

Department of Physics, Indian Institute of Technology
In-house Symposium 14th November 2015

	Time	Speaker	Title of the talk
SESSION I 09.00-11.00 Chair: G. Markandeyulu	09.00	M.S.RamachandraRao	A historic perspective of advancements in experimental solid state physics
	09.30	Ranjith Nanda	Understanding the Metal Oxide Insulators: A Band Theory Perspective
	10.00	Sasikant	Spin selective localization in presence of disorder and interaction : A Quantum Monte Carlo study
	10.15	Jamseena V	Force generation by polymerizing filaments
	10.30	Hisay Lama	Coffee ring formation and crack morphology in drying anisotropic colloidal suspension
10.45-11.15		Coffee	
SESSION II 11.15-12.45 Chair: N Harish Kumar	11.15	VRK Murthy	Novel synthesis and analysis of physic-chemical parameters of functional microwave materials
	11.45	Jaffino	Small scale structure of space time: The role of van Vleck determinant and equigeodesic surfaces
	12.00	Ramanujaneyulu	Growth and characterization of P, N codoped ZnO thin films and nanostructures for optoelectronic applications.
	12.15	SarathSrinivas	Pairing in neutron matter
	12.30	Sharannia	Investigation of structural and magnetic properties of a Neodymium based 3d perovskite
12.45-13.30		Lunch	
13.30-15.30		POSTER SESSION	POSTER SESSION
15.30-16.00		Coffee	
SESSION III 16.00-18.00 Chair: L. Sriramkumar	16.00	S Lakshmi Bala	Quantum Entanglement: Lessons from expectation values
	16.30	C V Krishnamurthy	Modeling Heat diffusion and Elastic Wave Propagation in Polycrystals
	17.00	Tapan	Optical properties of (Cd,Zn)Se quantum dots
	17.15	Taniya Mandal	Multiple Attractors in String Theory
	17.30	Swetambar Das	Synchronization in coupled area-preserving maps
	17.45	Roby Chacko	Construction of radiofrequency multipole ion-trap experimental setup to study ion-neutral and ion-photon collisions involving interstellar medium (ISM) anions
19.30	DINNER		