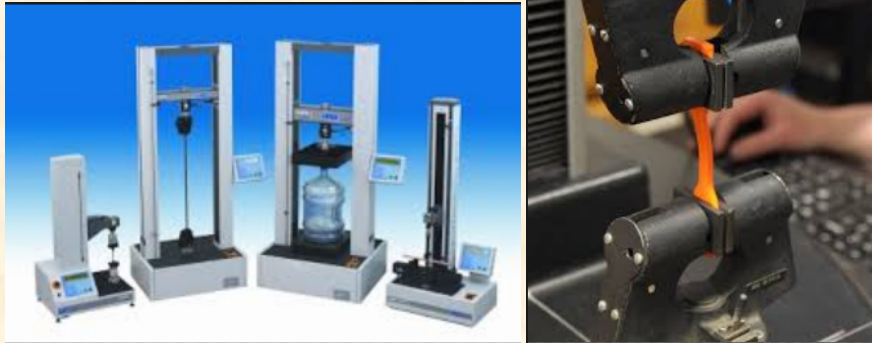




TWO DAY WORKSHOP ON “ MATERIAL TESTING ”



**ORGANISED BY
ASM INTERNATIONAL BENGALURU CHAPTER**

DATE : 23rd & 24th AUGUST 2019

TIME : 9:00 A.M. TO 5:00 P.M.

**VENUE : MSME SEMINAR HALL, RAJAJINAGAR INDUSTRIAL
ESTATE, WEST OF CHORD ROAD, BENGALURU-560010**

R. B. Dilip
Chairman
ASM (I) Bengaluru Chapter

Jyothi Sriram
Secretary
ASM (I) Bengaluru Chapter

ABOUT ASM

ASM International formerly known as the American Society for Metals, was established in 1913 as a professional body of heat treaters. It has since evolved as an international professional body of material scientists, engineers, R&D professionals and academicians with the motto of collecting & disseminating knowledge on Materials and Processes. The worldwide network of more than 38,000 individuals is led by members, guided by members' needs and fueled by members' participation. ASM offers excellent networking link, gives an instant access to wealth of information on materials & processes through its technical books, acclaimed handbooks, CD-ROMs etc. ASM International Bengaluru Chapter was formed in 2007 and has been conducting workshops/seminars/conferences regularly with the objective of providing Scientific, Engineering and Technical knowledge in the field of metallurgy and materials science for professional development in line with the mission of the Headquarters.

ABOUT BENGALURU CHAPTER

The Bengaluru chapter of ASM has been in existence for about 11 years. It has about 60 members drawn voluntarily from prominent Industries and Institutions in and around Bengaluru. The chapter is actively involved in conducting regular technical seminars and exhibitions on Heat treatment, Foundry, Forge, welding and other developments related to Materials & Processes, at Bengaluru, to update the professional and student community. The chapter is open to anyone in the relevant field becoming a member. More information & Membership forms are available at the chapter website : www.asmlrchapter.com

ABOUT WORKSHOP

In today's highly competitive market environment, where fast and reliable laboratory results play an important role in decision making and quality / process control to improve business / research output, it is of paramount importance that both beginners and working professionals, are adequately trained on the principles of Material Testing and their applicability

The Workshop is profitable for those who want to make their presence in the industries which are related to mechanical field like automobile industries, military, research and development and several others. Wide coverage is given to concepts of material testing in a lucid manner so that both the novice and expert will find the program as a useful reference for the day to day operations. Skills acquired by them will help to take advantages of workplace opportunities.

This workshop will assist in keeping up to date with current laboratory operation principles and international guidelines, while at the same time stressing the importance of selection of appropriate testing techniques to resolve day-to-day concerns / issues / failures.

PARTICIPANTS ATTENDING THE WORKSHOP WILL DEVELOP THE FOLLOWING COMPETENCIES:

- Update their knowledge on material testing methods.
- Develop skills and decision making ability on their own, to choose appropriate testing methods depending on day-today needs on shop floor / academic institutes.
- Become aware of the latest developments in testing of advanced materials.
- Improve the competitive position of their Company / academic institutes in the market.
- Help their organization to optimize their testing needs and costs.

CONTENTS OF WORKSHOP

Theory, demonstration with practical applications and exposure to international guidelines of following Material Testing methods.

1. Mechanical Testing :

- 1) Tensile testing – Young's modulus , yield strength , toughness , ductility etc
- 2) Bend test / flattening test
- 3) Hardness testing – Brinell , Vickers , Micro hardness , Rockwell , Superficial , Knoop , etc
- 4) Impact testing – Charpy and Izod
- 5) Fatigue testing
- 6) Creep testing

2. Non Destructive Testing :

- 1) Liquid Penetrant Testing
- 2) Magnetic Particle Testing
- 3) Ultrasonic Testing
- 4) Radiographic Testing
- 5) Eddy current testing
- 6) Advanced NDT methods

3. Analytical Testing :

- 1) Portable Spectroscope
- 2) Emission Spectrometer
- 3) X Ray Fluorescence
- 4) ICP – AES (Inductively Coupled Plasma – Atomic Emission Spectrometry)
- 5) Infrared spectrophotometer
- 6) Advanced Analytical methods
- 7) Chemical Analysis

REGISTRATION DETAILS

Individual Registration (ASM Members)	Rs.6,000/-
Individual Registration (ASM Non-Members)	Rs.7,000/-
Company Registration (Minimum 3 participants)	Rs.18,000/-
Student/Research Scholar Registration	Rs.2000/-
Academia Registration	Rs.3000/-

NOTE : The participants for this workshop will be limited in number based on a first-come-first-serve basis. The registration fee in the form of DD/Cheque/RTGS should be drawn in favour of “ASM International, Bangalore Chapter”, payable at Bangalore and sent to Chapter Office (Bengaluru Chapter’s Address is provided in the last page under Workshop Co-ordinators). Delegate Fee is non-refundable. Changes in nominations are acceptable. This is a non-residential programme. Out-stations Delegates are therefore requested to make their own arrangements for accommodation.

For Registration and more details, you are requested to contact the Workshop Co-ordinators (contact details are provided in the brochure)

Note: For display of your company’s banner at the venue, the charges will be Rs.10,000/-

Bank Details :

- 1. Name of Account :** ASM INTERNATIONAL BANGALORE CHAPTER
- 2. Name of the Bank & Address :** State Bank of India, SME Branch Peenya Industrial Estate, Post Bag No.1, Peenya, Tumkur Road, Peenya Industrial Estate, 1st Stage, Bangalore
- 3. Branch code:** 3024
- 4. IFSC Code :** SBIN0003024
- 5. Bank Account Number :** 30159403971
- 6. MICR CODE :** 560002037

Kindly mention the UTR Number of the Transfer in the Registration Form.

REGISTRATION FORM

Name	
Designation	
Organisation	
Postal Address	
E-mail	
Contact Number	a) Office : b) Residence :
Mobile	
Fax	
Registration Category (Please tick the applicable)	
ASM Member	
Non-ASM Member	
Company (minimum 3 nos.)	
Student/Research Scholar	
Academia	
Registration Fee is enclosed	Yes / No
DD / Cheque No./UTR No.	
Date	
Amount	

WORKSHOP CO-ORINDATORS

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