



Nano Mission School on NS&NT-Physical Sciences
Emerging Materials and Methods in Nanoscience and Nanotechnology
23 October-3 November 2017

PROGRAMME SCHEDULE

Date & Venue	Time (Hrs)	Programme	Speaker
23 Oct 2017 Monday Conference Hall, JNCASR	9:50-10:00	Welcome	Prof. G U Kulkarni Director, CeNS, Bangalore
	10:00-11:00	Inaugural Lecture Glimpses of the Nanoworld	Bharat Ratna Prof. C N R Rao, FRS National Research Professor and Linus Pauling Research Professor, JNCASR, Bangalore
	11:00-11:30	Tea/Coffee	
	11:30 -13:00	Synthesis of Nanomaterials	Prof. Ashok K Ganguli Director, INST, Mohali
	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
24 Oct 2017 Tuesday Lecture Hall, CeNS	9:30- 11:00	Metal -Sulfur Rechargeable Batteries	Prof. Aninda J Bhattacharyya IISc, Bangalore
	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Low Thermal Conductive Materials for High Performance Thermoelectrics	Dr. Kanishka Biswas JNCASR, Bangalore
	13:00-14:00	LUNCH	
	14:00-15:30	KPFM and CAFM Characterization of 2D layer Based Interfaces	Prof. B R Mehta IIT, Delhi
	15:30-16:00	Tea/Coffee	
25 Oct 2017 Wednesday Lecture Hall, CeNS	9:30- 11:00	Solution Processed Field Effect Transistors	Prof. K S Narayan JNCASR, Bangalore
	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Photoelectron Spectroscopy for Nanomaterials using Synchrotron Techniques	Prof. D D Sarma IISc, Bangalore
	13:00-14:00	LUNCH	

	14:00-17:30	Practical Session	
26 Oct 2017 Thursday Lecture Hall, CeNS	9:30-11:00	Growth Property Correlations in 2D materials	Prof. S Raghavan IISc, Bangalore
	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Scanning Tunneling Spectroscopy and Differential Conductance Images of Compound Semiconductors in their Lower-Dimensional Forms	Prof. Amlan J Pal IACS, Kolkata
	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
27 Oct 2017 Friday Lecture Hall, CeNS	9:30-11:00	From Minerals to Functional Materials: Experiments with VTXRD measurements	Prof. T N Guru Row IISC, Bangalore
	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Semiconductor Nanostructures	Prof. S M Shivaprasad JNCASR, Bangalore
	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
28 Oct 2017 Saturday			
29 Oct 2017 Sunday			
30 Oct 2017 Monday Lecture Hall, CeNS	9:30-11:00	Magnetic Materials and Devices	Prof. P S Anil Kumar IISc, Bangalore
	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Coupling of Elementary Electronic Excitations: Drawing Parallels Between Excitons and Plasmons	Prof. K George Thomas IISER, Thiruvananthapuram
	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
31 Oct 2017 Tuesday Lecture Hall, CeNS	9:30-11:00	Nanoindentation	Prof. U Ramamurty IISc, Bangalore
	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Raman Spectroscopy of Nanomaterials	Prof. Chandrabhas Narayana JNCASR, Bangalore

	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
01 Nov 2017 Wednesday	9:30-11:00	Langmuir-Blodgett Films	Dr. P Viswanath CeNS, Bangalore
Lecture Hall, CeNS	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Aberration Corrected HRTEM: Basics and Application in Materials Science	Prof. Ranjan Datta JNCASR, Bangalore
	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
02 Nov 2017 Thursday	9:30-11:00	X-ray Scattering Techniques to Study the Structure of Nanomaterials	Dr. Mrinmay K Mukhopadhyay SINP, Kolkata
Lecture Hall, CeNS	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Practical Session	
	13:00-14:00	LUNCH	
	14:00-17:30	Practical Session	
03 Nov 2017 Friday	9:30-11:00	Electron Microscopy of Materials	Prof. N Ravishankar IISc, Bangalore
Lecture Hall, CeNS	11:00- 11:30	Tea/Coffee	
	11:30 -13:00	Rheology of Soft Materials	Dr. Geetha G Nair CeNS, Bangalore
	13:00-13:30	Concluding Session	
	13:30-14:30	LUNCH	