and Prototyping
- Robust Design and Quality Engineering
- Supply Chain Systems


Thermal

- Computational Fluid Mechanics
- Micro, Nano-scale Transport
- Turbomachinery
- Propulsion and Power
- Heat and Mass Transfer
- Renewable Energy
- IC Engines and Biofuels
- Flow Measurement and Flow Visualization
- Circular Economy and Sustainability
- Nanofluids

Design

- Applied and Computational Mechanics
- Finite Element Modelling and Simulations
- Extended FEM, Meshfree Methods
- Engineering System Design
- Fracture Mechanics/Solid Mechanics/automotive Mechanics, Fatigue and Failure of Components
- Tribology and Contact Mechanics
- Vibration, Acoustics, Noise and Control, Condition Monitoring

MATHED-2024

Submission  Registration



GLIMPSE MATHED-2023

MATHED-2024 SPEAKERS

PROF. HARJIT SINGH

Dept. of Mechanical Engg.,
Brunel University London
UK

PROF. KISHOR KR. SADASIVUNI,

Center of Advanced Materials,
Qatar University Qatar

PROF. J RAMKUMAR

Dept. of Mechanical Engg.,
IIT Kanpur, UP-India

PROF. P. MUTHUKUMAR

Dept. of Mechanical Engg.,
I.I.T. Guwahati, AS-India

PROF. ANANDAROOP BHATTACHARYA

Dept. of Mechanical Engg.,
I.I.T. Kharagpur, WB-India

PROF. PAVAN KANKAR

Dept. of Mechanical Engg.,
IIT Indore, MP-India

PROF. V. K. GUPTA

Dept. of Mechanical Engg.,
IIITDM Jabalpur, MP-India

PROF. MEDHAT M. ELKELAWY

Dept. of Mechanical Engg., Tanta
University, Egypt

PROF. RAMESH SINGH

Dept. of Mechanical Engg.
IIT Bombay, Mumbai-India

PROF. MUKUL SHUKLA

Dept. of Mechanical Engg.,
MNNIT Allahabad, UP-India

PROF. INDERDEEP SINGH

Dept. of Mechanical Engg.,
IIT Roorkee-India

DR. LALTU CHANDRA

Dept. of Sustainable Energy
Engg.,
I.I.T. Kanpur, UP-India

MATHED-2024

Organizing  Committee

TREASURER



DR. MOHIT PANT

Associate Professor
Dept. of Mechanical Engg.
N.I.T. Hamirpur

Himachal Pradesh is also known as Dev Bhoomi meaning 'Land of Gods', and popularly renowned for its Himalayan landscapes and popular hill-stations.

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ORGANIZING SECRETARY



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MECHANICAL DEPT.

The Department of Mechanical Engineering has evolved into one of the finest in terms of teaching curriculum and methodology supported by a well-organized and adequately funded research program. The Department has a very well-established B. Tech. program complemented by three M. Tech. programs in Design, Thermal, and Manufacturing.

MATHED-2024

16th - 18th Dec. 2024

SCAN HERE



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