

Theme

The Institution of Engineers (India), Varanasi Local Centre in association with Department of Metallurgical Engineering (Centre of Advanced Study), IT-BHU, Varanasi under the aegis of the Metallurgy and Materials Division Board (MMDB) of Institution of Engineers (India) is organizing a two-day National Convention and National seminar during January 23-24, 2012 on the theme “**Design and Development of Materials for Advanced Technologies**” (DMAT-2012).

It is realized that the modern technology has resulted mostly from the extensive research on development of novel and advanced materials. The development of nano engineering and other advanced techniques has created new opportunities to improve materials for technological applications. However, in several cases these efforts are still evolving and require sustained support for transforming into proper technologies. The industries are looking forward to newer materials and innovative processing techniques to overcome the constraints and to improve their efficiency. In view of the never ending quest for developing new materials and process technologies, the seminar will provide an effective platform for critical discussion on important issues and exchange of ideas amongst the participants.

Seminar

The topics encompassing the design and development of advanced materials for the various industries including aeronautical, space, automobile, defence, nuclear plant, thermal power plant, marine industries etc. will be deliberated upon during the seminar.

The researchers and practitioners in the industries, research organizations and the academic institutes are encouraged to discuss the issues related to state-of-the-art of the materials and their processing technologies as well as future challenges for

various specific industries as indicated above. In this two-day seminar, experts shall deliver lectures on the specific topics. In addition, there will be oral and poster presentations by researchers and students to share their results and ideas.

Structure of the Convention

The convention shall consist of the following activities :

- Invited Lectures
 - ◆ V. Subramony Memorial Lecture
 - ◆ State-of-the-Art Lectures
 - ◆ Keynote Address
- Felicitation of Eminent Engineers
- Young Engineer Awards
- National Seminar Based on the Theme

Venue & Date

The convention and the seminar will be held on 23rd & 24th January, 2012 in the NPGMM Hall of Dept. of Metallurgical Engineering, IT-BHU

Call for Papers

Apart from the invited lectures, it is proposed to have a number of technical papers to be spread over different technical sessions. Abstracts of papers are invited, based on the theme given above. The abstracts are required to be prepared in MS-WORD format and printed on A4 sheets with Times New Roman (12 font) & 1.5 line spacing.

There will be a poster session of selected abstracts and prizes will be awarded to the three best posters presented.

Target Dates for Authors

Last date for receipt of abstract (extended) within 2 pages, including Figures and References	15 th Nov. 2011
Intimation of acceptance	15 th Dec. 2011

Registration

Registration of delegates should be made well in advance by remitting the registration fees (per delegate) as indicated below along with duly filled & in registration form.

A	Sponsored Delegate (Organisational)	Rs. 5000/-
B	Members of The Institution of Engineers (India), Delegates from Academic Institutions/ R&D Organizations	Rs. 3000/-
C	Research Scholars/Students/ Spouse accompanying Delegate	Rs. 1000/-

Advertisement in Souvenir

A souvenir will be brought out for distribution to delegates as well as to various sponsoring organizations and to all centres of The Institution of Engineers (India) across the country. Advertisements are invited from organizations for publication in the souvenir. The tariff for advertisements shall be as follows:

1. Back cover (colour) : Rs. 40,000/-
2. Inside back cover (colour) : Rs. 25,000/-
3. Inside Front cover (colour) : Rs. 25,000/-
4. Inside full page (colour) : Rs. 15,000/-
5. Inside full page (black & white) : Rs. 10,000/-

Sponsorship

Industries, Government Departments/Under-takings, R&D Organisations, Consulting Firms, Equipment Manufacturers and all concerned are invited to sponsor the national convention as Platinum, Gold, Silver or Bronze Sponsors. The fees and the entitled benefits of the sponsors shall be as follows :

Type of Sponsorship	Facilities	Fee (in Rs.)
Platinum Sponsor	3 free delegates + 1 inside full page colour advertisement + Name displayed as Platinum Sponsor	200,000
Gold Sponsor	2 free delegates + 1 inside full page colour advertisement + Name displayed as Gold Sponsor	150,000
Silver Sponsor	2 free delegates + Name displayed as Silver Sponsor	100,000
Bronze Sponsor	2 free delegates + Name displayed as Bronze Sponsor	50,000

Payments

All payments should be made through crossed demand draft drawn in favour of “DMAT-2012”, payable at Bank of Baroda, BHU, Varanasi.

Accommodation

Only limited accommodation is available on the campus on payment basis. However, a number of hotels are available in the city. The month of January being a tourist season, delegates are advised to book their accommodation well in advance.

About Varanasi

Varanasi is located at about 800 km. north east of Delhi and is well connected to major cities by train and air routes. It is believed to be the oldest living city on the earth with a large number of **temples and ghats on the bank of the river Ganges**. The weather in January is pleasant in Varanasi. Temperature during the day might be 15–20°C. In the evenings, warm clothing is required.

About The Department

The Banaras Hindu University is an internationally reputed temple of higher learning, encompassing all branches of human learning

in the same campus. The Institute of Technology has been imparting graduate and postgraduate training in all major branches of engineering and technology. The Institute has also been conducting advanced research and is consistently ranked among its peers, namely IITs and IISc. The Department of Metallurgical Engineering has been a pioneer of metallurgical engineering education and research since 1923. The Department has been the first ever engineering Department in the country to get the coveted Centre of Advanced Study by the University Grants Commission since 1980.

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Mobile : 9838507888

Registration Form

Name of the delegate:
Accompanying Person(s):
Full Address :
.....
Email :
Phone :
Mobile No. :
Fax :
Category of Delegate : A / B / C
Presenting paper : Yes / No
If Yes, Title of the Paper :
.....
Participating only : Yes / No
Preferred mode of presentation: Poster/Oral
The registration charge: Enclosed/sent by post.
Signature of delegate
Date :

N.B. Following information from the delegate(s) to be sent to us by post at the contact address given above.
(1) Registration Form
(2) DD towards appropriate Registration Fee
(3) Abstract of the Paper, in case of presentation.

25th National Convention of Metallurgical and Materials Engineers (IEI) and National Seminar on “Design and Development of Materials for Advanced Technologies”



DMAT – 2012
JANUARY 23–24, 2012



As a Part of Celebration of 150th Birth Anniversary of Mahamana Pandit Madan Mohan Malaviya Ji



Organized by

The Institution of Engineers (India), Varanasi Local Centre in association with Department of Metallurgical Engineering (Centre of Advanced Study), IT-BHU, Varanasi under the aegis of the Metallurgy and Materials Division Board (MMDB), Institution of Engineers (India) (IEI)