

EMSI-2023 PRE-CONFERENCE SATELLITE WORKSHOP
6th February, 2023 at National Physical Laboratory, New Delhi
Venue: HRD Room# 1, Main Building

<i>Tentative Program Schedule</i>		
Time (IST)	Title	Speaker
08:15	Bus Leaves from Gate No. 4 of DU for NPL	
09.00-09.30	Registration	
09:35-09:40	Welcome Address	Prof. Ajit K. Mahapatro University of Delhi
09:40-09:45	Opening Remarks	Prof. Venugopal Achanta Director, CSIR-NPL, New Delhi
09:45-09:55	Overview of the workshop	Dr. A. K. Srivastava Director CSIR-AMPRI, Bhopal
09:55-10.00	Vote of Thanks	Dr. S. P. Singh CSIR-NPL, New Delhi
10.00-11.00	Lecture 1: Advances in Electron Microscopy Characterization	Dr. Markéta Machálková Tescan, OSARY holdings
11.00-11.30	Tea Break	
11.30-12.30	Lecture 2: Atomic Force Microscopy as a tool for Characterization of Mechanical Properties of thin films and surfaces	Dr. Vijaykumar Toutam CSIR-NPL, New Delhi
12.30-13.30	Lecture 3: Energy Dispersive X-ray Analysis in Electron Microscopy	Dr. Vidya N. Singh CSIR-NPL, New Delhi
13.30-14.30	Lunch Break	
14.30-16:00	Group-1: Demonstration of SEM sample preparation and SEM characterization	Dr. Jai S. Tawale CSIR-NPL, New Delhi
16:00-17.00	Group-2: Demonstration of characterization using AFM	Dr. Sandeep Singh CSIR-NPL, New Delhi
17.00-17.30	Evening Snacks	

EMSI-2023 PRE-CONFERENCE SATELLITE WORKSHOP
7th February, 2023 at Inter University Accelerator Center

Tentative Program Schedule

Time (IST)	Title	Speaker
08:15	Bus Leaves from Gate No. 4 of DU for IUAC	
9.30-9:35	Welcome	Dr. Saif A Khan
09:35-09:45	Opening Remarks	Prof. A. C. Pandey Director, IUAC
09:45-10:00	Overview of the workshop	Dr. D. Kabiraj IUAC
10.00-11.00	Lecture 1: Introduction to Diffraction Contrast Microscopy	Dr. Balaji I. Birajdar SCNS, JNU
11.00-11.30	Tea Break	
11.30-12.30	Lecture 2: Introduction to Analytical Electron Microscopy (Easily understanding of STEM, EDS, and EELS)	Dr. T. Oikawa JEOL Asia Pvt. Ltd.
12.30-13.30	Lecture 3: An Introduction to Aberration Corrected Transmission Electron Microscopy	Dr. Abhay Gautam IIT Gandhinagar
13.30-14.30	Lunch Break	
14.30-17.30	Demonstration of TEM sample preparation and TEM characterization	Mr. Ambuj Mishra and Team, IUAC
17.30-18.30	Distribution of participation certificates and feedback session	
18.30-19.00	Evening Snacks	