

SEMINAR ON
METALLURGY FOR NON-METALLURGISTS



Metallurgy

**Bringing the "mine" back
to "Minecraft".**

Venue: KASSIA, Bangalore

Date: 11th August 2017

Time: 9:00 A.M to 5 P.M

ORGANISED BY

ASM INTERNATIONAL,

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 and 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 and 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 10 years. It has about 50 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 and 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.asmintlbengaluru.org





AGENDA

1. Introduction

The 'how' and 'why' of the methodology used in the different type of materials and their transformation into useful products for the application in Industry, is the cornerstone of Material Science and Metallurgy.

2. Types of Process

The principal techniques that convert materials into useful products are the processes of Casting, Forging, Forming, Rolling and Powder Metallurgy, followed by various fabrication techniques of welding, machining , etc.

3. Testing and Inspection

The stage wise testing from raw material to finished product to ensure the final product specification and Inspection at various stages of evolution of the product as well as during the product life cycle

4. Heat Treatment

An operation that is performed to achieve the required physical and mechanical properties of the product to perform as per specification.

5. Material Selection

Parameters that govern the selection of suitable material to meet the end product specifications.



The one day seminar focuses on the application of Metallurgy concepts in Material Selection, techniques of production , Heat Treatment and Inspection and Testing. Bangalore being the hub of many core industries like aerospace, automobile , Foundry and forging and service industries like plating, welding ,is the ideal venue for such a workshop. The seminar would provide a forum for interaction between the industry and academia.

The topics being presented will provide an overview to

- the practising engineer to decide on the material he has to choose
- the Lab technician to know the 'how' and the 'why' of the tests he normally conducts
- the fabrication foreman to decide the most suitable welding/ joining process
- the Heat treating supervisor to select the right heat treatment process
- the production supervisor in a foundry ,Forge shop or Rolling mill as to what Methoding, heating temperatures and rolling sequence to be adopted
- the student of engineering the facets of material science which have a relevance in his field of study.



REGISTRATION DETAILS

1. Personal Registration (Members of ASM)	Rs.2000/-
2. Personal Registration (ASM Non-Members)	Rs.3000/-
3. Company Registration (Upto 3 Participants)	Rs.8000/-
4. Student Registration	Rs.500/-
5. Faculty	Rs.1,500/-

The registration fee in the form of DD/ Cheque should be drawn in favour of ASM International, Bengaluru Chapter payable at Bengaluru and sent to chapter office (Bengaluru Chapter's Address is provided in the next page under Seminar Coordinators).

Delegate Fee is non-refundable. Changes in nominations are acceptable.

This is a non-residential programme. Delegates are therefore requested to make their own arrangements for accommodation.

For Registration and more details, you are requested to contact the seminar coordinators (contact details are provided in the brochure)

Note: For display of your company's banner at the venue, the charges will be Rs.5,000/-

REGISTRATION FORM

Name	
Designation	
Organisation	
Postal Address	
Email	
Phone No	a)Office-
	b)Residence-
Mobile	
Fax	
Registration Category (Please tick the one applicable)	
a)Sponsored by	
b)Personal	
c)ASM Member	
d)Non-ASM Member	
Registration Fee is enclosed	Yes/No
DD/Cheque	
Date	
Amount	

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