



**1ST International Conference on
Sustainable Energy, Materials and
Techniques
(iCSEMT-2027)
28th – 30th May, 2027**



**Organized by
Department of Mechanical Engineering**

**Dr. B. R. Ambedkar
National Institute of Technology Jalandhar,
G.T. Road Bypass, 144008, Punjab, India**

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To be Announced.....

About NIT Jalandhar

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (erstwhile REC Jalandhar), was established in the year 1987 and attained the status of National Institute of Technology on October 17, 2002. As National Institute of Technology, the Institute has a responsibility of providing high quality technical education in Engineering and Technology to produce competent technical manpower for the country. The Institute offers B. Tech. Programme in nine disciplines of Engineering and Technology along with the Research Programmes leading to M. Tech. and Ph. D. degree.

About Conference

The International Conference on Sustainable Energy, Materials and Techniques provides a premier platform for scholars, researchers, industry experts, and policymakers to exchange knowledge on cutting-edge developments in thermal engineering, sustainable energy and advance materials. Addressing the global demand for efficient, eco-friendly energy systems, the conference emphasizes advances in energy conversion, heat and mass transfer, renewable and alternative fuels, hydrogen, biofuels, clean combustion, waste heat recovery, energy storage, and smart grids. By promoting interdisciplinary collaboration between academia and industry, it aims to drive innovation, enhance energy security, and support the global transition toward sustainability and a low-carbon future.

Programme features

- Expert-Led Sessions by Renowned National and International Speakers.
- Interdisciplinary and Multidisciplinary Scientific Presentations and Discussions.
- Insightful Panel Discussions to Stimulate Future Research and Innovation.
- Integration of Research, Innovation, and Teaching Practices.
- Extensive Networking Opportunities with Academia and Industry.
- Career Development and Exploration of National and

Conference Tracks

Track 1

Thermal-Fluid Techniques for Sustainable Energy Systems

- Advanced Heat Transfer for Energy Applications:
- Multiphase & Micro-Scale Transport
- Thermal Management of Energy Systems
- Computational Techniques
- Experimental Techniques

Track 2

Sustainable Energy Systems & Technologies

- Renewable Energy Systems
- Energy Storage Integration
- Power Cycles & Conversion
- Building & Industrial Efficiency
- Decarbonization & Policy

Track 3

Combustion, Fuels & Advanced Engines

- Combustion Fundamentals
- Alternative Fuels
- IC Engines & Gas Turbines
- Advanced Combustion Strategies
- Emissions Control

Track 4

Advanced Materials, Manufacturing & Sustainability

- Energy Storage Materials
- Thermal Materials
- High-Temperature & Coating Materials:
- Sustainable Materials
- Clean Tech Materials
- Manufacturing & Characterization Techniques

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Key Note/ Invited Speakers



Prof. K A Subramanian,

(Department of Energy Science and Engineering, IIT Delhi)



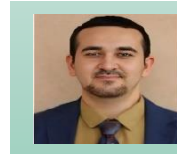
Prof. Amit Dhir

(School of Energy and Environment, Thapar Institute, Patiala)



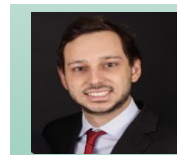
Dr. G Nataraj

(School of Mechanical Engineering, VIT, Vellore)



Dr. Mustafa Yavuz

(Faculty of Science and Engineering, University of Liverpool)



Dr. Giovanni Dambros Telli

(University of Caxias do Sulde, Brazil)

Abstract Submission Link

<https://cmt3.research.microsoft.com/ICSEMT2027>

QR Code for Submission



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Registration link:

To be updated soon...

Important Dates

Call for Papers (Abstracts Open)	January 18 th , 2027
Abstract Submission Deadline	March 5 th , 2027
Abstract Acceptance Notification	March 15 th , 2027
Full Paper Submission Deadline	April 10 th , 2027
Peer Review Decision	April 30 th , 2027
Camera-Ready Paper Deadline	May 10 th , 2027
Registration Deadline	May 15 th , 2027

Registration fees excluding 18% GST

Registration Details

Sr. No.	Category	Offline	Online
1	PhD / PG / UG Research Scholar (External)	₹2500	₹2000
2	NITJ PhD / PG / UG Research Scholar	₹2000	₹1500
3	Faculty / Industry	₹4000	₹3500
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5	Foreign Faculty / Industry	\$150	\$100
6	Foreign Student	\$100	\$50

Note: The fee is for registration only and does not include publication charges.