

Indian Nanoelectronics User's Programme - Idea to Innovation (INUP - i2i)
4th User Awareness Workshop on Fabrication & Characterization Facility for Nanotechnology



Nanoscale Research Facility, Indian Institute of Technology Delhi

24th - 25th September, 2022

(Offline Mode)

Workshop Coordinators: Prof. Bhasker Mitra, Prof. Samaresh Das, and Prof. Dhiman Mallick

DAY 1 (24th September 2022, Saturday)

9:15 – 10:45	Inauguration/Introduction		
9:15 – 9:20	Prof. Samaresh Das (Centre for Applied Research in Electronics, IITD)	Welcome address to Participants	
9:20 – 9:25	Prof. Neeraj Khare (Physics Department, IITD)	Introduction to INUP-i2i	
9:25 – 9:35	Dr. Sunita Verma (Scientist G, Meity)	Address to Participants	
9:35 – 9:45	Prof. Bhaskar Mitra (Department of Electrical Engineering, IITD)	Introduction to Workshop	
Cleanroom and Lithography			
9:45 – 10:30	Prof. Bhaskar Mitra (Department of Electrical Engineering, IITD)	Introduction & Usage of Cleanroom	LHC 316
Tea Break (10:30 – 11:00)			
11:00 – 11:30	Prof. Dhiman Mallick (Department of Electrical Engineering, IITD)	Lithography / RIE	LHC 316
Thin Film Deposition			
11:30 – 12:00	Prof. Vamsi Krishna Komarala (Energy Science and Engineering, IITD)	Sputtering	LHC 316
12:00 – 12:30	Prof. Neeraj Khare (Physics Department, IITD)	E-Beam Deposition	LHC 316
12:30 – 13:00	Prof. Samaresh Das (Centre for Applied Research in Electronics, IITD)	Atomic Layer Deposition (ALD)	LHC 316
Lunch Break (LHC Foyer) (13:00 – 14:00)			

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Characterization			
14:00 – 14:30	Prof. J.P. Singh (Physics Department, IITD)	Raman/PL	LHC 316
14:30 – 15:00	Prof. Anuj Dhawan (Department of Electrical Engineering, IITD)	Ellipsometry	LHC 316
15:00 – 15:30	Prof. Ankur Goswami (Material Science and Engineering, IITD)	AFM	LHC 316
15:30 – 16:00	Tea Break		LHC Foyer
16:00 – 16:30	Prof. Rajendra Singh (Physics Department, IITD)	Electrical	LHC 316
Structure/Morphology			
16:30 – 17:30	Prof. Neeraj Khare (Physics Department, IITD)	XRD/SEM	LHC 316

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DAY 2 (25th September 2022, Sunday)

10:00 – 13:00	MCQ Based Quiz, Video, Interaction, Lab Visit and Concluding Remarks	
MCQ Session		Physics Committee Room
Video Session		Physics Committee Room
Interaction		Physics Committee Room
Lab Visit		NRF, Block VI
Concluding Remarks and Feedback		
Lunch Break (Faculty Guest House) (13:00 – 14:00)		