

Registration Form  
Two-Day Course on Testing and Characterization of Materials  
December 19-20, 2009

@ Indian Institute of Technology Madras, Chennai 600 036

I would like to Participate in the course  
(For multiple registrations use photocopies of this form)

Name : .....

Designation : .....

Organization : .....

Address : .....

.....Phone.....

E-mail : .....

Registration Fee details

Amount : .....

DD/Chq. No. : .....

Bank : .....

Signature .....

Please send the completed registration form along with Cheque / Demand draft to

ASM International Chennai Chapter  
c/o. Madras Metallurgical Services Pvt. Ltd.,  
No.24, Lalithapuram Street, Royapettah, Chennai 600014  
Phone: 044-2813 3903 Fax: 044-2813 1703, E-mail: mmspl@vsnl.com

# Two-Day Course on Testing and Characterisation of Materials

December 19-20, 2009

Venue:  
Indian Institute of Technology Madras, Chennai

Organised jointly by



ASM International Chennai Chapter



ASM International, Chennai Chapter and  
Kalpakkam-Chennai Human Resources Development Centre of IIM

[www.asmintl-chennaichapter.org](http://www.asmintl-chennaichapter.org)

## Theme and course description

The knowledge base on materials consists of information on the structure and properties measured using various testing and characterisation techniques. The practising engineer as well as the academician needs to understand the capabilities and limitations of these techniques for taking an informed decision in their materials related activities. This course intends to provide a perspective on testing and characterisation of materials by emphasising the basic principles of the techniques, their applicability and the latest developments.

## Course contents

The Course includes lectures on various topics such as

- Mechanical Testing: Hardness, Tensile, Fatigue, Impact, Creep, Failure analysis and NDT
- Microstructure: Metallography, Advances in Optical microscopy, Scanning and Transmission Electron Microscopy, X-ray Diffraction
- Chemical Characterization: Chemical Analysis, Spectroscopy
- Thermal Characterization: Thermal Analysis, DSC/DTA, Dilatometry

## Who should attend?

The course can be attended by all supervisors and engineers involved in design, manufacture and quality control of various materials. The course will also be highly beneficial to faculty members in mechanical/ production/manufacturing departments in various engineering colleges

## Faculty

Experienced and Knowledgeable Faculty are drawn from IIT Madras.

## Registration Fee

Course fee per participant  
Last Date for Registration

Rs. 4000/-  
30th November 2009

The fee includes the kit containing the course material and lunches on both days Registration fee may be paid by demand draft in favour of "ASM International Chennai Chapter" payable at Chennai.

DD/Cheque in favour of ASM International Chennai Chapter payable at Chennai to be sent along with registration form to:

ASM International Chennai Chapter  
c/o. Madras Metallurgical Services Pvt.Ltd.,  
No.24, Lalithapuram Street, Royapettah, Chennai 600014.  
Phone: 044-2813 3903 Fax: 044-2813 170  
Email: mmspl@vsnl.com

Email communication is encouraged  
Register early to avoid last minute rush and disappointment !

Course Co-ordinators:

Prof. B.S. Murty and Dr. A.S. Gandhi  
Department of Metallurgical and Materials Engineering  
Indian Institute of Technology Madras, Chennai  
E-mail: murty@iitm.ac.in and a.s.gandhi@iitm.ac.in

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**Testing and Characterization of Materials**

December 19-20, 2009, IIT Madras, Chennai

**ASM International Chennai Chapter**

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