

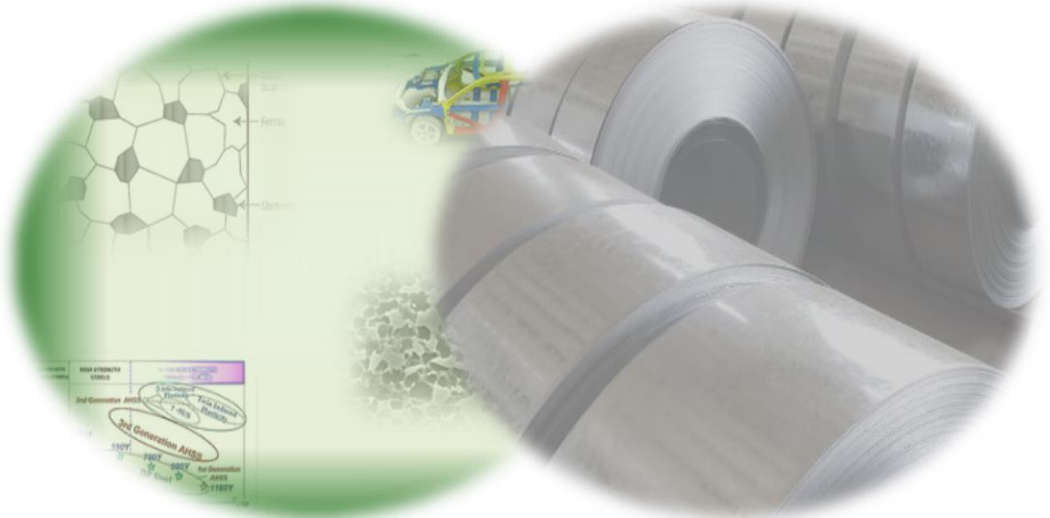
**The Indian Institute of Metals**



**IIM**  
Metallurgy  
Materials Engineering



Ministry of Steel  
Government of India



**NMD ATM 2018**

---

**KOLKATA**

***56<sup>th</sup> National Metallurgists' Day***

***(Under the aegis of Government of India, Ministry of Steel)***

**&**

***72<sup>nd</sup> Annual Technical Meeting of the Indian Institute of Metals***

**November 14 -16, 2018**

**Kolkata, India**

**Organized by: IIM Jamshedpur, Kolkata, Kharagpur Chapters and Tata Steel**



**Final Announcement**

## Venue: Hotel JW Marriott, Kolkata

Hotel JW Marriott, Kolkata is the venue for the 56<sup>th</sup> National Metallurgists' Day (NMD) and the 72<sup>nd</sup> Annual Technical Meeting (ATM) of the Indian Institute of Metals (IIM).

## About the Indian Institute of Metals

Although the idea for the formation of The Indian Institute of Metals was initiated in 1945, the final shape took place in the year 1947. Since then, 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 organizing 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 recognized throughout the world as one of the premier metallurgical organization.

## 56<sup>th</sup> National Metallurgists' Day

This year the 56<sup>th</sup> National Metallurgists' Day will be celebrated on 14<sup>th</sup> of November 2018. 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 presented on 14<sup>th</sup> of November 2018.

## 72<sup>nd</sup> Annual Technical Meeting (ATM)

As a part of the annual event, ATM presentations will be conducted on 15<sup>th</sup> and 16<sup>th</sup> of November 2018. 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.

### ATM Themes

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

- **Raw Materials**

*(Leaders: Dr. A.K. Mukherjee (Tata Steel); Dr. S.K. Pan (RDCIS); Mr. Prashant Dixit (Tata Steel))*

- **Process Metallurgy**

*(Leaders: Dr. D. Bandyopadhyay (CSIR-NML); Dr. T.K. Roy (Tata Steel); Mr. A. Tiwari (Tata Steel); Dr. J. Pal (CSIR-NML))*

- **Products**

*(Leaders: Dr. S.G. Chowdhury (CSIR-NML); Dr. B. Bhattacharya (Tata Steel); Prof. D. Chakrabarti (IIT Kharagpur))*

- **Non-ferrous Metals**

*(Leaders: Dr. K.K. Sahu (CSIR-NML); Dr. D. Mishra (CSIR-NML))*

- **Energy, Environment and Waste Utilization**

*(Leaders: Dr. S. Sarkar (Tata Steel); Prof. A. Gupta (IEST, Shibpur); Dr. Santanu Sarkar (Tata Steel))*

- **Advances in Materials Science**

*(Leaders: Dr. Monojit Dutta (Tata Steel); Prof. M. Ghosh (IEST, Shibpur); Prof. Tapas Laha (IIT Kharagpur); Dr. Atanu Banerjee (Tata Steel); Mr. Y. Deo (Tata Steel))*

- **Industry 4.0**

*(Leaders: Mr. Anurag Agnihotri (Tata Steel))*

# Committees

## PATRONS

Mr. T.V. Narendran, CEO & MD, Tata Steel	Mr. Baba N. Kalyani, CMD, Bharat Forge Ltd
Mr. Sajjan Jindal, CMD, JSW Steel Ltd.	Mr. Santosh Sharma, CEO, Hindustan Copper Ltd.
Mr. Anil Agarwal, Chairman, Vedanta Resources Plc	Mr. Kumar Mangalam Birla, Chairman, Aditya Birla Group
Mr. Debu Bhattacharya, Vice Chairman, HINDALCO	Mr. Prakash Kumar Singh, Chairman, SAIL
Dr. Girish Sahni, Director General, CSIR	Dr. S. Basu, Chairman, Atomic Energy Commission
Dr. K. Sivan, Chairman, ISRO	Mr. Sunil Duggal , CEO, Hindustan Zinc
Mr. P.K. Rath, CMD, RINL, Visakhapatnam	Mr. Suvarna Raju T, CMD, HAL
Mr. R.M. Dastur, CMD, M.N. Dastur	Mr. N. Bajendra Kumar, CMD, NMDC
Professor P.P. Chakraborty, Director, IIT Kharagpur	Mr. Ved Prakash, CMD, Metals & Minerals Trading Corp Ltd

## ADVISORY COMMITTEE OF FORMER PRESIDENTS

Mr. R.N. Parbat	Professor S. Ranganathan	Dr. L. Pugazhenty
Mr. Sanak K. Mishra	Dr. D. Banerjee	Mr. M. Narayana Rao
Mr. H.M. Nerurkar	Professor K. Chattopadhyay	Mr. S.S. Mohanty
Dr. Biswajit Basu		

## NATIONAL STEERING COMMITTEE

Chairman: Dr. Biswajit Basu, Aditya Birla Science & Technology Co. Pvt. Ltd.		
Co-Chairman: Mr. Anand Sen, President TQM & Steel Business, Tata Steel		
Convener: Mr. Kushal Saha, Secretary General, IIM		
Mr. R.N. Murthy, ED TCIL	Mr. S.K. Pattnaik, Tata Sponge	Dr. A.K. Bhaduri, IGCAR
Mr. A.K. Rath, Durgapur Steel	Mr. Anirban Dasgupta,CEO, SAIL, IISCO	Dr K. Muralidharan, CGCRI
Mr. M Ravi, Bhilai Steel	Mr. Ashwini Kumar, Rourkela Steel	Dr. K.N. Vyas, BARC
Mr. Satish Pai, HINDALCO	Mr. Kishore Kumar, Sesa Goa, Vedanta	Professor G.G. Roy, IIT Kharagpur
Professor Suranjan Das, VC, Jadavpur University	Dr. I. Chattoraj, CSIR-NML	Professor P.P. Chakraborty, Director IIT Kharagpur

## NATIONAL ORGANISING COMMITTEE

Chairman: Mr. Anand Sen, President TQM & Steel Business, Tata Steel		
Co-Chairman: Dr. U. Kamachi Mudali, IGCAR		
Co-Chairman: Mr. Sudhansu Pathak, Vice President Steel Manufacturing, Tata Steel		
Convener : Dr. Sandip Bhattacharyya, Tata Steel		
Treasurer : Ms. Arthita Dey, Tata Steel		
Dr. Biswajit Basu, Aditya Birla Science & Technology Co. Pvt. Ltd.	Mr. Arun Kumar, HINDALCO	Mr. Pritish Sen, Tata Steel
Dr. Debashish Bhattacharjee, Tata Steel	Mr. S. Das, Rourkela Steel	Mr. S.K. Singh, Bokaro Steel
Mr. Vinay Mahashabde Tata Steel	Mr. Kaushal Kumar Sinha, VP-Business Development, M N Dastur	Dr. G. Padmanabham, ARCI
Dr. Sanjay Chandra, Tata Steel	Mr. V. Balasubramanian, NALCO	Dr. Vikas Kumar, DMRL
Mr. D. Mishra, JSW Steel	Dr. D. De Sarkar, ICDC	Mr. Swapan Kumar Basu
Mr. Sandeep Kumar, Tata Metaliks	Mr. H.N. Rai, Durgapur Steel	Professor G.G. Roy, IIT Kharagpur
Professor Siddharth Das, IIT Kharagpur	Mr. S.N. Guha , Consultant	

## CORE ORGANISING COMMITTEE

Chairman: Mr. Sudhansu Pathak, Vice President Steel Manufacturing, Tata Steel

Co-Chairman: Mr. Peeyush Gupta, Vice President Marketing and Sales, Tata Steel

Conveners: Dr. Sanjay Chandra (Technical), Mr. Pritish Sen (Organizing)

Co-Convenor (Organizing): Mr. Swapan Kumar Basu

Mr. Sunil Bhaskaran	Dr. Debashish Bhattacharjee	Dr. Atanu Ranjan Pal
Mr. Amitava Bakshi	Mr. Vinay Mahashabde	Mr. Ashok Kumar
Mr. Sarvesh Kumar	Mr. Sanjay S Sahani	Mr. Kaushik Brahma
Mrs. Atrayee Sarkar	Mr. Soumitra Singh	

## SUB COMMITTEES

Chairman Technical Committee: Dr. Sanjay Chandra; Convener: Dr. Chiradeep Ghosh

Chairman Publication Committee: Dr. Debashish Bhattacharjee; Convener: Dr. Monojit Dutta

Chairman Technical Exhibition: Mr. Vinay Mahashabde; Convener: Dr. Tanmay Bhattacharyya

Chairman Hall Management: Dr. Atanu Ranjan Pal; Convener: Mr. Sudip Bose

Chairman Resource Mobilization: Mr. Sunil Bhaskaran; Convener: Mr. Amitava Bakshi

Chairman Registration Committee : Mr. Pritish Sen; Convener: Mr Tapan K. Chakraborty

Chairman Accommodation & Transportation Committee: Mr. Soumitra Singh; Convener: Mr. S. Banerjee

Chairman Hospitality: Mr. Kaushik Brahma; Convener : Mr. Anirban Sarkar

Chairman Cultural Committee : Mr. Sanjay S Sahani; Convener: Mr. Sanjay Behera

Chairman Communication & IT: Mr. Sarvesh Kumar; Convener: Mr. Ambar Singh Roy; Co-Convenor: Mr. Amarnath

Chairperson Ladies Program: Mrs. Atrayee Sarkar, Convener: Ms. Chitra Sharma

## Venue Details

Kolkata is the capital city of West Bengal. It is well connected with the rest of India by Air and Rail. In mid of November, Kolkata has an extremely pleasant climate with an average temperature during the day time varies between 20-25°C with copious precipitation of dew.

## Accommodation

Kolkata has several hotels, guest houses and clubs. Delegates may book their accommodation using online portals like makemytrip, trip advisor, goibibo etc. Details of few selected OYO rooms in and around conference venue are displayed in the website.

## Travel Information

For local travel one can use app based taxi (Ola,Uber) or Regular Cabs.

## Registration

Delegates are requested to register online. Alternatively, they may fill the registration form and post it to the contact address given in the last page. Registration fees can be paid either by electronic fund transfer or through Demand Draft in favour of "IIM NMD ATM 2018" payable at Jamshedpur.

### Online Transfer Details:

A/C Number: 50200030895393

Bank Name: HDFC

Jamshedpur Branch

Account Name: IIM NMD ATM 2018

Account Type: Current

IFSC Code: HDFC0000087

MICR Code: 831240002

Swift Code: HDFCINBB

Permanent Account Number (PAN) of  
Indian Institute of Metals: **AAATT3359D**  
GSTIN: **19AAATT3359D1ZF**

## Registration Fees

(Exclusive of 18% GST)

Category	Amount (Rs)	Amount (USD)
<b>IIM Non Member</b>	<b>12,000</b>	<b>550</b>
<b>IIM Member</b>	<b>8,000</b>	<b>400</b>
<b>IIM Member (Retired from service)</b>	<b>3,500</b>	<b>-</b>
<b>Student Delegates</b>	<b>3,000</b>	<b>150</b>
<b>Exhibitor Delegates</b>	<b>8,000</b>	<b>400</b>
<b>Spouse</b>	<b>3,000</b>	<b>150</b>

# Registration Form for Delegates

***NMD ATM 2018***

**November 14 -16, 2018**

**Kolkata, India**

I am / we are interested in (if yes, tick the box)

1. Presenting a paper
2. Attending the Conference

Title of the paper:

Name (Prof./Dr./Ms./Mr.):

Designation:

Organisation:

Mailing Address:

E-mail:

Phone:

Date:

Signature

## Advertisements in Souvenir

Advertisements are solicited for insertion in the commemorative Souvenir that will be published and released on 14<sup>th</sup> November 2018. The souvenir will feature miscellaneous articles, information related to Kolkata, information about sponsors etc.

### Souvenir Advertisement Tariff (Exclusive of 18% GST)

Position	Amount (Rs)	Amount (USD)
Outside Back Cover Page (Colour)	50,000	2500
Inside Cover Page (Colour)	40,000	2000
Full Page (Colour)	25,000	1250
Half Page (Colour)	20,000	1000
Half Page (B/W)	15,000	750

# Sponsorship

Sponsorships are solicited from Government organization, commercial establishments and research laboratories who wish to sponsor various events/functions during the NMD-ATM celebrations. The bags distributed will contain the list of all the sponsors of NMD-ATM 2018. Different categories of sponsorship rates and complimentary benefits are listed below:

## Platinum Sponsor (Rs. 10,00,000 or USD 50,000)

- 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

## Diamond Sponsor (Rs. 7,50,000 or USD 35,000)

- 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

## Gold Sponsor (Rs. 5,00,000 or USD 25,000)

- 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

## Silver Sponsor (Rs. 3,00,000 or USD 15,000)

- 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

## Conference Banquet (Rs. 10,00,000 or USD 50,000)

- Corporate logo of the sponsor on the event banners
- Full page colour advertisement in the souvenir
- Complimentary registration of up to 8 delegates for the event
- Complimentary dinner invitations up to 5 delegates for the event
- Welcome speech by the sponsor during the conference banquet
- Recognition as a conference banquet sponsor on conference website and all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner

*\*All the fees are exclusive of 18% GST*



### **Conference Lunch (Rs. 6,00,000 or USD 30,000)**

- Full page colour advertisement in the souvenir
- Complimentary registration of up to 3 delegates for the event
- Complimentary lunch invitations up to 5 delegates for the event
- Welcome speech by the sponsor during the conference banquet
- Recognition as a conference banquet sponsor on conference website and all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner

### **Session Sponsorship (Rs. 3,00,000 or USD 15,000)**

- Full page colour advertisement in the souvenir
- Complimentary registration of up to 2 delegates for the event
- Welcome signage for the particular session will carry the logo of the sponsor

### **Cultural Program (Rs. 10,00,000 or USD 50,000)**

- Full page colour advertisement in the souvenir
- Corporate logo of the sponsor on the banner with recognition as program sponsor
- Complimentary registration of up to 5 delegates for the event
- Complimentary invitation to cultural program following by dinner for up to 5 persons from the sponsor.
- Welcome speech by the sponsor during the function
- Recognition as a cultural program sponsor on all printed documents and marketing literature for the event with corporate logo of the sponsor on the banner

***\*All the fees are exclusive of 18% GST***

## **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. Scanning Probe Microscopy

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.

## Technical Exhibition

NMD-ATM 2018 will organize technical exhibition during November 14-16, 2018 in which various organizations 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. Standard exhibition stall will be 9 sq.m in area and will be provided 1 table, 2 chairs, 3 spot-lights, 5 am plug point and name fascia to identify the exhibitor and it will be available at the rate of Rs. 2,00, 000 (or USD 10,000) per unit which is exclusive of 18% GST. There will be maximum 25 technical exhibition stall that will be given by first cum first serve basis.

### Central Secretariat

**Dr. Sandip Bhattacharyya**  
**Convener, NMD ATM 2018**  
**Chief Scientific Services**  
**Research & Development and Scientific Services**  
**Tata Steel, Jamshedpur, India**  
**831007**  
**Mob: +91 7763807069**  
**Email id: [sandip.bhattacharya@tatasteel.com](mailto:sandip.bhattacharya@tatasteel.com)**

**For technical information kindly contact**  
**Mob: +91 8092098321**  
**Email: [nmdatm2018.technical@tatasteel.com](mailto:nmdatm2018.technical@tatasteel.com)**

