

# **NMD ATM 2021**

## **75<sup>TH</sup> ANNUAL TECHNICAL MEETING OF THE INDIAN INSTITUTE OF METALS**

13<sup>th</sup> November 2021 : International Conference Virtual

14<sup>th</sup> and 15<sup>th</sup> November 2021: 75<sup>th</sup> Annual Technical  
Meeting (ATM) Virtual

February 2022 – 59<sup>th</sup> National  
Metallurgists' Day (NMD)



**IIM ATM**  
**2021 & International  
Conference**

By:  
Jamshedpur and Kolkata chapters of The Indian  
Institute of Metals in association with Tata Steel Ltd.

**First Announcement and Call for Abstracts**



# **ABOUT THE INDIAN INSTITUTE OF METALS (IIM)**

The idea for the formation of The Indian Institute of Metals was initiated in 1945 and the final shape took place in the year 1947. Over the years, the institute has seen phenomenal growth. The scope of the institute includes activities encompassing the whole gamut of metallurgical processing research and advancements. This professional body caters to the needs of Metallurgical Engineers and Material Scientists at large who are working in the areas of mineral beneficiation, extraction, fabrication, heat treatment, finishing as well as practical and theoretical aspects of all Ferrous and Non-Ferrous metals and alloys, ceramics, composites and other disciplines. The activities of the institute include organising national and international conferences and programs, conducting qualifying examinations, publications etc. Starting with a modest membership of 42, the IIM membership now stands at more than 10,000 drawn from various fields of metallurgical activities. The institute has grown into a reputed institution and is now recognised throughout the world as one of the premier metallurgical organisations.

## **59<sup>TH</sup> NATIONAL METALLURGISTS' DAY (NMD)**

The 59<sup>th</sup> National Metallurgists' Day will be organised in February 2022 along with the valedictory function of the institute's platinum jubilee. As a tribute to the important role played by the metallurgists in the country's economic development, the National Metallurgists' Day Awards Scheme, instituted by the Ministry of Steel & Mines, Govt. of India in 1962, presently under the aegis of the Ministry of Steel, Govt. of India, to honour the distinguished Metallurgists of India for their immense contributions, the NMD awards will be conferred during the program. The delegates who will be registering for the November 2021 program, will be automatically registered for the February 2022 program.

# 75<sup>TH</sup> ANNUAL TECHNICAL MEETING (ATM)

The Institute is celebrating its 75 years of its service to the nation through a year-long bouquet of events. As a part of the annual event, ATM presentations will be conducted on 14<sup>th</sup> and 15<sup>th</sup> of November 2021 in the virtual platform. The scope of ATM encompasses modelling, mineral extraction and beneficiation, manufacturing of Ferrous, Non - Ferrous and other materials, development and characterization of products, environment and other sustainability issues, corrosion, tribology, surface engineering, joining technologies, casting, powder metallurgy, non-destructive testing, emerging technologies, industry automation etc. Students are encouraged to participate in large numbers. The IIM awards for the year 2021 will be conferred during the event.

## INTERNATIONAL CONFERENCE

An International Conference titled “**Advanced materials manufacturing for sustainable future**” is being organised by the Indian Institute of Metals, which will cover presentations in the area

- (a) Material synthesis/development/design;
- (b) Modern application development and trends and;
- (c) a panel discussion on Sustainability (cradle to grave) covering Ferrous, Non-Ferrous and new advanced materials such as thermoplastics/ thermoset composites/ ceramics.

It would be a one-day online event on 13<sup>th</sup> November 2021 and invited papers will be presented by world renowned academicians, professionals and industry leaders from India and abroad.





## ATM THEMES

This year eight parallel sessions and a common poster session will be conducted which will broadly include the following themes:

- Raw Materials
- Ferrous Process Metallurgy
- Products
- Non-Ferrous Metals
- Energy, Environment and Waste Utilization
- Advances in Materials Science and Technology
- Industry 4.0
- Safety

## CALL FOR ABSTRACTS

Abstracts of up to 300 words in length are invited from authors for oral and poster presentation in eight parallel sessions. The template for the abstract can be downloaded from the conference website **nmdatm2021.nowvirtual.live**. Online submission of abstracts will open from 7<sup>th</sup> of July 2021. The last date for abstract submission is 31<sup>st</sup> of August 2021.

## METALLOGRAPHY CONTEST

Contestants who are registered delegates may submit entries in one of the following categories:

1. Light Microscopy
2. Scanning Electron Microscopy
3. Transmission Electron Microscopy
4. Advanced Techniques (3D Tomography, APT, AFM, SPM, etc.)

The contestants must carefully choose and specify the category of the entry. No reclassification will be done by the contestants afterwards. The micrographs may be in colour or in black and white. Prizes for best metallographs will be decided on the basis of technical content and expertise of the technique. Detailed instructions for preparation of the entries can be found on the conference website.

# NATIONAL ORGANISING COMMITTEE

Chairman: **T V Narendran**, President IIM and CEO & MD, Tata Steel Ltd.

Co-Chairman: **S V Kamat**, Vice President & Chairman, Metal Science Division and Distinguished Scientist and Director General Naval Systems and Materials, DRDO

Convener: **Sudhansu Pathak**, Vice President, Tata Steel

Co-Convener: **Debashish Bhattacharjee**, Vice President, Tata Steel

# CORE ORGANISING COMMITTEE

Chairman: **Sudhansu Pathak**, Tata Steel

Co- Chairman: **Debashish Bhattacharjee**, Tata Steel

Convener: **Tanmay Bhattacharyya**, Tata Steel

Co- Convener: **Mita Tarafder**, CSIR-NML

Treasurer: **Prem Ganesh**, Tata Steel

Co- Treasurer: **Arthita Dey**, Tata Steel







## Registration

Delegates are requested to register online. Registration fees can be paid by electronic fund transfer. The online transfer details are given below. The delegates who will be registering for the November 2021 program, will be automatically registered for the February 2022 program.

## Registration Fees\*

Category	Amount (Rs)	Amount (USD)
IIM Non Member	9,000	200
IIM Member	7,000	150
IIM Member (Retired from service)	3,000	42
Student Delegates (Under Graduate)	1,500	65
Student Delegates (Post Graduate)	2,500	100

\* (Exclusive of 18% GST)

## Online Transfer Details:

A/C Number: **40188975510**  
 Bank Name: **State Bank of India**  
**XLRI, Jamshedpur Branch**  
 Account Name: **IIM NMD-ATM 2021**  
 Account Type: **Current**  
 IFSC Code: **SBIN0004660**  
 MICR Code: **831002019**  
 Swift Code: **SBININBB164**  
 PAN of the Indian Institute of Metals:  
**AAATT3359D**  
 GSTIN: **20AAATT3359D1ZW**

# Advertisements in Souvenir\*

Advertisements are solicited for insertion in the commemorative Souvenir that will be published and released on **14<sup>th</sup> November 2021**. The souvenir will feature miscellaneous articles, information about sponsors etc.

Position	Amount (Rs)
Outside Back Cover Page (Colour)	50,000
Inside Cover Page (Colour)	40,000
Full Page (Colour)	25,000
Half Page (Colour)	20,000

\* (Exclusive of 18% GST)

## Technical Exhibition

ATM 2021 will organise technical exhibition during **13<sup>th</sup> to 15<sup>th</sup> November, 2021** on a highly interactive virtual platform in which various organisations and industries will get an opportunity to display their state-of-the-art products and technologies to the largest gathering of Metallurgical and Material Engineering community. The charge per exhibitor will be Rs. 1,00, 000 (or USD 2,000) + 18% GST. For more details, please visit the conference website.





# Sponsorship

Sponsorships are solicited from Government organisations, commercial establishments and research laboratories who wish to sponsor various events/functions during the ATM celebrations. Different categories of sponsorship rates and complimentary benefits are listed below:

## Platinum Sponsor (Rs. 10,00,000 or USD 20,000)

- Full page colour advertisement in the souvenir
- One page sponsor profile in the souvenir
- Complimentary registration of up to 8 delegates for the event
- Recognition as a platinum sponsor on conference website and all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner
- Logo presence in the holding slides throughout the event

## Diamond Sponsor (Rs. 7,50,000 or USD 15,000)

- Full page colour advertisement in the souvenir
- Complimentary registration of up to 6 delegates for the event
- Recognition as a diamond sponsor on conference website and all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner
- Logo presence in the holding slides throughout the event

## Gold Sponsor (Rs. 5,00,000 or USD 10,000)

- Full page colour advertisement in the souvenir
- Complimentary registration of up to 4 delegates for the event
- Recognition as a gold sponsor on conference website and all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner
- Logo presence in the holding slides throughout the event

## Silver Sponsor (Rs. 3,00,000 or USD 6,000)

- Full page colour advertisement in the souvenir
- Complimentary registration of up to 3 delegates for the event
- Recognition as a silver sponsor on conference website and all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner
- Logo presence in the holding slides throughout the event

## Session Sponsorship (Rs. 1,00,000 or USD 2,000)

- Full page colour advertisement in the souvenir
- Complimentary registration of up to 1 delegate for the event
- Welcome signage for the particular session will carry the logo of the sponsor

\*All the fees are exclusive of 18% GST





# Central Secretariat

## **Dr Tanmay Bhattacharyya**

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