

Workshop on Micro & Nano fabrication 2015
16th-20th March, 2015
Schedule

Date	Time	Title & Speaker
16/3/15	8:30	Device quality nanomaterials by CVD and Aqueous combustion methods Prof. Arun M Umarji, IISc Bangalore
	10:30	Recent advancement in Micromachining, Dr.J.Ramkumar, IIT K
	11:45	Shadow mask deposition techniques for making micro/nanostructures Mr. Govind Dayal, NTU Singapore
	14:00	Micromachining of thin films and surfaces of metals and polymer using Excimer laser Mr.Syed Nadeem Aktar, IIT K
	15:00	Familiarization of facilities at the Advanced Centre for Material Science (ACMS), IIT K
17/3/15	8:30	Fundamentals of Optical Microscopy, Dr.Anandh Subramaniam, IIT K
	10:30	Optical nano-antennas for optical microscopy and surface enhanced spectroscopy , Dr. Samir K Mondal, CSIO Chandigarh
	11:45	Near field optical microscopy and spectroscopy, Prof. S. Anantha Ramakrishna, IIT K
	14:00	Lab Demonstration - Optical Microscopy lab, IIT K
	15:00	Design and development of a Confocal Microscope, Dr.Saikat Ghosh, IIT K
18/3/15	8:30	Nanoscopy and microanalysis using SEM, TEM and HRTEM, Dr. Gouthama, IIT K
	10:30	Nanofinishing of planar and 3D complex surfaces, Dr. Ravisankar, IIT Guwahati Pamp top Micro ED Machine, NIT W
	11:45	Atomic Force Microscopy and its applications -Dr. Krishnacharya Khare, IIT Kanpur
	14:00	Lithographic approaches to fabricate metallic nano-structures, Mr. Gangadhar Behera, IIT K
	15:00	Lab visit to Manufacturing/Excimer laser/metamaterials & Plasmonics Laboratories, Dr.S.K.Subbu, NIT W, Research Scholars, IIT K
19/3/15	8:30	Colloidal self-assembly, Prof.R.Vijaya, IIT K
	10:30	Organic thin films at interfaces, Dr. Viswanath Padmanabhan, Centre for Nano and Soft Matter Sciences, Bangalore
	11:45	Fabrication of Micro-optical components, Dr.Amit Agarwal, IRDE, Deharadun.
	14:00	Lithography Techniques: A tool for Micro- and Nanofabrication, Dr. Prabhat Dwivedi, IIT K
	15:00	Lab visit to Nanoscience and Nanotechnology in Nanofabrication : Top-down, Bottom-up and Beyond, IIT K
20/3/15	8:30	Silicon Microfabrication - deep trench plasma etch, Prof. Siddhartha Panda, IIT K

	10:30	Micro-fabrication and its Impact on Research and Development in Thermal-Fluid Sciences Prof. Sameer Khandekar, IIT K
	11:45	'2D and 3D plasmonic and photonic nanostructures by laser Interference lithography, Dr.Prasanta Mandal, UPES Campus, Deharadun
	14:00	Nano-structures fabrication by anodization, electro and electro-less depositions, and etching techniques, Mr. Dheeraj Pratap, IIT K
	15:00	valedictory function

