

## LIST FOR ORAL PRESENTATIONS (CMDAYS-08)

The authors are requested to confirm their participation at [cmdays08@visva-bharati.ac.in](mailto:cmdays08@visva-bharati.ac.in) by Aug. 08, 2008. Otherwise it will be assumed that you are unable to participate the event. The Participants may not be provided with the TA. Therefore participants should confirm their participation assuming that no TA will be given. Your confirmation is important to us. Also let us know your travel plan so that we can arrange your accommodation during CMDAYS-08. We also request you to send your talk in the form of pdf file before 22<sup>nd</sup> August, 2008.

1. MANASI DEVI, Tezpur University  
Title: Synthesis and characterization of iron oxide based ferrofluids
2. Dr. S. Prasad, TM Bhagalpur Univ.  
Title: ELECTRICAL BEHAVIOUR OF MODIFIED LEAD MAGNESIUM TANTALATE AND LEAD TITANATE SOLID SOLUTION
3. Dr. A. Kumar / Dr. SN Choudhury, TM Bhagalpur Univ. (Only one author will be provided with local hospitality)  
Title: DIELECTRIC AND ELECTRICAL PROPERTIES OF SOLID SOLUTION OF PMNN AND PT
4. DURGA PRASAD GOGOI, TEZPUR UNIVERSITY, TEZPUR 784028, ASSAM, INDIA  
Title: Spectroscopic studies of Mn doped ZnS nanoparticles embedded in dielectric polymer host
5. Dr. P. K. Mukhopadhyay, S.N. Bose National Centre for Basic Sciences  
Title: Transport and Elastic properties of NiFeAl Alloy studied in the vicinity of Martensitic transformation temperature
6. Dr. B. Rajinikanth, S.N. Bose National Centre for Basic Sciences  
Title: Elastic behavior of Ni-Fe-Al melt-spun ribbon studied by DMA and Vibrating Reed measurement methods
7. Namita Dutta Gupta, Saha Institute of Nuclear Physics  
Title: Synthesis & study of electro-active nano-particles and their polymer composites for novel applications
8. JYOTIPRATIM RAY CHAUDHURI, Department of Physics, Katwa College, Katwa, Burdwan-713130, WB  
Title: A simple semiclassical approach to the Kramers' problem
9. Santanu K. Maiti, Department of Physics, Narasinha Dutt College, Howrah  
Title: Metal-insulator transition in a ladder network
10. RAM KUNTAL HAZRA, INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE  
Title: Quantum Adiabatic Evolution and Artificial Atoms
11. SUMANA DUTTA, INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE  
Title: Spatiotemporal Instabilities in Chemical and Biological Systems under the Influence of External Forces
12. Esa Bose, Department of Solid State Physics, I.A.C.S., Kolkata  
Title: Low temperature magnetic relaxation, intercluster interaction and resistive switching in  $\text{Ca}_{0.85}\text{La}_{0.15}\text{MnO}_3$  manganite
13. SOMIK BANERJEE, TEZPUR UNIVERSITY  
Title: Effect of dopant concentration on the electrical and optical properties of Polyaniline nanofibers
14. Dr. Amlan K. Roy, IISER, KOLKATA  
Title: A CCG-based DFT method for electronic structure calculation of atoms and molecules
15. Dr. Barun Ray Chaudhuri, Department of Physics, Presidency College, Kolkata  
Title: Prototype neural network hardware with analog electronic circuit
16. PROSENJIT SARKAR, SERAMPORE COLLEGE, HOOGHLY  
Title: First-order magnetic transition in  $\text{Sm}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$  single crystal
17. Ashwani Kumar, University Department of Physics, T. M. Bhagalpur University, Bhagalpur  
Title: Doping Effects in  $\text{MgB}_2$ : A Pseudopotential Study
18. Sudipta Sarkar, I.A.C.S., KOLKATA

Title: CuO: A multifunctional material

19. Dr. Prabuddha Sanyal, Harishchandra Research Institute

Title: Study of B-B' site ordering and antisite defect formation, and formulation of a magnetic model for double perovskites

20. Dr. SANJAY CHATTOPADHYAY, DEPARTMENT OF PHYSICS, TAKI GOVERNMENT COLLEGE

Title: Role of defects in tailoring magneto-transport properties of rare-earth mangnaites

21. Dr. D. Behera, NIT, Rourkela

Title: Effect of BaZrO<sub>3</sub> Additions on the Microstructure and Critical Current Density in YBCO

22. Anup Kumar Nath, Tezpur University

Title: Ionic transport and interfacial stability of poly(vinylidene fluoride-hexafluoro propylene) based composite polymer electrolytes dispersed with dedoped (insulating) polyaniline nanofibers

23. Anup Pattanaik, Sambalpur University

Title: Effect of magnetic fields on specific heat of DyBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>-

24. Madhuri Mukhopadhyay. I.A.C.S. KOLKATA

Title: Nonlinear optical properties of damped quantum dots.

25. Biswajit Saha, Jadavpur University

Title: Optical and Electrical Properties of P-type Transparent Conducting CuAlO<sub>2</sub> Thin film Synthesized by Reactive Radio Frequency Magnetron Sputtering Technique

26. Author: Dr. Debnarayan Jana, Dept. of Physics, University of Calcutta

Title: Doping effects of boron and nitrogen on electronic and optical properties of single walled carbon nanotubes

Description: word document

27. Author: Sujata Tarafdar, Jadavpur University

Title: Anti-persistence in time variation of the water level of Lake Naivasha

28. Author: Dr D. Mohanta, Tezpur University

Title: Measurement of voltage gated ion channels across lipid bilayers

29. Pravanjan Mallick. Lecturer in physics, North Orissa University

Title: Observation of grain growth in swift heavy ion irradiated NiO thin films

30. Aloka Kumari, .M.B. University Bhagalpur

Dielectric Studies in Refined and Unrefined Safflower Oils

31. Haripriya Rath, Utkal University, Bhubaneswar Orissa

Title: Effect of Thermal Annealing and Swift Heavy Ion Irradiation on Nano-crystalline TiO<sub>2</sub> Thin Films"

32. Annapurna Mohanta, NIT, Rourkela

Title : Effect of BaZrO<sub>3</sub> Additions on the Microstructure and Critical Current Density in YBCO

33 Name: Dr. Chandana Rath, School of Materials Science & Technology, Institute of Technology,

34. Md. Tauhid Alam University, Department of Physics, TMBU, Bhagalpur

Title of paper: IMPACT OF EXCHANGE CORRELATION FUNCTION ON THE SUPERCONDUCTING PARAMETERS OF MgB<sub>2</sub>

35. Rajib Batabyal, I.A.C.S., KOLKATA

Title: Self-assembled aligned nanostructures on Si(110) surfaces : A photoemission electron microscopy study

36. Dr Abhijit De, Presidency College, Kolkata

Title: FTIR Basics and Applications to Inorganic Materials and Polymers

37. Kalachand Dash, Lecturer in Physics, Gopalpur 761002, Orissa

Title of paper: Electronic structure of high density carrier states in n- and p- type

38. Dr Tarun Kumar Dey, L.S college , Muzaffarpur-842001

Title of paper: Theoretical scheme for thermodynamics of dense simple fluids

39. Bichitrananda Dash, Department of Physics, S.V.M. College, Jagatsinghpur,

Title : SHI induced modification of BiFeO<sub>3</sub> thin films prepared by sol-gel method?

40. Priyadarshini Dash, Department of Physics, Utkal University, Bhubaneswar.

Title: Surface modifications of gold thin films by swift heavy ion irradiation?

41. Name: Rajib Biswal, Department of Physics, Utkal University, Bhubaneswar

Title: Point defects mediated lattice parameter variation in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-y</sub> thin films by swift heavy ion irradiations induced low energy electrons?

42. Dr. Pratibindhya Nayak, Sambalpur University (**only one talk may be presented and the other may go as poster**)

Title:1. Effect of magnetic fields on specific heat of DyBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>-

2. Electron-phonon interaction and temperature dependence of resistivity in heavy fermion systems

43. D YAGNAJA, OSMANIA UNIVERSITY

Title: HARD SPHERE LITHOGRAPHY FOR NANO FABRICATION

44. Dr. P K. Datta, Ghskara College

Title: Delocalization in correlated disordered nonlinear chains

45. Shyamal Konar, Visva-Bharati (**No accommodation needed**)

Title: 1. Nanowires on Si(001): Density function study (**only one manuscript is allowed**)

2. Structure, energetics and stability of Pt nanotubes

46. Prof. S. Pati, Sambalpur University

Title: Studies on growth, mechanical and electrical behaviour of acid doped glycine sulphate crystals.