



*ASM International  
Chennai Chapter*



*Hotel Jaya Pushpam  
Koyambedu, Chennai*



*15, 16 and 17  
February 2018*

3 DAY CERTIFICATE COURSE ON:

# METALLOGRAPHY

PROCESS, APPLICATION AND HANDS-ON



**ASM**  
INTERNATIONAL  
CHENNAI CHAPTER

[www.asmicc.com](http://www.asmicc.com)



## ASM INTERNATIONAL – PREAMBLE

ASM International is a society dedicated to Material Science and Engineering. Through a worldwide network ASM provides authoritative information and knowledge on materials and processes from the structural to nano scale. ASM International has 36000 members worldwide, who are involved throughout the engineered materials community as Engineers, Managers, Scientists, Marketers, Equipment manufacturers and Suppliers. The society has more than 200 professional and student chapters in more than 85 countries throughout the world. Members work primarily with metals, but also with Structural Polymers, Ceramics and Composites. Nearly 20 awards are presented yearly, to individuals and organisations, for their outstanding achievements in the materials industry, including the Distinction of ASM Fellow, bestowed on individuals for their contributions in Material Science and Engineering. ASM is dedicated to advancing the Material Science and Engineering profession and nurturing the engineers of tomorrow. ASM International foundation supports student outreach activities from high school to Graduate School through partnership programs, scholarships and student membership.



## ASM INTERNATIONAL CHENNAI CHAPTER

Inaugurated in the year 1985, ASM – International Chennai Chapter (ASMICC) led by various stalwarts activated the chapter by conducting various programs, which was duly recognised by Head Quarters with the prestigious Chapter Excellence Award for the year 2000-2001, the First Award of its kind given to a chapter outside USA. The Chennai Chapter has continued to get Five Star Awards for the last 11 years and due recognition through various awards and accolades to date for its various activities. The Chennai Chapter of ASM International provides from tailor made in-house courses to suit specific organizations to updating of latest developments by organized technical lectures and national & international seminars.



## ABOUT THE 3 DAY COURSE

To extend its services further to engineers and executives who do face material related work assignments and problems, ASM International Chennai Chapter is organizing this 3 days certificate course on Metallography. The Workshop will cover from a fundamental approach metallography and their interpretation, quality checking of materials, heat treatment, failure analysis, and an affluent of case studies. The investments in domestic in the Automotive, Transport, Engineering and Power Sectors have paved way for advancements and progressive research activities in the field of Metallography. This workshop aims to provide a detailed, applied and industrial know-how on all the elements as briefed above coupled with an amenable networking experience.



## LEARNING OUTCOME / COURSE AGENDA

1. Metallurgy Fundamentals & Specimen Preparation
  - Elements of Metallurgy
  - Metallography (Fundamentals and Specimen Preparation)
  - Introduction to Metallurgical Lab Practices
  - Steel Metallography
  - Aluminum and Its Alloys
2. Microstructural Interpretation
  - Heat Treatment, Microstructures & Performance of Carbon & Steel Alloys
  - Practical Interpretation of Microstructures
  - Metallography for Failure Analysis
  - Practical Fractography
3. Analytical Techniques
  - Advanced Metallography (Analytical Techniques)
  - Mechanical Testing of Metals
  - Scanning Electron Microscopy
  - Fundamentals of Non-Destructive Testing

**Mr. C. Ranganathan**

Chief Executive Officer

Chennai Metco Pvt Ltd

Ambattur Industrial Estate, Chennai

Ph : +91-44-2688 0737

E mail: mktg@chennaietco.com

**Course Convener**





## KEY BENEFICIARY POPULATION

- Industrial Professionals and Engineers
- Young Metallurgists
- Entry and Middle Level Lab Technicians
- Laboratory Engineers
- Quality / QA Engineers
- Process and Quality Engineers
- Design / Development Engineers
- Supply Chain Engineers
- Academia



## THE COURSE FACULTY

The workshop will provide a forum for exchange of information as well as an opportunity for discussions and networking with colleagues from industry and academia. Professionals in related fields drawn from various industries and academics will be the core faculty.

## BULLET-IN BOARD

- Participants are restricted only to 25 people, register early to avoid disappointments
- Last Date for Registration : 28 January 2018 | Until 1700 Hours |
- Scanned Forms are accepted by E-Mail
- Spot Registration is to be informed by E-Mail before 12 Feb 2018 – Availability of slot will be confirmed later

## DETAILS OF REGISTRATION :

Name

Contact No.

E-Mail

Company Name

Company Address

Cheque /DD No.

## DETAILS OF ADDITIONAL PARTICIPANTS:

S.No	Name	Contact no.
2		
3		
4		
5		
6		

## REGISTRATION FEE (Rs)

Non ASM Members	15,000
ASM Members	12,000
Students (with ID proof and bonafide)	6,000

A discount of 10% is applicable upon registration of 4 or more participants from the same organisation

Cheque / DD to be drawn in favour of:  
ASM international Chennai chapter

And to be sent to:  
ASM INTERNATIONAL CHENNAI CHAPTER  
C/O N. SAMPATH KUMAR  
AMBATTUR METAL TREATERS  
1/A1 SIDCO INDUSTRIAL ESTATE, (NEAR GODREJ AGROVAT)  
AMBATTUR, CHENNAI 600098  
PH: 044-42080500 / 1 / 2 MOBILE: +91 9841 035 501

In case of NEFT / RTGS, Please transfer to:

ACC NO - 426691493  
ACC NAME - ASM international Chennai chapter  
IFSC CODE - IDIB000R021  
BANK - INDIAN BANK  
BRANCH - ROYAPETTAH, CHENNAI - 600014

Please send the filled-in registration form to the workshop convener

## Executive



## Committee

**Dr. T. Sundararajan**  
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## 3 DAY CERTIFICATE COURSE ON **METALLOGRAPHY** PROCESS, APPLICATION AND HANDS-ON

**15, 16 and 17 February 2018**

**Hotel Jaya Pushpam, Koyambedu, Chennai**

- Last date for registration : 28 January 2018 | 1700 Hours |
- Scanned forms are accepted by E-Mail
- Participants interested in spot registration should inform by email before 12 February 2018 so as to confirm slot availability and to make necessary arrangements
- Duration of the event :
  - Day 1 ( 15<sup>th</sup> February 2018 ) : 0900 hours to 1700 hours ( inclusive of lunch and tea breaks)
  - Day 2 ( 16<sup>th</sup> February 2018 ) : 0930 hours to 1700 hours ( inclusive of lunch and tea breaks)
  - Day 3 ( 17<sup>th</sup> February 2018 ) : 0930 hours to 1530 hours ( inclusive of lunch and tea breaks)
- Contact for details and queries :
  - **Mr. C. Ranganathan**  
Course Convener,  
3 Day Course on Metallography | Process, Application and Hands-On  
Chief Executive Officer  
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