



ONE DAY SEMINAR ON
RECENT TRENDS IN THE RESEARCH ON
ATOMIC, MOLECULAR & OPTICAL PHYSICS (AMO)
TO CELEBRATE THE PLATINUM JUBILEE OF THE IPS
Org. by
INDIAN PHYSICAL SOCIETY
In Association with
INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE



MARCH 17, 2010 (Wednesday)

Venue : C.V. Raman Hall, 2nd Floor, I.A.C.S. Main building

Reception : 9:00 a.m.- 9:30 a.m.

Opening Session	9:30 a.m. – 9:35 a.m.	Welcome address by Director, I.A.C.S.
	9:35 a.m. – 9:45 a.m.	Address by Chief Guest- Prof, Pradip Narayan Ghosh, Vice Chancellor , J.U.
	9:45 a.m. – 9:55 a.m.	Address by IPS President – Prof. Abhijit Mookerjee, S.N.B.N.C.B.S
	9:55 a.m. – 10:05 a.m.	Address by Convener – Prof. C. Sinha, Dept. of Theo. Phys., I.A.C.S.
	10:05 a.m. – 10:55 a.m.	Key Note Address – Prof. B.N. Jagatap, BARC

Tea Break: 10:55 a.m. – 11:15 a.m.

Session	Time	Topic	Speaker	Chaired By
Lecture Session -1	11:15 a.m. – 11:50 a.m.	Topic: Novel methods of particle acceleration and x-ray generation in intense laser matter studies	M.Krishnamurthy, <i>T.I.F.R., Mumbai</i>	Prof. B.N. Jagatap, <i>BARC, Mumbai</i>
	11:50 a.m. – 12:25 p.m.	Topic: Atomic Spectroscopy under Plasma Environment	P. K. Mukherjee, <i>R.K.M. V.U., Belur Math</i> & <i>Visva Bharati, Santiniketan</i>	
	12:25 p.m. – 01:00 p.m.	Topic: Ground state geometry and dynamical evolution of binary condensates	D. Angom <i>P. R L., Ahmedabad</i>	

Contd.

Lunch Break & Poster Session: 1:00 p.m.- 2:50 p.m.				
Session	Time	Topic	Speaker	Chaired By
Lecture Session-2	2:50 p.m. - 3:25 p.m.	Topic: Wavepacket approach to some molecular multiphoton processes	S. S. Bhattacharyya <i>Mat. Sc. Dept. ,I.A.C.S.</i>	Prof. P. Panigrahi, <i>I.I.S.E.R., Kolkata</i>
	3:25 p.m.- 4:00 p.m.	Topic: Ultracold Molecules: Controlling Atom-Molecule Conversion with Magnetic Field and Laser Light	B. Deb <i>Mat. Sc. Dept. I.A.C.S.</i>	
Tea Break: 04:00 p.m. – 04:10 p.m.				
Session	Time	Topic	Speaker	Chaired By
Lecture Session -3	4:10 p.m. - 4:45 p.m.	Topic: Effects of Photoirradiation and Electric Field on Electrical Conductivity of Materials	Nobuhiro Ohta <i>Res. Inst. For Elec. Sc., Hokkaido Univ., Japan</i>	Prof. T. Ganguly, <i>Dept. of Spectroscopy, I.A.C.S.</i>
	4:45 p.m.- 5:20 p.m.	Topic: Colloidal Metal Quantum Dots in Glasses as Novel Photonic Materials	P. Chakraborty <i>S. I. N. P.,Kolkata</i>	
	5:20 p.m.- 5:55 p.m.	Topic: Electron field emission and X-ray photoelectron spectroscopic studies from some novel carbon nanostructures	K.K. Chattopadhyay <i>Thin Film and Nanoscience Lab., Dept .of Phys.,J.U.</i>	
Closing Session	Vote of Thanks : 5:55 p.m. – 6:00 p.m.			
Coffee & Snacks: 6:00 p.m.-				