

# THE INDIAN INSTITUTE OF METALS

## NMD ATM 2014

**Redefining the Horizons of Metallurgy/Materials**  
*Focus on Automotive, Aerospace, Defense and Energy*

### Invitation and Call for Abstracts

## 52<sup>nd</sup> National Metallurgists' Day

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

*68<sup>th</sup> Annual Technical Meeting of The Indian Institute of Metals*  
*12-15 November, 2014*

*Organized by:*

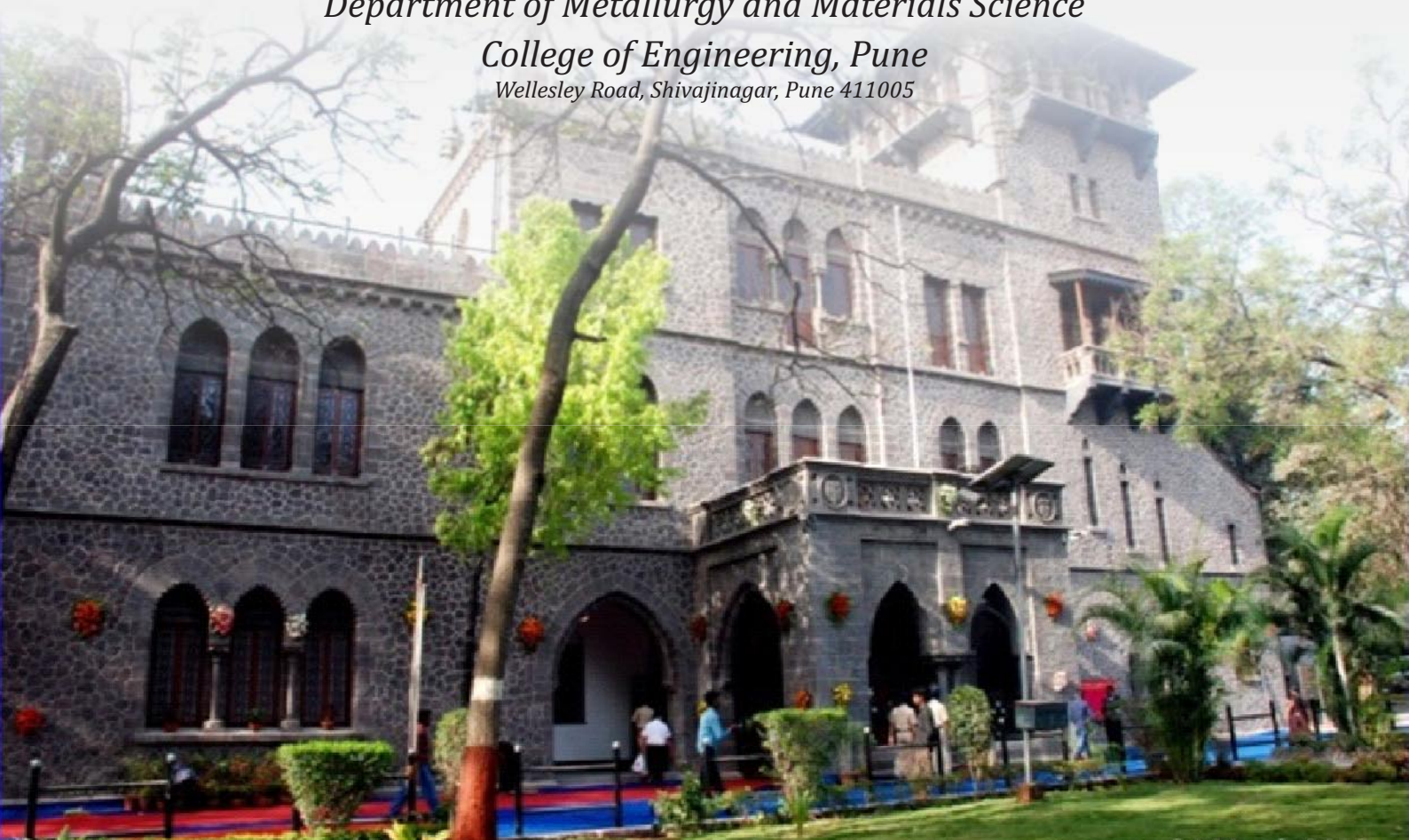
*IIM Pune, Mumbai, Baroda and Nagpur Chapters*

*in association with*

*Department of Metallurgy and Materials Science*

*College of Engineering, Pune*

*Wellesley Road, Shivajinagar, Pune 411005*





## Invitation

It is a great honour for the metallurgical engineering fraternity in Pune to host the 52<sup>nd</sup> National Metallurgists' Day in College of Engineering, Pune from 12 to 15 November, 2014. NMD ATM is an annual mega event of The Indian Institute of Metals where metallurgists & material engineers from industry and academia from all over the world participate and share their experiences and learnings on various aspects of materials engineering.

NMDATM has been an excellent forum for the best professionals from the industry, academia and the research institutions to meet and deliberate on the challenges and the opportunities in this field. "Redefining the horizons of Metallurgy/Materials: Focus on automotive, aerospace, defense and energy" has been selected as the theme for NMD ATM 2014. We are organizing special theme symposia on several topics of interest and value to our industry – for example, Integrated Computational Materials Engineering (ICME) framework for accelerated materials development and deployment and Advances in Modelling and Simulation of metallurgical and materials processing operations.

We cordially invite you to join us in Pune in November, 2014. Please do write to us and visit our website ([www.nmdatm2014.org](http://www.nmdatm2014.org)) for more details. We look forward to meeting you in Pune.

**R. N. Patra,**

Vice President IIM & Chairman-cum-Managing Director, Indian Rare Earths Ltd.,  
Chairman, National Organizing Committee, NMD ATM 2014

### About IIM

The idea of formation of The 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 its activities includes the whole gamut of metallurgical processing, research and materials science in their broader perspective that is 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 emerging materials. The activities of the Institute also encompass organization of national and international technical conferences and programs, conducting qualifying examinations, publications, etc. Starting with a modest membership of 42, the membership now stands at more than 10,000 drawn from various fields of metallurgical activities. The Institute has grown into a prominent professional body and is now recognized throughout the world as one of the premier metallurgical organizations.

### About NMD – ATM 2014

The National Metallurgists' Day (NMD) was instituted in 1962 by the Ministry of Steel & Mines, Government of India. NMD is held every year on November 14<sup>th</sup>, coinciding with the birthday of Late Pandit Jawaharlal Nehru, the first prime minister and the architect of Modern India. Leading professionals are honoured, on 14<sup>th</sup> November for their outstanding contributions in the metallurgical fields including operation, research, design, education, waste management, energy conservation and corporate leadership.

### ATM Structured Sessions

- Metallurgical Heritage of India
- Mineral Processing for Steel & Aluminium Industries
- Beach Sand Processing & Extraction (Rare Earths)
- Raw Materials for Ferrous Industry: Coking coal, Limestone & Iron ore
- Process Metallurgy for Ferrous Metals: Sponge iron, Ironmaking & Steelmaking
- Process Metallurgy of Non-Ferrous Metals
- Casting & Solidification
- Metal Forging
- Metal Forming
- Physical Metallurgy of Materials
- Heat Treatment & Surface Engineering
- Microstructure & Texture
- Advanced Materials Characterization
- Mechanical Behaviour of Materials
- Powder Metallurgy
- Corrosion & its Prevention
- Advanced Composites
- Engineering Polymers

The Annual Technical Meeting (ATM) is an annual mega event of The Indian Institute of Metals where leading metallurgists from metallurgists from industry and academia from India and abroad, and researchers from India and abroad participate and share their experiences on various aspects of materials ranging from primary metal production to recent advancement in material design and development. The first ATM was held on 24<sup>th</sup> February, 1946.

ATM 2014 will consist of around 20 theme symposia on various facets of minerals, metals and material processing and invited lectures from leading authorities in the field of metallurgical and materials engineering.

All the details and other updates will be made available through NMD ATM website: [www.nmdatm2014.org](http://www.nmdatm2014.org). Prospective participants to NMD ATM 2014 are requested to visit this website for latest updates.

### Metallurgical Education at College of Engineering, Pune

The College of Engineering, Pune was established in the year 1854 before any of the formal degree awarding universities took roots in India. It is the third oldest engineering institute in India. The institute is proud of its towering alumnus Bharat Ratna Sir M. Visvesvarayya, in whose honour "Engineer's Day" is celebrated in India.

The Department of Metallurgy and Materials Science Engineering of COEP is a unique establishment in and around Western Maharashtra. The department is striving hard to fulfil the growing global demands of skilled human resource in the field of metals and materials.

- Glass & Advanced Ceramics
- Nano materials: Synthesis, Processing & Applications
- Computational Materials Science
- [Materials for Automotive Industries](#)
- [Materials for Strategic Sectors: Aerospace, Defence, Space & Nuclear](#)
- [Materials for Energy Sectors: Thermal, Solar, Hydro & Wind](#)
- [Fuel Cells & Batteries](#)
- [Joining Technology: Welding, Adhesives & Cladding](#)
- [Failure Analysis](#)
- [IT Enabled Manufacturing](#)
- [Human Resource Challenges for Metallurgical & Materials Industries](#)
- [Efficient Supply Chain Management for Manufacturing Industry](#)
- [Predictive Data Analytics for Manufacturing](#)
- [Integrated Computational Materials Engineering for Realization of Materials & Products](#)
- [Sustainability: Remanufacturing, Refurbishing & Recycling](#)
- [Intellectual Property Management](#)



## Registration

Sr. No	Category	₹ (INR)
1	Non Member IIM	11,000
2	Member IIM	6,000
3	Student Member IIM	2,000
4	Member IIM (Retired from service)	3,500
5	Spouse	2,000

## Call for Abstracts

Authors are requested to submit abstracts latest by July 31, 2014. The abstract, not exceeding 300 words and prepared as per the guidelines provided on the website, can be submitted online at [www.nmdatm2014.org](http://www.nmdatm2014.org).

## Metallography Contest

Registered delegates, to participate in the Metallography Contest, may submit entries for one of the following categories:

- Light Microscopy
- Scanning Electron Microscopy
- Transmission Electron Microscopy
- 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 the best metallographs will be decided on the basis of technical content, aesthetics (visual aspect) and expertise of the technique. Detailed instructions for preparation of the entries can be found on the conference website.

## Souvenir

Advertisements are solicited for insertion in the commemorative Souvenir that will be published and released on 12<sup>th</sup> November 2014. The Souvenir will feature miscellaneous articles, information related to Pune, information about sponsors etc.

### Souvenir Advertisement Tariff

Position	Colour (₹)	B/W (₹)
Outside Back Cover	40,000	---
Inside Cover Page	30,000	---
Full Page	25,000	15,000
Half Page	---	10,000

## Sponsorship

Sr. No.	Type	Amount	Banner	Advertisements	Complimentary Delegates	Exhibition Stall
1	Platinum	10,00,000	✓	✓	10	✓
2	Diamond	7,50,000	✓	✓	7	✓
3	Gold	5,00,000	✓	✓	5	✓
4	Silver	3,00,000	✓	✓	3	✓

## Payment Details

Please issue a Cheque or Demand Draft in the favour of NMD ATM 2014, payable at Pune or make electronic transfer as per the following details:

**Account Name** : IIM NMD ATM 2014  
**Bank** : State Bank of India, College of Engineering, Pune, Shivajinagar, Near Sangam Bridge, Pune - 411005  
**Account Type** : Current Account  
**Account No** : 33543562424  
**FSC Code** : SBIN0010431  
**SWIFT Code** : SBININBB238  
**Branch Code** : 10431  
**MICR Code** : 411002060

## Technical Exhibition

We invite industries, equipment suppliers, research institutions, consulting companies and other organizations both from India as well as abroad for showcasing their processes, products, instruments, equipment, expertise and achievements during NMD ATM 2014. The technical exhibition will be organized in front of New Academic Complex. For more details, visit the conference website.

## Venue

New Academic Complex at College of Engineering, Pune (COEP) is the venue for the 52<sup>nd</sup> National Metallurgists' Day and 68<sup>th</sup> Annual Technical Meeting of the Indian Institute of Metals (IIM). These events are being organized by IIM Pune, Mumbai, Baroda, and Nagpur Chapters in association with Department of Metallurgy and Materials Science, College of Engineering, Pune (COEP).

## Accommodation

Pune has several hotels with wide ranging amenities to fit into your budget. A detailed list of hotels will be made available on the conference website [www.nmdatm2014.org](http://www.nmdatm2014.org). Book hotels before specified due date to avail special discounted price.

## About Pune

Pune, the eighth largest metropolis in India and the second largest in Maharashtra is about 200 kms from Mumbai. Known to have existed since 847 AD, Pune was once the centre of power of the Maratha Empire. Besides being the cultural capital of Maharashtra, the city is a hub for Manufacturing & Automobile Industries, Government & Private Sector Research Institutions, Information Technology (IT) and Training and Educational Institutions. Over the years, Pune has emerged as the favorite destination for students and professionals from all over the world.



### **For further information, please contact**

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NMD ATM 2014

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