ASM International Chennai Chapter

HTSE 2023 – Speakers At a Glance

Guest of Honour and Plenary Speaker

	Dr. Navin Manjooran	Vice President, ASM International, USA & Chairman of Solve-global, USA	USA	Inventing the Future with Materials: 'The Backbone of Modern Technology & Innovation

Other Plenary Speakers

	Prof. Christopher Berndt	Former President ASM International USA & Distinguished Professor of SSIE, Swinburne University of Technology	Australia	The Extrinsic Features of Thermal Spray Microstructures that Provide Architectural Ingenuity.
	Mr. N. Gopinath	Managing Director of Fluidtherm Technology, Chennai	India	Thermal Process Prototyping & Spin-off Heat Treatment Technologies
	Mr. Kamil Siedlecki	Sales Manager at SECO/WARWICK Group / Vacuum Heat Treatment Technologies / Brazing / Hardening/ Low Pressure Carburizing	Poland	Case Hardening by Low Pressure Carburizing for Automotive and Aerospace industry
	Mr. Adam Adamek	Sales Team Leader at Vacuum Furnaces Division at Seco/Warwick Group	Poland	Case Hardening by Low Pressure Carburizing for Automotive and Aerospace industry

	Dr. M.S. Ramachandra Rao	Dept of Physics, Quantum Centre for Diamond and Emergent Materials (QuCenDiEM), Nano Functional Materials Technology Centre (NFMTC) India Centre for Lab-grown Diamond (InCent-LGD) and Materials Science Research Centre Indian Institute of Technology (IIT) Madras	India	Diamond coatings for technological applications
Keynote Speakers				
	Mr. Jason Dervish	International Sales Manager at Phoenix Temperature Measurement Ltd.	UK	Technical challenges and solutions to the complete thru-process temperature monitoring of key heat treatment applications combining heating and quench phases.
	Mr. M. Damian Bratcher	Director International Operations at Super Systems Inc., Cincinnati	USA	Modern Approach to the Quality Control of HT Processes Based on CQI-9 Requirements
	Prof. Massimo Pellizzari	University of Trento	Italy	Heat treatment of additively manufactured tool steel and selected Titanium alloys
	Prof S. Marya	Ecole Centrale de Nantes, Nantes Cedex 3, France	France	Holistic Approach for Welding and Additive Manufacturing- Role of Materials & Technologies

	Mr. Adam Adamek	Sales Team Leader at Vacuum Furnaces Division at Seco/Warwick Group	Poland	Tools and Dies heat treatment in vacuum furnaces
	Mr. Thomas Strabo Hummelshøj	CTO at Expanite A/S	Denmark	Low temperature carburizing, carbonitriding & nitrocarburizing.
	Mr. R. V. Chari	Vice Chairman at GH Induction India Pvt. Limited, Chennai	India	Recent trends in Induction Heating
	Mr. Cesar Cases	Director of GH Induction	Spain	Recent trends in Induction Heating
	Gerald Hiller	ECM Furnaces	Germany	Carburizing in a Decarbonizing World
	Mr. Manoranjan Patra	XITIZ Technomech	India	Xitiz Technology on Vacuum Heat Treatment through high performing, highly efficient and cost-effective solution for Hardening, Tempering, Annealing, Brazing, Solution Annealing, Stress Relieving and Low-Pressure Carburising through High Pressure Gas Quenching/Oil Quenching Through Horizontal and Vertical Furnaces

	Dr. Santanu Mandal	Senior GM - Technology at CUMI Murugappa	India	A Successful Collaborative Endeavor between ISRO & CUMI: Technology Absorption, Standardization & Space Qualification Process of 3-layer (Cr-Cu-Au) Metallized 99.6% Alumina Substrate for MIC Fabrication	
	Dr. Tapan Rout	Principal Scientist; R&D and Product Technology, Tata Steel Ltd., Jamshedpur	India	Large Area Graphene Based Metallic Surface is the choice for long term service life to metallic substrates	
	Dr. Dheepa Srinivasan	Chief Engineer Pratt & Whitney R&D Center United Technologies Corp. India Pvt. Ltd., Bengaluru	India	Heat Treatment Optimization of Mechanical Properties in Additively manufactured Aluminum and Nickel based Superalloys for Gas Turbine Applications	Keynote
	Dr. R. Balamuralikrishnan	Outstanding Scientist & Director, DMRL, Hyderabad	India	Specialty Steels for Strategic Applications in Defence	
	Dr. Urvesh Vala	Head of Material Engineering Technology at L&T Energy Hydrocarbon Engineering Ltd. Vadodara	India	Thermal Spray Coatings for Oil and Gas Refinery Applications	
	Dr. S.V.S. Narayana Murty	General Manager, Liquid Propulsion Systems Center, ISRO Trivandrum	India	Heat Treatment of Materials and Components for Space Applications	

	Dr. S.T. Aruna	Chief Scientist, National Aerospace Laboratory, Bangalore	India	Indigenization efforts towards the development of plasma sprayable powders and coatings for aerospace, energy and biomedical applications
	Dr. I.A. Palani	Professor, Department of Mechanical Engineering, Indian Institute of Technology, Indore	India	Experimental Investigation of Laser Nitriding and Combined Texturing of Wire-Arc Additively Manufactured NiTi Shape Memory Alloy for Biomedical Applications
	Mr Martin Strutzenberger	Area Sales Manager, Rubig Group	Austria	Economic & Ecological Impact and Advantages of Plasma-based Surface Treatments
	Dr. M. Vasudevan	Associate Director, Materials Development and Technology Group Metallurgy and Materials Group Professor, Homi Bhabha National Institute Indira Gandhi Centre for Atomic Research, Kalpakkam	India	Improving Resistance to type IV cracking of P91 Steel Weld Joints by Modifying Initial Microstructure employing Heat treatment and/or TMT Processes Prior to Welding
	K. Elanchezhian	Savitha Oil Technologies	India	Base Oils and its Trends – For Modern Heat Treatment Applications