

**3<sup>rd</sup> International Conference**  
*on*  
***“Advancement in  
Materials Processing Technology”***  
**(Hybrid Mode)**



**AMPT-2023**  
**13<sup>th</sup>-14<sup>th</sup> July 2023**  
**(revised)**

*Organized by*



**Fourth Circular**  
**(Dates extended)**

Department of Metallurgical and Materials Engineering,  
NATIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR  
JHARKHAND-831014, INDIA

## About Institute

**National Institute of Technology, Jamshedpur** earlier known as Regional Institute of Technology was established on **15<sup>th</sup> August 1960**. It was among the first eight Regional Engineering Colleges (RECs) established as part of the Second Five-Year Plan (1956 - 1961). **On 27<sup>th</sup> December 2002, RIT Jamshedpur was converted to National Institute of Technology Jamshedpur** as per the decision of Govt. of India. Currently, NIT Jamshedpur is an institute of National Importance governed by ministry of education (MoE). It is located on the outskirts of Jamshedpur on 341.3 acres of sprawling, rolling hilly, wooded land. It combines natural beauty of countryside with urban glamour of an industrial area, situated in the heart of the rich mineral and industrial belt of Jharkhand State. The institute is strategically located with the unique advantage of being surrounded by giant and medium scale industries like Tata Steel, Tata Motors, Indian Steel Wire Products, Tata Tubes, Tinsplate Company, Tata Timken etc. and reputed organizations like the National Metallurgical Laboratory, Xavier Labor Relations Institute and National Institute of Foundry and Forge Technology, Ranchi.

## About the Department

The Department of Metallurgical and Materials Engineering was amongst the four branches with which the institute was initially launched in 1960, with increasing focus on: Materials Technology, Foundry Technology, Iron & Steel, Nanotechnology, Mineral Beneficiation and the R&D work being carried out in these fields in the metallurgical sector, Materials Engineering was included in the curriculum of the department in 1995. There are M.Tech course on Industrial Metallurgy.

# Topics

- ✓ Advanced Material [Engineering materials/Composite/Smart/Nano-materials/Bio-Materials/Functional/Multifunctional/Functionally graded, Electrical and Electronic device materials etc.]
- ✓ Materials Processing
- ✓ Metal Casting and Forming
- ✓ Mineral Beneficiation/Mineral Processing/Sustainable coal use and clean coal technology
- ✓ Circular economy (Recycling and Waste Recovery)
- ✓ Energy Materials
- ✓ Green building materials/Green Manufacturing
- ✓ Modelling and Simulation, 3D-Printing
- ✓ High Entropy Alloys

## Call for Research Papers

All faculty members/research scholars/ scientists/ industry members and professional working in the above mentioned areas are invited to submit their original & unpublished research papers.

Selected Abstract/Extended Abstract shall be encouraged for submission of full paper to AMPT-2023 and selected research papers will be published book chapter of springer proceedings. (All the peer reviewed and selected papers from our previous conference AMPT 2020 was published in springer proceedings <https://link.springer.com/book/10.1007/978-981-16-3297-6>)

Candidates can also register for poster display and presentation (Height-100cm \* width- 85cm)

### **NOTE:**

The final decision regarding acceptance or rejection of a manuscript shall be taken by the Editorial Board of AMPT 2023 and the respective Journals.

## Key Dates

Last Date for Abstract Submission	20 <sup>th</sup> May 2023 (revised)
Intimation of Selected Abstracts	25 <sup>th</sup> May 2023 (revised)
Last Date for Paper Submission	15 <sup>th</sup> June 2023 (revised)
Last Date For Registration	25 <sup>th</sup> June 2023 (revised)

## Registration for Conference

### Fee Details:

Indian Nationals (INR)	Offline	Online
Faculty, Scientists, and Post-Doctoral Fellows	5000/-	2500/-
Industry Fellows	7000/-	3500/-
Research Scholars/Students	2000/-	1000/-
Accompanying Person	1000/-	
Foreign Delegates (USD)	200	100

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Sponsor for each lunch/dinner	1,50,000/-
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# How to Reach the Institute

The institute is well connected by Air, Rail and Bus. Ranchi airport is about 140 kms from the institute and takes 3 hours to reach by bus. NIT Jamshedpur campus is about 10 km from TATA railway station and bus stand.

## Visiting Places Nearby



Jubilee Park is an urban park located in the city of Jamshedpur near Sakchi. It is popular destination for all those who wish to have an outdoor picnic. The presence of Amusement park, Jayanti Sarovar, Rose Garden is part of the reason why this park is such famous.

Tata Steel Zoological Park is situated in the corner most area of Jubilee park. This zoo is known for its safari park. Major attraction being Mandrill, African Lions, deer, white tiger, Zebra and butterfly park.



Dimna Lake in Jamshedpur is an ideal place to spend your day. Situated at a mere distance of 13 km away from Jamshedpur city area, it is close to Dalma Wildlife Sanctuary. An artificial lake, it is located at foothills of the Dalma mountain range and famous for pleasant greenery.

Dalma Wildlife Sanctuary is located 10 km from city of Jamshedpur. It is a notable wildlife sanctuary and contains significant population of Indian Elephants. The wildlife sanctuary has elephants, barking deer, sloth bear and porcupines. Another attraction here is a temple dedicated to Lord shiva





# *Address for Communication*

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AMPT-2023

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Engineering,

**Google link for abstract submission:**

<https://docs.google.com/forms/d/e/1FAIpQLSf0krFo982M8pHH7pxeCjDW1vmLXjBCIr3wZzBf9shpQktoeQ/viewform>

**Google link for paper submission and registration:**

<https://forms.gle/qFZYY4QHmYRfJgdj9>

**Important link for updates about conference:**

<https://drive.google.com/drive/folders/1eKKUCWBjpPzslLwQBwD6xeOU12Cb1stW?usp=sharing>

**NOTE:** Abstract and paper can also be submitted through email at [ampt@nitjsr.ac.in](mailto:ampt@nitjsr.ac.in) before deadline.

## *Contact Details*

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- **Conference Authorities**

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