

CONDENSED MATTER DAYS-2006

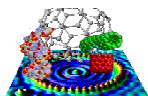
Final list of papers to be presented...

Category: INVITED (Duration ~ 30 mins.)

Sl. No.	Speaker	Affiliation	Title/Topic
I-1*	S.K. Kulsresth	Bhabha Atomic Research Centre, Mumbai	Metal Clusters and their Reactivity
I-2	A. Ghosh	Indian Association for Cultivation of Science, Kolkata	Relaxation Dynamics of Charge Carriers in Glasses and Nanocomposites
I-3	P. Mohanty	Saha Institute of Nuclear Physics, Kolkata	Heat Conduction in one-dimension : Old wine in a new bottle
I-4	A. Choudhury	Department of Physics, Tezpur University	Enhanced optical properties of CdS: Mn nanostructures elongated by energetic oxygen ion-bombardment
I-5	B.R. Sekhar	Institute of Physics, Bhubaneswar	Electronic structure of $\text{Pr}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$: A Charge Ordered Manganite
I-6**	R. Anishetty	Institute of Mathematical Sciences, Chennai	Ramchandran plot
I-7**	N. Gautam	University of Madras, Chennai	Ramchandran plot

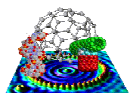
* Dr. RAJA RAMANNA MEMORIAL LECTURE

** SPECIAL SESSION ON : RAMCHANDRAN PLOT

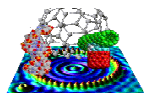


Category: POSTER (The size of the poster to be designed should be limited to 1mx1m)

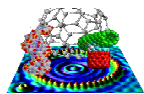
Sl. No	Author	Affiliation	Title of the paper	Mode of Presentation
1	Ritumani Goswami	Tezpur University	Use of iron oxide and Titanium dioxide nano particles for the removal of arsenic	Poster
2	Saurabh Basu	IIT, Guwahati	Thermodynamics for non-interacting electrons	Poster
3	Poulumi Dey	IIT, Guwahati	d-wave correlations for anisotropic superconductors	Poster
4	Debabrate Deb	IIT, Guwahati	Sandpile under rotational constraint	Poster
5	Manish Kr. Jha	Bose Institute Kolkata	Impedance Spectroscopic Studies in Barium – Sodium Bismuth Titanates	Poster
6	Sanjoy Datta	Saha Institute of Nuclear Physics, Kolkata	Destruction of Charge Density Wave by quantum fluctuations in one-dimensional spinless Holstein model.	Poster
7	N. Mazumdar	Gauhati University Guwahati	Study of structural and photoelectrical properties of thermally deposited ZnTe thin films	Poster
8	K.K.Chattopadhyay/ P.K.Ghosh	Jadavpur University Kolkata	Spectroscopic Studies of nanocrystalline ZnS thin films synthesized via RF-magnetron sputtering technique.	Poster
9	B.Zoliana	Govt. Zirtiri Residential Science College, Aizawl	Photoemission calculations in Cu (110) by applying the projection operator method of group theory to define initial state wave functions	Poster
10	Zaithanzauva Pachuau	Govt. Zirtiri Residential Science College, Aizawl	Application of Mathieu Potential to Calculate Photocurrent from the surface states of Transition metals and Lead salts.	Poster
11	Biswajit Bora	Centre of Plasma Physics, Sonapur	A segmented Plasma torch assembly for production of ultra fine ceramic particles	Poster
12	K. Sarmah	Gauhati University	Spectral response characteristics of photo electronic properties of PVD-TE CdSe thin films	Poster
13	R. Roy	St.Edmund' s College Shillong	Ratchet effect in underdamped inhomogeneous systems	Poster



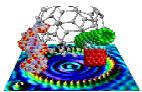
Sl. No	Author	Affiliation	Title of the paper	Mode of Presentation
14	Saswati Chakraborty/ A.Mukhopadhyay	Jadavpur University Kolkata	The effect of Non Mesogenic Impurity on the optical characteristic and orientational order parameter of 4-cyano-4-n-octyl-biphenyl (8CB)	Poster
15	S. Chaliha	Gauhati University	Optical and Electrical Properties of Thermally Evaporated ZnSe Thin Films	Poster
16	S. Chowdhury	Tezpur University	Optical and structural studies of SHI irradiated SiO ₂ coated IV-VI semiconductor quantum dots.	Poster
17	K.P. Sarma	Tezpur University	Ground Water quality of Tezpur Town- A study	Poster
18	S. Ravi	IIT, Guwahati	Crystal structure and magnetic properties of hexagonal Y _{1-x} Ce _x MnO ₃	Poster
19	Santanu Sinha	IIT, Guwahati	Finite size scaling theory for Anisotropic Percolation Clusters	Poster
20	M. Ray	Institute of Materials Science, Bhubaneswar	Rapid sintering of Al _{1+x} Zr _{1+x} MgO _y Oxides composites by thermal plasma	Poster
21	Sujata Tarafdar	Jadavpur University	Chaotic Behavior of Population on a square lattice	Poster
22	K. Prasad	T.M.Bhagalpur University, Bhagalpur	Diffuse phase transition in ferroelectric perovskites	Poster
23	D.Behera	Utkal University Bhubaneswar	Microscopic Imhomogeneity Induced Thermal Fluctuation in HTSC	Poster
24	T.P.Sinha	Bose Institute, Kolkata	Dielectric relaxation in A (Al _{1/2} Nb _{1/2}) O ₃	Poster
25	Sankar Moni Borah	IASST, Guwahati	Titanium nitride nano-structure by DC magnetron sputtering plasma	Poster
26	Nabanita Dutta	Tezpur University	Synthesis and characterization of PbS quantum dots in flexible SBR matrix	Poster
27	A. Pandey	NERIST, Itanagar	Evaluation of LaMO ₂ O ₈₋₈ as an Oxide ion conducting Ceramic	Poster
28	Janardan Kundu	National Institute of Science & Technology, Orissa	Monte Carlo Simulation of electron Transport in ZnO	Poster
29	Chandan Siam	LTK College, North Lakhimpur	On the nature of moving interference pattern in Liquid Phase	Poster
30	J. Deka / K. Baruah	Tezpur University	A Combination of laser exposed and computer interfacing technique for semiconductor device characterization	Poster



Sl. No	Author	Affiliation	Title of the paper	Mode of Presentation
31	Ghanshyam	BIT, Dhanbad	Self focusing of Gaussian spike on a laser beam in plasmas including the effect of arbitrary relativistic nonlinearity.	Poster
32	Somendra M. Bhattacharjee	Institute of Physics, Bhubanswar	Duality and phase diagram of one dimensional transport	Poster
33	S. Pan	Vishwa Bharati, W.B	Defect analysis of 140 MeV oxygen irradiated InP by positron annihilation technique.	Poster
34	V. Mishra	Institute for Plasma Research, Gujrat	Generation of Equation of state (EOS) Data for simple metals by first principle calculations	Poster
35	B. Banerjee	Visha Bharati, W.B	A plausible explanation of non zero isotope shifts in high-T _c oxides	Poster
36	Alika Khare	IIT Guwahati	Selective formation of SiO ₂ Nanostructures via Laser ablation	Poster
37	Sanjay Shah	PMB Gujarati Science College, Indore	Structural phase transition and elastic behaviour of Y and Sc antimonides	Poster
38	Anamitra Mukherjee	Harish Chandra Research Institute Allahabad	Strong coupling Jahn Teller Systems in three dimensions: Orbital Order, Change Order and Insulator Metal Transitions.	Poster
39	Surya Sankar Dan	Jadavpur University	Spin based quantum computation using electrons confined in electrostatically coupled quantum dots	Poster
40	B.P. Singh	T M Bhagalpur University	Statistical study of atomic order in binary liquid alloys	Poster
41	S.S Pohlong	NEHU, Shillong	Friction dependent mobility of an under damped particles	Poster
42	S.P. Pati	Sambalpur University, Orissa	Possible Generation of Avalanche Noise by an order in ZnS impatts compared to Conventional compound semiconductors	Poster
43	Prabhakar Undre	Dr.B.A.M. University, M.S	Temperature dependent dielectric relaxation in solvent mixtures at microwave frequencies	Poster
44	R. Konwar	Tinsukia College Assam	Laser induced fluorescences of neat polymer film with reference to the persistent lines at (12.6) and (11.6) of N ₂	Poster
45	R.K. Das	Gopalpur College Orissa	Spin orbit contribution to the EPR shift of Mn ²⁺ ion in p-type Pb _{1-x} Mn _x Te	Poster



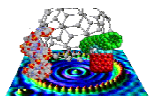
Sl. No	Author	Affiliation	Title of the paper	Mode of Presentation
46	Ramesh Ch. Deka	Tezpur University	Fragment molecular orbital method: A Computational method for large molecules	Poster
47	G.B.V.S. Lakshmi	Jamia Millia Islamia, New Delhi	Synthesis and characterization of poly(o-toluidine) and poly(o-toluidine) blends	Poster
48	Amit Tribedi	Bose Institute, Kolkata	Entangled Spin clusters: some special features	Poster
49	B.K.Choudhuri/ A.Banerjee	University of Calcutta, Kolkata	Hall effect measurement of Pb and Cr doped La MnO ₃ manganites and grain size effect on Hall coefficient	Poster
50	Maheshwar Sharon	Birla College, Kalyan	Carbon nanomaterial from Tea powder as an anode in lithium secondary batteries	Poster
51	Manjul Kumar	Sardar Patel University, Gujarat	Structural analysis and electronic properties of Li-Ga Liquid semiconductor	Poster
52	S. Athimoolam	Madurai Kamraj University, Madurai	Crystal and molecular structure of 3-Carboxypyridinium ammonium sulfate sulfamic acid solvate	Poster
53	Nidhi Saxena Bhattacharyya	Tezpur University	Development of TiO ₂ filled LDPE composite and its application as substrate material in Microwave integrated circuits (MICs)	Poster
54	K. C. Bishoyi	F.M.College, Balasore	Study of antiferromagnetism in cuprates through Raman active phonon peaks	Poster
55	P. Deb	Tezpur University	Microstructure, magnetic and magneto-optic properties of chemical synthesized nickel ferrite nanoparticles	Poster
56	K.K.Chattopadhyay/ Sk.F.Ahmed	Jadavpur University, Kolkata	Electrical characterization of multiwalled carbon nanotubes synthesized by DC-plasma enhanced chemical vapor deposition technique	Poster
57	A.K. Mukherjee	Tezpur University	Iturin- a novel class of microbial lipopeptide possessing potent antibiotic activity: Production, purification and characterization	Poster
58	P.J.Chetia	Dibrugarh University	Some studies on the optical response and electrical conduction of ZnTe Thin films	Poster
59	Subhankar Ghosh	St.Xavier' s Collge	Zinc oxide thin films and the doping asymmetry problem	Poster
60	J.Das	Institute of Material Science, Orissa	Versatile and viable route for synthesis of mono and multielemental thin films by spray pyrolysis	Poster



Sl. No	Author	Affiliation	Title of the paper	Mode of Presentation
61	M.Konwar	Dibrugarh Moran College	Time dependences of random force in various colloidal suspensions exhibiting Brownian movements	Poster
62	N. Misra/ D.Mohanta	Tezpur University	Photochromic and electrochromic response of semiconductor quantum dots	Poster
63	Asok Sen	Saha Institute of Nuclear Physics	Approach to breakdown (ductile fracture) using electrical networks	Poster
64	Bulumoni Kalita	Tezpur University	Density functional study on the str. And stability of Pd-nanoclusters	Poster
65	Abu Md.P.Hussain	Tezpur University	Electrochemical synthesis and characterization of co-polymers	Poster
66	S.S.Mahapatra	Tezpur University	Highly branched polymeric additive for commercial polyolefines	Poster
67	S.G.Prasad	Saha Institute of Nuclear Physics	90 kGy γ -irradiation effects in polyethylene from UV-Visible Spectroscopy and related techniques	Poster

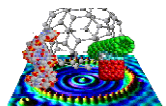
PLEASE GO TO NEXT PAGE





Category: ORAL (Duration =15 mins. Presentn. = 12 mins and Discusn. 3 mins)

SI.No.	Author	Affiliation	Title of the paper	Mode of Presentation
1	Amal Medhi	IIT, Guwahati	Variational Monte Carlo study of magnetic correlations in the bilayer t-J model	Oral
2	T.K. Nath	IIT, Kharagpur	Extraordinary Hall effect and weak localization effect in self assembled epitaxial magnetic Ni-nanocrystallites embedded in TiN matrix	Oral
3	P.Deb	Tezpur University	Magnetic and magneto-optic properties of maghemite nanoparticles prepared via a gentle chemistry route.	Oral
4	N.S. Bhattacharyya	Tezpur University	Microwave characterization of Titania filled polystyrene composites	Oral
5	Mitali Banerjee	SN Bose National Centre for Basic Sci. Kolkata	Unexpected behavior of AFe systems	Oral
6	R. Bishwal	Utkal University Bhubaneswar	Inverse velocity effect of secondary electron Induced Point defects in SHI irradiated solids	Oral
7	S. Dutta	Tezpur University	Epoxy modified mesua ferrea linn polyurethane – A polymeric dielectric material	Oral
8	D.K.Mishra	Institute of Material Science, Orissa	Effect of Hole doped in polycrystalline $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ CMR Manganites	Oral
9	A.Kumar/ K.Prasad	TM Bhagalpur University	Dielectric and electrical properties of solid solution of 0.85 PMCN –0.15 PT ceramics	Oral
10	Udayan De	Variable Energy Cyclotron Center, Kolkata	Atomic absorption spectrometric study on non-stoichiometry in oxides –application to CdO	Oral
11	M.Zulfequar	Jamia Millia Islamia, New Delhi	Electrical and Dielectric properties in $(\text{Se}_{80}\text{Te}_{20})_{100-x}\text{Ge}_x$ system	Oral
12	P.P. Sahu	Tezpur University	Silicon oxinitride : a material for compact thermo-optic waveguide device	Oral
13	U.Das	Tezpur University	Structural and optical properties of Ti^{+11} irradiated nanostructures	Oral
14	A.Kumar	Tezpur University	Swift Ni^{12+} ion irradiation effects on electrodeposited polypyrrole for application as electrode in supercapacitors	Oral
15	K.Konwar	Dibrugarh University	Naphacene and pentacene based organic thin film transistors	Oral
16	Pravin Jagadale	Birla College, Kalyan	Polymeric Nanoparticle for drug delivery : Importance of size of nanoparticle and drug for standardization of drug loading	Oral



SI. No	Author's name	Affiliation	Title of the paper	Mode of Presentation
17	A. Srinivasan	IIT, Guwahati	Magnetic and martensitic transformations in Ni-Fe-Ga alloy	Oral
18	S. Biswas	Tripura University	Orientation of carbazole molecules in the mixed Langmuir-Blodgett films	Oral
19	B.N. Mondal	Bengal Engg. & Sci. University, Howrah	Effect of isothermal treatments on the magnetic behavior of nanocrystalline Cu-Ni-Co alloy prepared by mechanical alloying	Oral
20	Ashok Rao	Sikkim Manipal Inst. of Technol. Sikkim	Effect of Mn doping on the thermal expansion of the high T_c superconductor $Y_1Ba_2Cu_3O_y$	Oral
21	Santanu K. Maiti	Saha Institute of Nuclear Physics, Kolkata	Persistent current & low-field magnetic susceptibility in n-fold twisted Möbius strips	Oral
22	P. Agarwal	IIT, Guwahati	Steady state photo carrier grating technique for measurement of charge carrier diffusion length	Oral
23	Sumathi Rao	HRI, Allahabad	Inter-edge interactions and novel fixed points at a junction of quantum Hall line junctions	Oral
24	A. K. Himanshu	VECC, Kolkata	Low temperature dielectric response of $Pb_{0.85}Ba_{0.15}(Zn_{1/3}Nb_{2/3})O_3$	Oral
25	Ayan Khan	PRL, Ahmedabad	Bose-Einstein Condensate with Time dependent Scattering length: An analytical approach	Oral