

REGISTRATION FORM

A Three-Day workshop on **Metallurgy for Non-Metallurgists** (MNM - 2015)

December 08 -10, 2015

Department of Metallurgical Engineering
Indian Institute of Technology (BHU), Varanasi

I would like to participate in the Workshop (For multiple registrations use photocopies of this Registration Form)

Name

Designation

Organization

Address

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e-mail

Phone

Registration Fee Details

Bank Amount

Cheque/DD No

Details of Electronic Transfer:

Signature

Apex Committee

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Prof. R. K. Mandal
Head, Dept. of Met. Engg., IIT (BHU), Varanasi (Chairman)
Other Faculty members of the Department

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Dr. I. Chakrabarty	Dr. J. K. Singh
Prof. B. N. Sarma	Dr. B. Mukherjee
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Conveners

Dr. R. Manna | **Dr. Kausik Chattopadhyay**

In the Centenary Year of Banaras Hindu University



A Three - Day Workshop Metallurgy for Non-Metallurgists MNM-2015

DECEMBER 08 -10, 2015

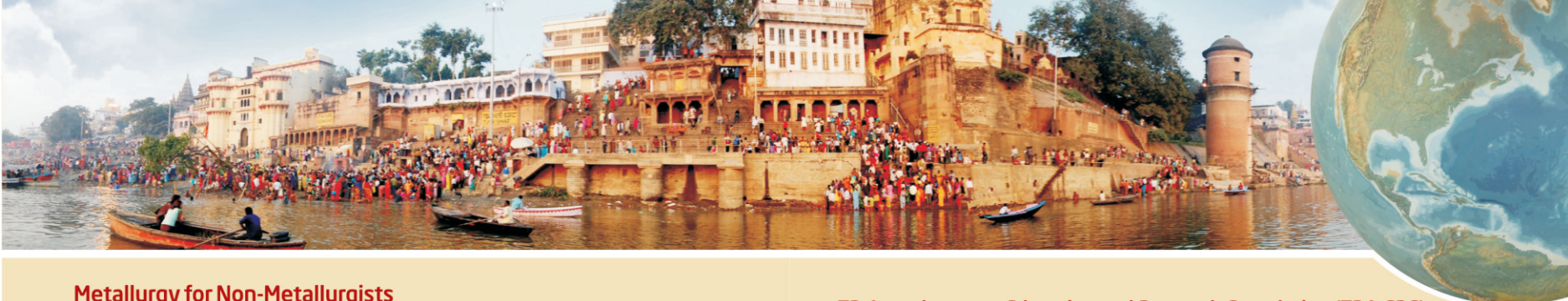


**T R Anantharaman Education and
Research Foundation**
www.tra-erf.org



Organized by :

Department of Metallurgical Engineering
Indian Institute of Technology (BHU)
Varanasi-221005
www.iitbhu.ac.in/met/



Metallurgy for Non-Metallurgists

Theme: In the 100th year of establishment of Banaras Hindu University, this three-day workshop is aimed at imparting metallurgical concepts relevant to Non-Metallurgists engaged in practice having limited exposure of principles of physical and mechanical metallurgy. The workshop will have lectures by experts on phase diagrams, phase transformations, mechanical deformation, fracture mechanics, failure analyses, remaining life assessment, component integrity, materials under corrosive environments, latest trends of energy audit and energy efficient processes. It will be our endeavors to take examples wherever needed from components that are made up of steels. The challenge of improving performance of components under service will also be indicated for possible long term collaboration with industries. We propose to devote one afternoon session of three hours duration exclusively for demonstration of characterization tools. Metallurgists would also benefit immensely by attending the workshop.

Participants: Engineers and executives from automobile, aerospace, atomic energy, railways, power plants, petrochemical industries and teachers/research students of engineering colleges and national laboratories (like DRDO/CSIR/ISRO etc.)

Topics:

- Phase Diagrams and Phase Transformations
- Structural and Microstructural characterization
- Heat Treatments
- Alloy Steels
- Fracture and Failure Analysis
- Metal Joining and Forming Processes
- Advanced Materials Processing Technologies
- Surface Engineering
- Advanced Automotive Materials
- Materials for Power Sectors
- Rail-wheel interactions
- Nuclear Materials
- Materials in Corrosive Environments
- New and Smart Materials

TR Anantharaman Education and Research Foundation (TRA-ERF)

Late Professor Tanjavoor Ramachandran Anantharaman (1927-2009), a doyen of Indian Metallurgy, has laid a strong foundation for Metallurgical Education and Research in independent India. To perpetuate his memory and carry forward his work, his students, colleagues and associates have established a charitable trust in September, 2009 with Prof. P. Rama Rao as its President. Ever since its formation, TRA-ERF has conducted numerous major workshops, national and international seminars; provided a number of annual and summer training scholarships to meritorious students of Metallurgical and Materials Engineering and also encouraged to conduct summer internships through travel grants. The TRA-ERF in association with Sir Dorabji Tata Trust has been sending the bright, young teachers engaged in Metallurgical Engineering Education to a well known University abroad for training under a distinguished mentor for a period for four months. These selected teachers are given training in teaching methodologies and attend the classes being taken by the distinguished mentor. They are also exposed to advanced research work being done by mentor. The present workshop is an important event that was devised, finalized and to be organized by this noble foundation.

Department of Metallurgical Engineering, Indian Institute of Technology (BHU)

The Department of Metallurgical Engineering at Banaras Hindu University, established in the year 1923 which is now a part of Indian Institute of Technology (Banaras Hindu University), has pioneered metallurgical education and research in this country owing to the noble thoughts and dreams of Bharat Ratna Mahamana Pandit Madan Mohan Malaviya. The first ever undergraduate and doctoral degrees in metallurgy in the country were awarded by this Department in the years 1927 and 1955 respectively. The foundations of this educational edifice were laid by Professor N.P. Gandhi and nurtured by Professor Daya Swarup and Professor T.R. Anantharaman. Subsequently, fourteen illustrious successive Heads of the Department have continued to do their utmost to enhance the levels of excellence. The Department produced record number of graduates, postgraduates and Ph.D. degree holders. The outstanding research contributions of the Department have resulted in its recognition as a Centre of Advanced Study (CAS) in Metallurgy by the UGC in 1980, the first-ever Engineering Department to be so recognized in the country. The Department has a unique distinction of receiving special assistance under CAS for four consecutive phases. Advanced Research Centre for Iron and Steel under Ministry of Steel as well as Malaviya Chair for Railway Technology from Ministry of Railways have been sanctioned in the last couple of years.

Registration

Industry	Rs. 10,000/-
Research and Development Labs	Rs. 6,000/-
Faculty of Academic Institutions	Rs. 3,000/-
P.G. Students and Research Scholars	Rs. 2000/-
Selected Undergraduate Students	Rs.1000/-

Sponsorship

Platinum	Rs. 2 lakh Five free delegates & Banner
Gold	Rs. 1 lakh Three free delegates & Banner
Silver	Rs. 0.5 lakh Two free delegates

Payment may be made by crossed Cheques/DDs drawn in favour of "MNM 2015" payable at Varanasi or wire transfer to Account No: 35232704389 of SBI, ITBHU branch, Institute of Technology (BHU), BHU Campus, Varanasi-221005. IFSC code: SBIN0011445. Swift code: SBININBB501.

Duly filled registration forms should reach to:

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