

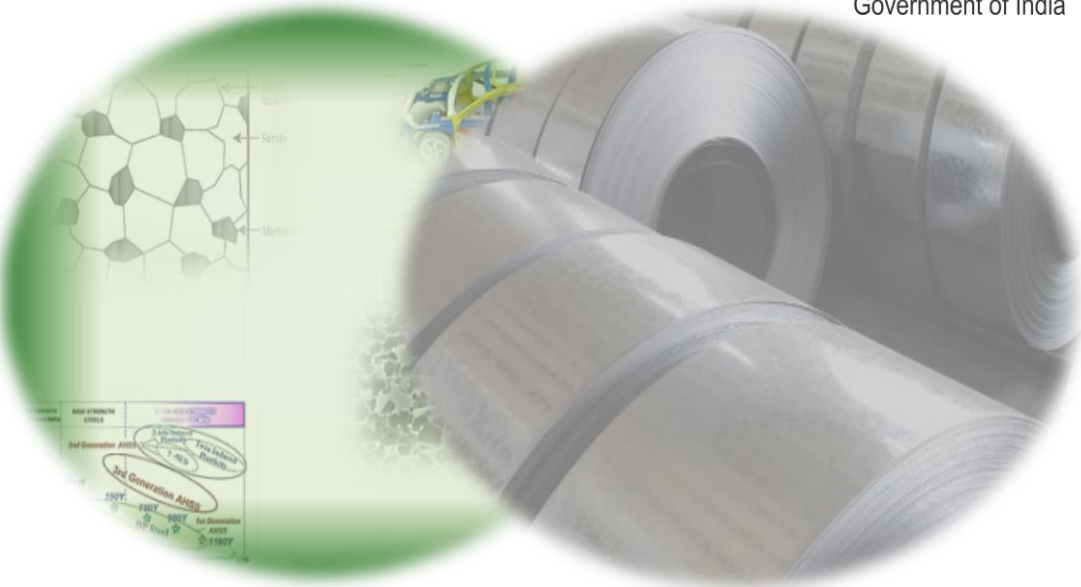
The Indian Institute of Metals



IIM
Metallurgy
Materials Engineering



Ministry of Steel
Government of India



NMD ATM 2018

KOLKATA

56th National Metallurgists' Day

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

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72nd 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

First Announcement and Call for Abstracts

Venue: Hotel JW Marriot, Kolkata

Hotel JW Marriot, Kolkata is the venue for the 56th National Metallurgists' Day (NMD) and the 72nd 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.

56th National Metallurgists' Day

This year the 56th National Metallurgists' Day will be celebrated on 14th 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 14th of November 2018.

72nd Annual Technical Meeting (ATM)

As a part of the annual event, ATM presentations will be conducted on 15th and 16th 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
- Process Metallurgy
- Products
- Non-ferrous Metals
- Energy, Environment and Waste Utilization
- Advances in Materials Science
- Industry 4.0

Call for Abstracts

Abstracts of up to 300 words in length are invited from authors for oral and poster presentation in seven parallel sessions. The template for the abstract can be downloaded from the conference website (www.nmd-atm.org). Online submission of abstracts will open from 15th June 2018. The last date for abstract submission is 15th of August 2018.

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. Narendra Kothari, 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. Pugazhenthly |
| 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.

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 Cheque/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) |
|--|---------------|--------------|
| IIM Non Member | 12,000 | 550 |
| IIM Member | 8,000 | 400 |
| IIM Member (Retired from service) | 3,500 | - |
| Student Delegates | 3,000 | 150 |
| Exhibitor Delegates | 8,000 | 400 |
| Spouse | 3,000 | 150 |

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 14th 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

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Convener, NMD ATM 2018
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Research & Development and Scientific Services
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