THE INDIAN INSTITUTE OF METALS



49TH NATIONAL METALLURGISTS' DAY

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

and

65TH ANNUAL TECHNICAL MEETING OF THE INDIAN INSTITUTE OF METALS

13-16 November 2011
Leonia International Centre for Exhibitions and Conventions
Hyderabad

Organized by

IIM, Hyderabad Chapter

In Association with

Student Chapters at NIT-Warangal, MGIT-Hyderabad and JNTU-Hyderabad

First Announcement and Call for Abstracts



NMD-ATM 2011

The sprawling Leonia International Centre for Exhibitions and Conventions Shameerpet, Hyderabad will be the venue of the 49th National Metallurgists' Day (NMD) and the 65th Annual Technical Meeting (ATM) of the Indian Institute of Metals (IIM). These events are organised by the Hyderabad Chapter of IIM in association with the students chapters at NIT Warangal, MGIT Hyderabad and JNTU Hyderabad.



49th NMD

National Metallurgists' Day is celebrated every year on 14th November coinciding with the birthday of our first Prime Minister of India, Late Pandit Jawaharlal Nehru, a great visionary and statesman par excellence. 49th NMD celebrations will be held on 14th November 2011, under the aegis of Government of India, Ministry of Steel. The National Metallurgists' Day Award Scheme was instituted by the Ministry of Steels & Mines in 1962 to honour distinguished Metallurgists of India for their contributions to the field of metallurgical education, research and industry including environmental issues. The NMD 2011 awards will be presented during NMD celebrations.

65th ATM

The IIM recognizes and rewards outstanding Metallurgists, Material Scientists, Professionals, Researchers, Teachers and Students in specific areas of specialization. The IIM 2011 honours and awards will be given away on 13th November 2011.

As part of the annual event, a technical meeting will be conducted on 15th – 16th November 2011. The scope of the meeting encompasses modeling, design, development, extraction, processing, characterization and performance assessment of ferrous, non-ferrous and other materials pertaining to the identified themes. In addition, it is planned to hold plenary talks by eminent speakers from India and abroad. Students are encouraged to participate in large numbers. Waiver of registration fee, payment of sleeper class train fare and free accommodation will be provided to student members of IIM selected for making oral presentations in the ATM.

ATM Themes

Six parallel sessions and a common poster session will be conducted emphasising the following themes:

- Materials for Aerospace
- Materials for Energy
- Materials for Defence
- Materials for Automotive
- Functional Materials
- Emerging Materials and Processes

Covering extractive, physical and mechanical metallurgy of Ferrous and Non-Ferrous Metals and Materials.

CALL FOR ABSTRACTS

Abstracts of up to 150 words length are invited from authors for oral and poster presentations in six parallel sessions. The template for the abstract can be downloaded from the conference website (www.iimnmdatm2011.in). Online submission of abstracts will open on 25 June 2011. The last date for submission is 15 August 2011.

EXHIBITION

An exhibition will be organized during the NMD celebrations where interested parties can display the advances made by them in the field of process or product technology related to materials. The details of the size of each stall where the exhibitors can display their products and interact with the delegates, as well as the tariff per stall, mode of payment etc., will be available on our website www.iimnmdatm2011.in.

COMMITTEES

PATRONS

NATIONAL ADVISORY COMMITTEE

	Shri Anil Agarwal, Executive Chairman,
	Vedanta Resources
	Shri Arup Roy Choudhury, CMD, NTPC
	Shri Ashok Nayak, Chairman, HAL
	Shri Baba N Kalyani, Chairman, Bharat Forge
	Shri BL Bagra, Offg. CMD, NALCO
	Dr. S Banerjee, Chairman,
	Atomic Energy Commission
	Shri VK Bhatnagar, CEO, India Arcelor Mittal
	Shri PK Bishnoi, CMD, RINL
	Shri Dhiraj Gupta, DG, CFG
	Shri Kumar Mangalam Birla, CMD, Hindalco
	Shri HS Mann, CMD, MMTC
	Shri B Muthuraman, Vice Chairman,
	Tata Steel
	Shri AM Naik, CMD, L & T
i	

Shri R Natarajan, CMD, BEML Shri Navin Jindal, CMD, JSPL Shri Prakash Telang, MD, Tata Motors Ltd. Dr. K Radhakrishnan, Chairman, ISRO Dr. T Ramasamy, Secretary, DST Shri K Ravikumar, CMD, BHEL Shri P Ravindra Reddy, Chairman, MTAR Shri Rana Som, CMD, NMDC Shri Ratan Jindal, MD, Jindal Stainless Shri Sajjan Jindal, VC & MD, JSW Steel Ltd. Dr. Samir K Brahmachari, DG, CSIR Dr. VK Saraswat, DG, DRDO Shri Md. Shakeel Ahmed, CMD, Hindustan Copper Ltd. Shri Shashi Ruia, Chairman, Essar Steel Shri CS Verma, Chairman, SAIL

Shri GK Pillai, CMD, HEC

Dr. Dilip Oomen, CEO, Essar Steel

Advisory Committee	IIM President Year
Dr. JJ Irani, Director, Tata Sons	1985-86
Shri SR Jain, Consultant	1988-89
Prof. P Rama Rao, Chairman,	1990-91
Governing Council, ARCI	
Dr. T Mukherjee, Former Dir, Corus, UK	1991-92
Shri AC Wadhwan, Consultant	1992-93
Shri RN Parbat, Consultant	1995-96
Shri Supriya Das Gupta, Consultant	1997-98
Dr. CGK Nair, President, SIATI	1998-99
Prof. S Ranganathan, IISc	1999-00
Shri V Gujral, Vice Chairman & CEO, JSPL	2000-01
Shri P Parvathisem, Consultant	2001-02

NATIONAL STEERING COMMITTEE

Chairman: Dr. D Banerjee Co-Chairman: Shri M Narayana Rao Convenor: Shri JC Marwah Members

Dr. VS Arunachalam, Chairman, CSTEP Dr. Baldev Raj, Distinguished Scientist Dr. SK Bhattacharyya, Director, TAYO Shri SC Chetal, Director, IGCAR Shri SS Dasgupta, Director, Nortech Dr. C Ganguly, President, CEMICO India Pvt. Ltd.

Shri AK Ghosh, CMD, MECON Shri R Gupta, CMD, UCIL Dr. SK Gupta, Director, JSW Steel Shri HS Jain, ED, BHEL (Corporate R&D) Shri SK Jain, CMD, NPCIL Dr. R Krishnan, Consultant Shri MS Mehta, CEO Vendanta Resources Shri SS Mohanty, MD, Bokaro Steel Plant Dr. TK Mukherjee, Consultant Dr. J Narayana Das, CC R&D (NS&M), DRDO Shri HM Nerurkar, MD Tata Steel Dr. BR Nijhawan, Consultant, UNIDO, USA Shri Pankaj Gautam, Acting MD, Bhilai Steel Plant Shri Pankaj Kumar Bajaj, MD, Durgapur Steel Plant Dr. MN Parthasarathi, Consultant, USA

Shri Prashant Ruia, MD Essar Steel Shri L Pugazhenthy, ED, ILZDA Prof. EG Ramachandran, Consultant Shri Rustam M Dastur, Chairman, MN Dastur & Co. Pvt. Ltd. Shri S Samarapungavan, Consultant Dr. Sanak Mishra, VP & CEO, Arcelor Mittal Shri Sanjay Singhal, CMD, Bhushan Power & Steel Shri Suman Mukherjee, Director (Comm), SAIL Shri BB Singh, Director (P), SAIL Shri SN Singh, MD, Rourkela Steel Plant Shri Vinod Mittal, MD, Ispat Industries

NATIONAL ORGANIZING COMMITTEE

Shri SN Guha, COO (Steel Business), Usha Martin,

Chairman: Shri M Narayana Rao, CMD, Midhani Co-Chairman: Shri HM Nerurkar, MD, Tata Steel Convenor: Dr. G Malakondaiah, Director, DMRL Co-Convenor: Shri N Saibaba, DCE, NFC Members:

Shri Akhilesh Joshi, COO, HZL Dr. Amit Ganguly, Head, Bus. Excellence, Mukand Shri Anantha Reddy, MD, Pennar Steels

Prof. K Baba Pai, M S University, Baroda Shri Bhaskar Roy, Dir, MN Dastur & Co. Pvt. Ltd. Dr. K Balasubramanian, Director, NFTDC Shri RK Bansal, Asso. VP, HZL

Prof. K Bhanu Sankara Rao, Dean SEST, UoH Prof. M Chakraborty, Dir, IIT-Bhubaneswar Shri S Chandrasekhar, ED, Salem Steel Plant Prof. K Chattopadhyay, Divisional Chairman, Mechanical Sciences, IISc, Shri TK Das, ED (W), Bokaro Steel Plant

Shri DK Dasgupta, ED (W), Rourkela Steel Plant Dr. D DeSarkar, CEO, ICDC & Jt Hon. Tr., IIM-Kolkata Dr. GK Dey, Outstanding Scientist, BARC

Shri Harsh Jha, MD, Tata Metaliks Dr. T Jayakumar, Outstanding Scientist, IGCAR Shri NC Jha, Acting Chairman & Dir (T), Coal India Shri RN Jayaraj, CE, NFC Shri Lallan Kumar, IIM-Vizag Chapter Dr. I Manna, Director, CGCRI Prof. SP Mehrotra, IIT-Kanpur Dr. A. Subhanand Rao, CC R&D (Aero), DRDO Dr. D Mukheriee, ED, RDCIS, SAIL Dr. J Mukhopadhyay, Director, JNARDDC Prof. BS Murty, IIT-Madras Dr. VK Nowal, Director & CEO, JSW Steel Shri UC Parekh, Adv., Usha Martin, Jt. Hony. Tr., IIM Shri Prabhat Kumar, BHAVINI Dr. Pradip, Chief Scientist, TRDDC, Pune Shri Pramod Suri, Director, BALCO Shri GS Prasad, ED, Durgapur Steel Plant Shri DJ Ramesh, MD, Vijay Electricals

Shri Raj Tewari, VP, Danieli & CspA Shri AK Sen, ED Khetri Copper Complex Shri BK Singh, ED, Ispat Industries Shri PK Singh, ED (W), IISCO Shri PK Sinha, ED (Com), MECON Dr. LK Singhal, Director, Jindal Stainless Dr. S Srikanth, Director, NML Sh<mark>ri Srid</mark>har Kamineni, MD, OCTL Dr. G Sundararajan, Director, ARCI Shri Suresh Thawani, MD, Tata Sponge Ltd. Shri JK Tandon, Director (Proj.), JSW Steel Shri Tarun Daga, MD, Tinplate Co., Jamshedpur Shri Umesh Chandra, Director (O), RINL Shri S Varadarajan, ED (W), Bhilai Steel Plant Shri VS Varma, Director (Production), Midhani Dr. T Venugopalan, Ch. Tech. Officer, Tata Steel Dr. Vijaya Sharma, CEO, Usha Martin Ltd. Shri RK Vijyavergia, ED (0), SAIL Prof. Vikram Jayaram, HOD, Department of Materials Engineering, IISc. Shri RK Zaroo, Director (Bus. Dev), Essar Steel

CORE ORGANIZING COMMITTEE

Shri Ramesh Nair, COO, Sterlite Copper

Chairman: Dr. G Malakondaiah, Director, DMRL Convenor: Dr. Amol A Gokhale, Associate Director, DMRL Co-Chairman: Shri N Saibaba, Dy Chief Executive, NFC Co-Convenor: Dr. Shrikant V Joshi, Associate Director, ARCI

Sub Committees

Annual Technical Meeting

Coordinator (C): Dr. Amol A Gokhale, DMRL Joint Coordinator (JC): Dr. Shrikant V Joshi, ARCI

Plenary Sessions

C: Prof. K Bhanu Sankara Rao, UoH JC: Dr. N Eswara Prasad, RCMA(M)

Resource Mobilisation C: Shri RN Jayaraj, CE, NFC JC: Shri BG Raj, Midhani

Finance

C: Dr. T Raghu, DMRL JC: Shri DVRK Sastry, NFTDC

Publications

C: Dr. SV Kamat, DMRL JC: Ms. N Aparna Rao, ARCI

Hall Arrangements

C: Shri A Ranganathan, Midhani JC: Dr. P Ghosal, DMRL

Hospitality (Food & Beverages) C: Shri P Sarkar, Midhani

JC: Shri B Saha, RCMA(M)

Cultural Programme

C: V Vijay Kumar, NFC JC: Shri MNV Visvanath, NFC Registration & Reception C: Shri AK Sharma, Midhani

JC: Shri Deepak K Gupta, DMRL

Ladies Programme

C: Dr. S Karandikar, Midhani JC: Ms. Vandana, Midhani Exhibition

C: Shri DN Bhatia, Midhani IC: KV Ramana, Nile Ltd

Web Site

C: Dr. Vijaya Singh, DMRL JC: Shri Raghu C Reddy, C-MET

Transport & Accommodation C: Shri Nagarjuna Prasad, NFC/ Ms. C Sabitha, Midhani

JC: Madhu Kumar, NFC/ Shri KPS Mohankrishna, Midhani

Press Coverage

C: Shri V Vijay Kumar, NFC IC: Ms C Sabitha, Midhani

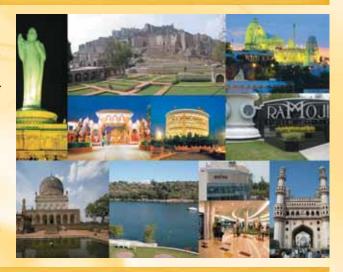
SPONSORSHIP AND SOUVENIR

Sponsorships are solicited from Government organisations, commercial establishments and research laboratories, who wish to sponsor various events/functions during NMD-ATM celebrations. Additionally, advertisements are solicited for insertion in the commemorative Souvenir that will be published and released during the event. The souvenir will contain details of the technical programme along with invited popular articles, information about sponsors etc. For details on the various sponsorship opportunities and associated benefits, as well as advertisement options, please contact us or visit our website www.iimnmdatm2011.in.

VENUE DETAILS

Hyderabad, the city of Pearls is the capital of the state of Andhra Pradesh. It is the fifth largest city in India and has several tourist attractions such as Golconda Fort, Charminar, Salar Jung Museum, Quli Qutub Shahi Tombs, Chowmohalla Palace, Birla Temple, Ramoji Film City etc. The weather at the time of the NMD/ATM is expected to be pleasant.

Leonia International Centre for Exhibitions and Conventions, the venue for NMD/ATM 2011 is located at Bommaraspet village in Shameerpet, a few miles away from the city of Hyderabad, and is part of the Leonia Holistic Resorts, a sprawling serene estate which combines leisure, business, recreation, rejuvenation, and relaxation all in one place. It is a sensational space where you can multi-task and switch modes between work, fun, learning and relaxing at the same time and in the same campus.



ACCOMMODATION

Limited accommodation is available in Leonia Holistic Resorts itself. Arrangements have also been made with some Hotels and Guest Houses in the city. The delegates are requested to visit the NMD-ATM website for details and are advised to make early arrangements.

ABOUT IIM

The idea of formation of Indian Institute of Metals (IIM) was conceived as early as in 1945. However, the Institute took final shape 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 technical 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 Organisations.

CONTACTS

Convenor

Dr. Amol A Gokhale Associate Director, DMRL P.O. Kanchanbagh, Hyderabad 500058 Tel: 040-24344687/24586441

Fax: 040-24340481/24342697 E-mail: convenor@iimnmdatm2011.in

Co-Convenor

Dr. Shrikant V Joshi Associate Director, ARCI P.O. Balapur, Hyderabad 500005 Tel: 040-24441077 Fax: 040-24443168/24442699 E-mail: convenor@iimnmdatm2011.in

Website: www.iimnmdatm2011.in

Important Dates

Acceptance: 15 September 2011 Registration Deadline: 15 October 2011 Abstract Submission: 15 August 2011



NMD-ATM 2011





Name					
Organization					
Designation & Mailing Address					
Phone :			Fax:		
Mobile:			E-mail :		
	Indian Delegate			Spouse	
Status	Foreign Delegate			Spouse	
(Please tick)	Author:	Oral		Poster	Metallography Contest
Category of Reg	gistration				
					is enclosed
Hyderabad, dra	nwn in favour of NMD2	2011			
Date:					(Signature)
Dr. Amol A. Gokhald Convenor, NMD-AT Defence Metallurgi P.O. Kanchanbagh Hyderabad 500 058	M 2011 cal Research Laboratory	340481/24342697	7		Online Registration at vw.iimnmdatm2011.in

REGISTRATION DETAILS

Delegates are encouraged to register online. Alternately, they can fill the registration form and post it to the contact address given above. Registration fees can be paid either by electronic fund transfer or by sending a cheque/DD drawn in favour of NMD2011 payable at Hyderabad along with registration form, giving full details of the payment.

Category	Regular
Non-member IIM	INR 8000
Member IIM	INR 5000
Student member IIM	INR 2000
Member IIM (Retired from service)	INR 3500
Foreign Delegate	USD 500
Foreign Student Delegate	USD 250
Spouse	INR 1000/USD 50

E-mail: convenor@iimnmdatm2011.in

Payments by electronic fund transfer should be made to the following account:

Account Name : IIM NMD ATM 2011

Bank : State Bank of India, Chandrayangutta Branch,

Hyderabad - 500058

Account Type : Current Account
Account No. : 31751798300
IFSC Code : SBIN0003026

of the Branch

13-16 November 2011



NMD-ATM 2011



SPONSORSHIP

Sponsorship is solicited from organizations, institutions and government departments. Different categories of sponsorship, rates and complimentary benefits are listed below:

S. No.	Туре	Amount (Rs.)	Complementary Benefits
1	PLATINUM	10,00,000	Display of Logo/Banner Advertisement in Souvenir (1 page colour) Presentation at the Event (10 minutes duration) 10 free delegates
2	DIAMOND	7,50,000	Display of Logo/Banner Advertisement in Souvenir (1 page colour) Presentation at the Event (5 minutes duration) 7 free delegates
3	GOLD	5,00,000	Display of Logo/Banner Advertisement in Souvenir(1 page colour) 5 free delegates
4	SILVER	3,00,000	Display of Logo/Banner Advertisement in Souvenir (1 page colour) 3 free delegates
5	BRONZE	1,00,000	Display of Logo/Banner Advertisement in Souvenir (1 page B/W) 1 free delegate
6	NMD Dinner & Cultural Program (14 th November)	10,00,000	Display of Logo & Name at the Event Advertisement in Souvenir (1 page colour) 10 free delegates
7	IIM Awards Dinner & Cultural Program (13 th November)	7,00,000	Display of Logo & Name at the Event Advertisement in Souvenir (1 page colour) 7 free delegates
8	ATM Dinner (15 th November)	5,00,000	Display of Logo & Name at the Event Advertisement in Souvenir (1 page colour) 5 free delegates
9	Lunch	3,50,000	Advertisement in Souvenir (1 page colour) 3 free delegates
10	High Tea	1,00,000 (each session)	Display of Logo and Name at the Event 1 free delegate
11	Tea/Technical Session	50,000 (each event)	Display of Logo and Name at the Event

TECHNICAL EXHIBITION

In addition to the technical meeting, it is planned to hold a technical exhibition wherein the exhibitors can showcase their products and technologies. Participation of prominent organizations from India and abroad will give wide exposure to the exhibits, thereby enhancing their market potential. Standard exhibition stall units of 3 \times 3 meter size, or multiples thereof, will be made available at the rate of Rs.1,00,000/US\$ 5,000 per unit. Presentation of a film of your organization on a common screen is permitted in the exhibition area by paying a charge of Rs. 10,000/- per 15 minutes presentation.

ADVERTISEMENTS IN THE SOUVENIR

Advertisements are solicited for insertion in the commemorative souvenir that will be published and released during the event. The souvenir will contain details of the technical programme along with abstracts of all oral and poster presentations, information about sponsors etc. Advertisement matter may be sent as email attachment to convenor@iimnmdatm2011.in in MS Word and PDF formats. Alternately, the advertisement matter may be sent as hard copy by post/courier to the Convenor. Advertisement rates are as follows:

S. No	Page	Indian (Rs)	Overseas (USD)
1	Back cover (Colour)	40,000	2000
2	Inner Cover (front or back) (Colour)	30,000	1500
3	Full page colour	25,000	1250
4	Full page (B/W)	15,000	750
5	Half page (B/W)	10,000	500

METALLOGRAPHY CONTEST

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

a. Light Microscopy

b. Transmission Electron Microscopy

c. Scanning Electron Microscopy

d. Scanning Probe Microscopy

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

ABSTRACT TOPICS

The following themes have been identified for specific focus at the ATM: (1) Materials for Aerospace, (2) Materials for Energy, (3) Materials for Defence, (4) Materials for Automotive, (5) Functional Materials, and (6) Emerging Materials and Processes. In addition, other important metallurgical topics spanning the following shall also be covered:

Iron and steel making

Casting and materials processing

Non-destructive evaluation

Mechanical behavior

Microscopy

• Structure property relations

Non-ferrous metallurgy

Corrosion, tribology and surface engineering

Joining technologies

Physical metallurgy

Powder metallurgy

Modeling and simulation

Consistent with the above, abstracts of proposed oral and poster presentations in any of these areas are invited in prescribed formats available at the conference website.

ACCOMMODATION

Good quality rooms have been reserved for accommodating delegates at the conference venue. The room tariffs (including service tax) are as follows:

Room Type	Rack Rates Single/Double (Rs.)	Meal Plan	Special Net Rates Single/Double (Rs.)
I	10400/10900	Includes Breakfast	5000/5500
II	6200/6700	Includes Breakfast	3000/3500

Please note that room reservation is only through conference management. Please indicate room choice while registering for the conference. Additional rooms will be made available at similar rates at nearby resorts. Remaining guests can be accommodated at Marriot Courtyard Hotel (about 45-60 mins drive away) at similar rates or at the Dr. Marri Channa Reddy Human Resource Development Institute of Andhra Pradesh at Road No. 25, Jubilee Hills (about 60-75 mins drive away) at standard rates. While tentative room allotment will be done on first come first reserve basis, reservations will be confirmed only after receiving registration fee.



NMD-ATM 2011 TENTATIVE PROGRAMME







Time	13 th November 2011	14 th November 2011	15 th November 2011	16 th November 201
09.30-10.00		NMD Function, Awards	Plenary Session II	Plenary Session IV
10.00-10.30		etc.		
10.30-11.00				
11.00-11.30			Tea, Posters	Tea, Posters
11.30-12.00		High Tea, Inauguration of Exhibition and Posters	Technical Session I (6 parallel sessions)	Technical Session III (6 parallel sessions)
12.00-12.30	Registration	Exhibition & Posters		
12.30-13.00		Hour		
13.00-13.30		Lunch		
13.30-14.00	Lunch		Lunch	Lunch
14.00-14.30		NMD Award Lectures		
14.30-15.00	Inauguration, IIM		Plenary Session III	Technical Session IV
15.00-15.30	Awards			(6 parallel sessions)
15.30-16.00		Tea Break	Poster Session	
16.00-16.30	Tea Break	Plenary Session I		
16.30-17.00	(NP Gandhi Memorial,		Technical Session II	Valedictory Function
17.00-17.30	Daya Swarup		(6 parallel sessions)	
17.30-18.00	Memorial, GD Birla Gold Medal Lecture)			
18.00-18.30		Free Time		High Tea
18.30-19.00	Fixing Posters		Resort Activities	
19.00-19.30		Cultural Programme		
19.30-20.00	Cultural Programme	Dinner		
20.00	Dinner		Dinner	



