

ICMSE-2023 Conference

Department of Mechanical Engineering under the aegis of NITJ is organizing the 3rd International Conference on Materials Science & Engineering (ICMSE) from Nov. 23-25, 2023. The present conference aims at providing a leading forum for sharing original research contributions and practical developments in the field of Materials Science and Engineering so as to contribute its share for technological advancements. Globalization provides all around development and this development is impossible without technological contributions. Hence, the present conference aims at providing a leading forum for sharing original research contributions and practical developments in the field of Materials so as to contribute its share for technological advancements.

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

The Institute is named after Bharat Ratan Dr B. R. Ambedkar, founder of Indian Constitution. The institute came into existence in the year 1988 as Regional Engineering College on a beautiful campus of about 154 acres close to the heart of Jalandhar city. The institute obtained the status "Institute of National Importance" by Act of Parliament in 2007. The institute is located on the G.T Road Amritsar bye-pass at a distance of 15 km from Jalandhar Bus Stand, 12 km from Jalandhar City Railway Station, and 18 km from Jalandhar Cantt. railway station. The institute is well connected to the National Capital through rail and road link. The institute is ranked 52 in the NIRF ranking 2022.

Department of Mechanical Engineering

The Department of Mechanical engineering was founded in 1990 and has grown as one of the dynamic departments of the Institute over the last three decades. The department offers B Tech, M Tech (Design & Thermal) and PhD programmes. The B.Tech program is accredited by the NBA.

Call for Papers

The organizers invite papers from students, teachers, scientists and researchers in academia and industry to present the results of their research and development efforts in the field of Materials Science & Engineering.

Papers must report original academic or industrial research in any of the following topics not limited to but relevant to the conference.

1. *Materials Science & Engineering*
2. *Nanoscience and Nanotechnology*
3. *Biomaterials*
4. *Advanced Materials*
5. *Energy Materials*
6. *Composite Materials*
7. *Polymer Materials*
8. *Materials Characterization*
9. *Materials Chemistry*
10. *Materials Physics*
11. *Structural and Nano-structural Materials*
12. *Graphene, Carbon and 2-D Materials*
13. *Computational Materials Science*
14. *Electronic, Optical, and Magnetic Materials*
15. *Dielectric and Piezoelectric Materials*
16. *Materials for Green Technology*
17. *Batteries and Solid Electrolyte Materials*
18. *Materials Synthesis and Processing*
19. *Materials & Metallurgy*
20. *Glass-based Materials*
21. *Bio-inspired Materials*
22. *Innovations in Materials Manufacturing*
23. *Metal Casting*
24. *Crystallography*
25. *Condensed Matter Physics*
26. *Semiconductors and Superconductors*
27. *Mineralogy*
28. *Optics*

Author Guidelines

The presenters should submit their paper with Times New Roman, 12 point, fonts in Windows-based Microsoft Word (.doc / .docx) document by attaching an e-mail to icmse2023@nitj.ac.in by mentioning the **Title of manuscript** in the mail subject with other relevant details.

The manuscript shall be reviewed by a peer committee. Selected manuscripts will be accepted for oral presentation. After the conference, the authors are required to submit the full paper again through the link provided by Materials Today Proceedings. All the templates and detailed guidelines are available at website

(<https://www.nitj.ac.in/ICMSE2023/>). All the presented papers will be published in **MATERIALS TODAY PROCEEDINGS**, A Scopus Indexed Journal.

Registration Fees

At least one author of each accepted paper must register by Nov 1st, 2023 in order for the paper to be included in the conference.

Registration Details

The registration fees for the conference:

1. Students (Attendee only with no publication):
From NITJ= ₹ 1,000, Outside NITJ= ₹ 1180 (including GST @18%)
2. Faculty (Attendee only with no publication):
From NITJ= ₹ 1500, Outside NITJ= ₹ 1770 (including GST @18%)
3. Students (with publication)
From NITJ= ₹ 4500, Outside NITJ= ₹ 5310 (including GST @18%)
4. Faculty (with publication)
From NITJ= ₹ 5000, Outside NITJ= ₹ 5900 (including GST@18%)
5. Participants from Industry (with publication):
₹ 7080 (including GST@18%)
6. Participants from abroad (outside India) with publication:
USD 118 (including GST@18%)
7. Participants from abroad (outside India) (attendee only):
USD 59 (including GST@18%)

Important Dates

Paper Submission Starts	February 01, 2023
Paper Submission Ends	September 30, 2023
Acceptance of Paper/	October 01, 2023
Author Registration Starts	
Author Registration Ends	Nov 01, 2023

Organizing Committee

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Prof. BK Kanaujia, Director, NIT Jalandhar

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- Prof. S. P. Singh, NIT Jalandhar

International Advisory Committee

- To be updated soon

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Payment of Fees:

The fee payment should be made in the following account only through the link which has been given below.

Account Name: NITJ CCE

Account Number: 50100324249116

IFSC Code: HDFC0000046

Link for payment:

https://www.nitj.ac.in/events_registration/icmse2023/login

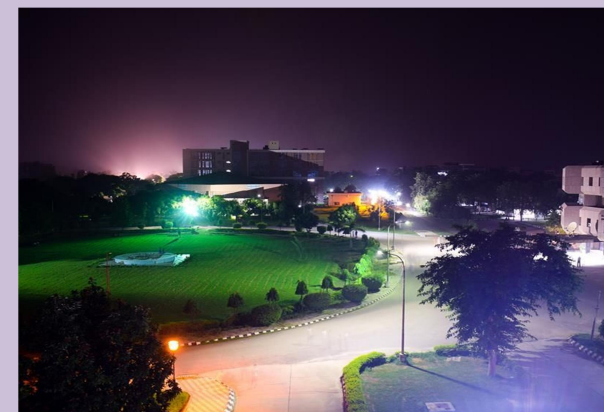
For further details, please visit the conference website:

<https://www.nitj.ac.in/ICMSE2023/>

We request you to have a regular watch on our Conference website for updates.

**3RD INTERNATIONAL CONFERENCE
ON
MATERIALS SCIENCE &
ENGINEERING**

NOV 23-25, 2023



Organized by:

**Department of Mechanical Engineering
Dr B R Ambedkar National Institute
of Technology
JALANDHAR-144027
PUNJAB, INDIA**