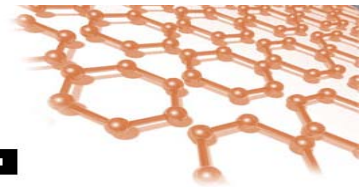


INUP
Indian Nanoelectronics Users' Programme



IIT Bombay

A project of DIT, MCIT, Govt. of India at IIT Bombay and IISc

6th INUP Hands-on Training Workshop on Nanofabrication Technologies October 10-14, 2011

Venue: GG Conference Room, Dept. of Electrical Engg, IITB
Academic Session: Program Schedule

Monday (10th October, 2011)		
8:00 – 9:00 AM	Registration	
9:00 – 9:05 AM	Welcome Address	
9:05 – 9:15 AM	Self Introduction	
9:15 – 10:45 AM	Thermal Oxidation of Silicon	Prof. Anil Kottantharayil
TEA BREAK		
11:00 – 12:00 PM	Overview of CEN facilities	Prof. R. Pinto
12:00 – 1:00 PM	Precise on-chip measurement techniques for piezo resistive sensors	Prof. Maryam Shojaei Baghini
1:00 – 2:00 PM LUNCH (Venue : Gulmohar Foyer)		
* Lab Sessions (2:15pm-7:00pm)		

Tuesday (11th October, 2011)		
9:00 – 9:45 AM	Molecular beam epitaxial growth and characterization of In(Ga)As/GaAs Quantum Dot materials and devices	Prof. Subhananda Chakrabarti
10:00 – 1:00 PM	TRIZ and Taguchi methods for Innovation and Optimization	Prof. Prakash R. Apte
1:00 – 2:00 PM LUNCH (Venue : Gulmohar Foyer)		
* Lab Sessions (2:15pm-7:00pm)		

Wednesday (12th October, 2011)		
9:00 – 9:45 AM	Semiconductor Heterojunctions	Prof. B.M Arora
9:45 – 10:30 AM	Techniques of Lithography & Wafer Bonder	Ms. Ritu Rashmi
10:30 – 11:15 AM	Dry etching of III –Nitride using ICPRIE	Mr. Tarkeshwar Patil
TEA BREAK		
11:30 - 12:15PM	Ellipsometry – Basic principles	Prof. R. Pinto
12:15 - 1:00 PM	Ellipsometry - Measurements	Mr. Sandeep Mane
1:00 - 2:00 PM LUNCH (Venue: Gulmohar Foyer)		
* Lab Sessions (2:15pm-7:00pm)		

Thursday (13th October, 2011)		
9:00 – 10:30 AM	Thin film deposition techniques	Prof. Anil Kottantharayil
10:30 – 11:15 AM	Pulsed Laser Deposition	Prof. R. Pinto
TEA BREAK		
11:30AM -1:00 PM	Applying Taguchi Method for Sensor Development	Prof. Prakash R. Apte
1:00 - 2:00 PM	LUNCH (Venue: Gulmohar Foyer)	
* Lab Sessions (2:15pm-7:00pm)		

Friday (14th October, 2011)		
9:00 – 10:00AM	Electronic Nose platform for explosive Vapour Detection	Mr. Ravishankar Dudhe
10:00 – 10:45 AM	Realization of multiferroids nanodevices	Prof. V. Palkar
TEA BREAK		
11:00 – 12:30PM	Organic Sensor platforms for Healthcare & Environmental Applications	Prof. Ramgopal Rao
1:00 - 2:00 PM	LUNCH (Venue: Gulmohar Foyer)	
* Lab Sessions (2:15pm-7:00pm)		