

6th ASIAN CONFERENCE HEAT TREATMENT & SURFACE ENGINEERING EXPO 2020 MARCH 05 - 07

ONE DAY WORKSHOP ON "COATINGS & THIN FILMS" ON 5th MARCH 2020 - By Dr Véronique VITRY

EXCLUSIVE TOPICS

- Fundamentals of Electrochemical deposition.
- Electro and Electroless plating.
- Introduction to Vacuum technology.
- Introduction to PVD and CVD coatings.

CONVENOR

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WORKSHOP VENUE:

Chennai Trade Centre
Mount Poonamallee High
Road, Nandambakkam,
Chennai - 600 089

www.chennaitradecentre.org

ABOUT HTSE 2020

The three-day 6th Asian Conference on Heat Treatment and Surface Engineering will host about 500+ delegates from India and Abroad. More than 150+ high quality technical papers are expected to be presented at the conference. Over 70+ exhibitors are expected to participate in the Expo and 5000+ business visitors are expected for the conference and expo. The event includes various plenary and keynote speakers from various parts of the world. The event will be co-organized and sponsored by leading industries, companies, government organizations and professional associations from India and abroad. There will be a concurrent one day workshop series on Failure Analysis and case studies & Innovative Surface Treatments and applications.

WHO SHOULD ATTEND

- Design and Development Engineers.
- Metallurgy and Materials Engineers.
- Manufacturing Engineers.
- Corrosion Engineers.
- Pipeline / Oil/ Gas/ Petroleum Engineers.
- QA / QC / Inspection Personnel.
- Fabricators, Project Supervisors.
- Students & Researchers.

ABOUT THE FACULTY



Dr Véronique VITRY

Dr Véronique VITRY graduated in Materials Engineering from UMONS and got her PhD in 2010 from the same institution. She's now a senior tenured scientist and part time associate professor at the metallurgy lab of UMONS.

Her research interests have always been related to surface treatment: first PVD coatings (at Materia Nova, Mons), then electroless nickel-boron and now PEO. She's the authors of a patent for a lead free nickel-boron plating bath but she's also interested in physical metallurgy, process metallurgy, recycling and corrosion. She teaches process-related classes in metallurgy and materials and is active in professional associations including ASM International, the Failure Analysis Society and A3TS (the French Heat and Surface Treatments Association) where she serves as vice-president.

AGENDA AND WHAT THE PARTICIPANTS WILL TAKE AWAY

Fundamentals of Electrochemical deposition.

Electroplating processes.

- Deposition mechanisms.
- Practical deposition processes.
- Formation of coatings.
- Properties and applications of electrodeposited coatings.

Electroless plating

- Mechanisms of electroless deposition.
- Practice of electroless plating: coatings that can be formed, properties and applications.
- Electroless Nickel:
 - Classes of electroless nickel, specific properties and applications.
 - Improvement's of electroless nickel by modification of the plating process and post-treatments.

Introduction to Vacuum technology.

PVD processes: evaporation, sputtering, application of PVD coatings.

CVD processes and applications of CVD coatings.

REGISTRATION FEE INCLUDING GST (Rs)

NON ASM / NON MMS MEMBERS	-	Rs. 7000
ASM /MMS MEMBERS	-	Rs. 6000
STUDENTS	-	Rs. 2000

BANK DETAILS

ACCOUNT NAME	ASM INTERNATIONAL CHENNAI CHAPTER
ACCOUNT NUMBER	032494600000404
BANK NAME	YES BANK
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