



Surface Science and Probes (SSPro) 2019

4th - 7th February 2019

Date	4 th Feb, Monday	5 th Feb, Tuesday	6 th Feb, Wednesday	7 th Feb, Thursday
09:50 - 10:00	Inauguration			
10:00 - 10:45	On-chip device architectures with van der Waals epitaxy Arindam Ghosh (IISc, Bangalore)	Tribology in the Modern World Nicholas Spencer (ETH Zurich)	A new twist in Graphene research: Twisted Graphene G U Kulkarni (CeNS Bangalore)	Transmission electron microscopy of Atomically thin 2D (Two-dimensional) materials: Opportunity and challenges C S Tiwary (IIT Kharagpur)
10:45 - 11:30	Surface science and engineering in nano-transistors and nano-sensors Navakanta Bhat (IISc, Bangalore)	Inkjet printable electrodes and applications Silvia Schintke (University of Applied Sciences, Western Switzerland)	Ephemeral Domain Wall-based Transistors: How do we get there? Amit Kumar (Queen's University Belfast, UK)	<i>TBA</i> S Ravi P Silva (University of Surrey, UK)
11:30 - 11:45	Tea Break			
11:45-12:30	Hybrid Plasmon-Waveguide Modes – Analysis and Application to Nano-Lasers, Heat-Assisted Magnetic Recording and SERS Paul Dawson (Queen's University Belfast, UK)	Swissnex Session	Scanning electrochemical microscopy and related techniques Eleonora Frau Silvia Schintke (University of Applied Sciences, Western Switzerland)	Surfaces - Science & Technology Group Discussion Closing Remarks (12:45 – 13:00)
12:30 - 14:00	Lunch Break			
14:00-15:30	Nanoscale SPM-based electrical characterisation of functional materials: From Ferroics to Energy related materials Amit Kumar (Queen's University Belfast, UK)	Surface Functionalization and X-ray Photoelectron Spectroscopy Nicholas Spencer (ETH Zurich)	Computational techniques to study electronic structure and physical properties of surface Chandan Bera (INST, Mohali, India)	
15:30 - 15:45	Tea Break			
15:45-17:00	Instrumentation aspects of Scanning Probe Microscopy Chintan Bhatt, (Industron Nanotechnology)	XPS: Beyond Chemical Identification Vinayak Kamble (IISER, Thiruvananthapuram)	Thin film deposition and characterizations Silvia Schintke & Eleonora Frau (University of Applied Sciences, Western Switzerland)	
		Banquet Dinner 18:30 onwards		