

Program Schedule

March 1, 2012

Registration and Inauguration

08:00 - 09:00	Registration
09:00 - 09:15	Welcome Address and Vote of Thanks

Plenary Session:

09:15-09:45	A. Mookerjee	Unusual Structure and Magnetism in MnO Nanoclusters
09:45-10:15	J. K Bhattacharjee	In Pursuit Of A Small Exponent
10:15-10:45	High Tea	

Technical Session I: 10:45-12:35

Chairman: S.S. Manna

10:45-11:05	Invited	B.K.Chakrabarti	Two-Fractal Overlap Model of Earthquake Aftershocks: Comparisons with Data
11:05-11:25	Invited	S. Sengupta	Networked Structures From Nano-particles with Complex Interactions
11:25-11:45	Invited	Sugata Ray	Structural and Compositional Reorganization with Excess Anion Vacancy in Fe-doped BaTiO ₃
11:45-12:05	Invited	P. Mahadevan	Stability of the Bulk Phase of Layered ZnO
12:05-12:20	Contributed	B. Rakshit	Absence of Rippling in Graphene Under Biaxial Tensile Strain
12:20-12:35	Contributed	S. Pal	Frequency Dependent Electrical and Dielectric Properties of BaTiO ₃ (BTO)/ La _{0.7} Ca _{0.3} MnO ₃ (LCMO) Composite System

12:35-14:30	Lunch
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Technical Session II: 14:30-16:45

Chairman: A.S.Majumdar

14:30-14:50	Invited	B. N. Dev	Pattern Formation and Electronic Structure in Atomic-scale Thin Films
14:50-15:10	Invited	S. K. Ray	One Dimensional Semiconductor Nanostructures for Optical Devices
15:10-15:30	Invited	A. Sinha	Ion Beam Assisted Surface Nano-patterning
15:30-15:50	Invited	S. K. Chattopadhyay	Modeling of Future Nanoscale Complementary-Metal-Oxide-Semiconductor (CMOS) Devices
15:50-16:10	Invited	G. De	Mesoporous Alumina Films and Their Applications as Reusable Catalysts
16:10-16:30	Invited	K. P. Rajeev	Slow Dynamics and Phase Separation in Hard Condensed Matter: A Case Study
16:30-16:45	Contributed	D. Mandal	The Electroactive β -Phase Formation in P(VDF-HFP) Copolymer Film

16:45 - 18:00	Tea + Poster session (P1 – 22)
19:00	Conference Dinner

March 2, 2012

Technical Session III: 09:30-11:00

Chairman: S. Mukherjee

9:30-9:50	Invited	I. Manna	Nanofluids in Thermal Engineering
9:50-10:10	Invited	K. K. Chattopadhyay	Graphene Edges on Nanostructured Platform as an Advanced Electron Source
10:10-10:30	Invited	S. K. Bandopadhyay	Role of Ion beam on Functional Materials
10:30-10:45	Contributed	K. Sengupta	Large Variations in the Magnetic Ordering Behavior of EuCu_2As_2 with the Application of External Pressure and Magnetic Field
10:45-11:00	Contributed	A. Singha	Electron Correlation Effects in Nano-fabricated Semiconductor Quantum Dot

11:00-11:30	Tea Break		
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Technical Session IV: 11:30-13:00

Chairman: D. Das

11:30-11:50	Invited	A. Bid	Shot Noise in Quantum Hall Systems
11:50-12:10	Invited	A. Roy	Raman Studies on InAs Nanowires
12:10-12:30	Invited	N. Gayathri	Role of DAE Medical Cyclotron Facility for Evaluating Future Nuclear Structural Materials
12:30-12:45	Contributed	C. Bharti	Impedance Spectroscopy, X-ray Photoemission Spectroscopy, and Electronic Structure Calculations of $\text{Ba}_2\text{CeSbO}_6$
12:45-13:00	Contributed	R. Ray	Memory effects in $\text{Fe}/\gamma\text{-Fe}_2\text{O}_3$ Nanostructures
13:00 - 14:00	Lunch		
14:00 - 15:30	Tea + Poster session (P23-P40)		

Technical Session V: 15:30 - 17:30

Chairman: S. K. De

15:30-15:50	Invited	R. Ranganathan	The Reminiscent of Geometrically Frustrated Magnets in an Ordered Magnet
15:50-16:10	Invited	G. P. Das	The Extended Graphene Family and its Functionalization
16:10-16:30	Invited	S.K. Pal	Light Harvesting Nano-materials for Clean Water and Green Energy
16:30-16:50	Invited	A. Barman	Ultrafast Magnetization Dynamics in Two-dimensional Arrays of Magnetic Nanostructures
16:50-17:10	Invited	S. Banerjee	Electronic, Wetting, Stability and Magnetic Properties of Graphene
17:10-17:30	Invited	P.K. Mukhopadhyay	The fascinating world of Ferro Magnetic Shape Memory Alloys

17:30 - 17:45	Concluding Remarks
19:00	Conference Dinner