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SUDHAKAR BONDE
ASM International - India Chapter
C/O. SUBODH METALLURGICALS PVT. LTD
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ASM International is a premier professional society of metallurgists, materials scientists and technologists with a membership of over 45,000 worldwide. ASM enables its members to keep abreast of the latest technological and marketing trends. It offers invaluable opportunities to interact and learn from fellow materials engineers across the country and sharpen creative vision. ASM offers excellent networking link, gives an instant access to insights and wealth of information through its technical books, acclaimed handbooks, engineering software and CD-ROMs. ASM is the information-sharing network for anyone who works with metals, alloys, composites, ceramics, polymers and electronic materials.

ASM International is the society of those who work with Metals and other Engineered Materials. A worldwide Network led by Members, guided by Member Needs and fueled by Members Participation.

ASM International, India Chapter established in the year 1979, is one of the most active chapter in the world. It organizes technical courses on subjects like Welding, Metallurgy for the Non-metallurgist, Metal Forming, Heat Treatment, Stainless Steels, Non-ferrous Metals, Thermal Spraying etc. under the Continued Education Programme for engineers and technocrats. Other activities include Conferences, Workshops and Exhibitions on recent developments in Materials Processing, Material Application Engineering, Equipment etc. at National and International levels and Materials Camp for the High School Students.

In addition, there are monthly Technical Meetings in which eminent experts from Industry, R & D National Labs and academic institutions are invited to give lectures on topics relevant to local industry. These technical meetings are well attended. A full fledge library containing all the publications of ASM, including handbooks, have been set up for the benefit of the members.

Intensive Course on
METALLURGY
FOR THE
NON-METALLURGIST
March 01 - 03, 2012

Venue :
HOTEL SAI PALACE
Nashik

CONVENER :
SUDHAKAR BONDE
Cell : 098206 04577
Email : sudhakar@subodhlabs.com

Organized by :
ASM International - India Chapter



Email : asmi@vsnl.com

ASM International-India Chapter is organising a three day Intensive Course on "Metallurgy for the Non-Metallurgist" at **Hotel Sai Palace**, Mumbai Agra Road, Nashik. during **March 01 - 03, 2012**. The course provides a concise and through overview of metallurgy as it is applied in industry today.

WHAT YOU'LL LEARN

- | How different metal / alloy systems differ in both physical and mechanical properties.
- | How phase diagrams help determine how alloys will behave.
- | Factors that affect selection of the correct materials for the job.
- | Mechanical properties and various testing methods for metals and alloys.
- | How heat treatment can provide a wide range of properties in steels and other alloys.
- | An introduction to the mechanism of corrosion and protection.
- | An introduction to various joining processes including welding, brazing and soldering.
- | Procedures for predicting and / or evaluating the performance of metals in service.
- | Surface engineering, techniques, their characteristics, limitations and criteria for their selection.

COURSE OUTLINE

- Lesson 1 Solidification of Metals
- Lesson 2 Iron-carbon Phase Diagram
- Lesson 3 Steels and Cast Irons : Industrial Applications and Properties
- Lesson 4 Nonferrous Metals : Industrial Applications and Properties
- Lesson 5 Case Hardening
- Lesson 6 Heat Treatment of Steel
- Lesson 7 Strengthening Mechanisms
- Lesson 8 Getting Metals into Usable Forms : Hot Working
- Lesson 9 Getting Metals into Usable Forms: Cold Working

- Lesson 10 Processing of Particulate Materials
- Lesson 11 Mechanical Properties and their Measurements
- Lesson 12 Joining Techniques
- Lesson 13 Corrosion and Corrosion Prevention
- Lesson 14 Surface Engineering
- Lesson 15 Materials Characterisation and the Selection Process
- Lesson 16 Quality Control
- Lesson 17 Failure Analysis

FACULTY : Experts in related fields from Industry and R & D Institutes will be the faculty of the course.

WHO SHOULD ENROLL

- ✍ Anyone who needs a working understanding of metals and their applications
- ✍ Those with no previous training in metallurgy
- ✍ Technical, Laboratory and Sales Personnel
- ✍ Engineers from Other Disciplines
- ✍ Management and Administrative Staff
- ✍ Non-technical Support Staff

COURSE FEES

Course fees per participant are :
 For members of ASM **Rs. 4,500/-**
 Others **Rs. 5,000/-**

The fee includes the handout kit containing the course material and lunches, teas, etc. and service tax 10.3%.

Demand Draft / Cheque for the fees may please be drawn in favour of **"ASM International - India Chapter"** payable at Mumbai.

Since the number of participants will be restricted, kindly register early to avoid last minute disappointment.

Discount of Rs. 500/- per participant for Five or more participants from a single organization.



Intensive Course on METALLURGY FOR THE NON-METALLURGIST

March 01 - 03, 2012

REGISTRATION FORM

Date:.....

Name

Designation.....

Organization.....

Address

.....

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Pin..... Phone.....

Fax

E-mail.....

Membership No.....

Non-Member.....

Enclosed Cheque/D.D. for Rs.....

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Signature with Stamp