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153. Kantesh Balani, A. Gupta, S Sharma, doped 8 mol% yttria stabilized zirconia nanoccrystalline electrolyte material for enhancement in ionic conductivity and low-temperature operation for Solid Oxide Fuel Cells, ICAMMP-2011 (Internationl Conference on Advances in Materials and Materials Processing), IIT Kharagpur, Dec. 9-11, 2011.
154. Kantesh Balani, A. Gupta, S. Omar, Ceria doped 8 mol% yttria stabilized zirconia nanocomposite electrolyte for enhanced ionic conductivity and low-temperature operation of Solid Oxide Fuel Cells, 65th Annual Technical Meeting (ATM) of the Indian Institute of Metals (IIM), Hyderabad, India, Nov. 15-16, 2011.
155. Kantesh Balani, Md. A. F. Afzal, P. Kesarwani, K. M. Reddy, S. Kalmodia, B. Basu, Functionally graded hydroxyapatite-alumina-zirconia, MS&T 2011, Columbus Ohio, USA, Oct. 14-18, 2011.
156. Kantesh Balani, V. Kumar, R. Shekhar, Govind, Effect of hot rolling on microstructure and texture evolution of Mg-Li alloy, 5th Light Metals Technology Conference, Luneburg, Germany, 19-22 July, 2011.
157. Md. A. F. Afzal, Kantesh Balani, P. Kesarwani, K. M. Reddy, S. Kalmodia, B. Basu, Functionally Stepped Hydroxyapatite-Alumina-Zirconia: Potential Bone-Implant, Bio2011, Kolkata, India, Jul. 21-23, 2011.
158. Dipak Mazumdar, Academia, Research and Industry Synergy: an overview of the national scenario vis a vis the role of IIT Kanpur Invited Paper, Procd., ICS-2012, Dresden, Germany In Press, 2012.
159. S. Shekhar, S. Abolghashem, S. Basu, J. Cai, M. Ravi Shankar, Interactive Effects of Strain, Strain-rate and Temperature on Microstructure Evolution in High Rate Severe Plastic Deformation, ICOTOM 2012, Mumbai, India, 2012.
160. Gouthama, S. Giribaskar, K. S. Suresh, and Satyam Suwas, Evolution of Microstructure and Crystallographic Texture in AA2014 Aluminium Alloy during Equal Channel Angular Extrusion, ICOTOM 2012, Mumbai, India, 2012.

161. Gouthama, A.P. Murugesan, S. Giribaskar, Metallographic Studies on Deformation Microstructures of ECAE Processed AA2014 Aluminium Alloy, ICOTOM 2012, Mumbai, India, 2012.
162. Gouthama, Wahdat Ullaha, Ultrafine Grained Microstructure in Al-Cu-Si Alloy Obtained by Accumulative Roll Bonding Process, Materials Science Forum, 2012.
163. Gouthama, J. Bhagyaraj, Venkata Ramaiah, C. N. Saikrishna and S. K. Bhaumik, TEM Studies on the Microstructural Changes during Thermomechanical Cycling of NiTi Shape Memory Alloy Wire, Materials Science Forum, 2012.
164. Gouthama, Bollineni Yugesh, A Cross-sectional TEM Study of Abrasive Water Jet Cut Surface, Materials Science Forum, 2012.
165. Gouthama, S. Giribaskar and R. Prasad, Ultra-Fine Grained Al-SiC Metal Matrix Composite by Rotary Swaging Process, Materials Science Forum, 2012.
166. Gouthama, Vipin Jain, Wei Yuan, R. S. Mishra and Anil K. Gupta, Directional anisotropy in the mechanical behavior of friction stir processed and aged AZ91 alloy, ICOTOM 2012, Mumbai, India, 2012.
167. Gouthama, Sivagnanapalani, and M Sujata, Elemental Distribution Characteristics Across γ-TiAl:TiAlV Diffusion Bond Interface, Materials Science Forum, 2012.
168. Gouthama, S. Mahanty and Tapendu Mandal, Effect of Environment on the Surface Modification by Pulse Laser Irradiation of Al-Si/SiCP MMCs Materials Science, Materials Science Forum, 2012.
169. Gouthama, Giribaskar, and R. Prasad, Dynamic Recrystallization in Al-Li based Alloy during Equal Channel Angular Extrusion S.Materials Science, ICOTOM 2012, Mumbai, India, 2012.
170. Monica Katiyar, Arjun Singh, Saumen Mandal, Vandana Singh, Ashish Garg, Ink jet printed PEDOT:PSS for organic devices, XVIth International workshop on the physics of Semiconductor Devices (IWPSD -2011), IIT Kanpur, December 19-22, 2011.
171. Monica Katiyar, Gangadhar Purohit, Manish Shankar, Deepak, S. Dhamodaran, Fabrication of nano-gap electrodes using a focused ion beam for measuring electrical properties of molecular scale transistors, XVIth International workshop on the physics of Semiconductor Devices (IWPSD -2011), IIT Kanpur, December 19-22, 2011.
172. Monica Katiyar, Asit Prakash, White polymer light emitting diode using blend of fluorescent polymers, XVIth International workshop on the physics of Semiconductor Devices (IWPSD -2011), IIT Kanpur, December 19-22, 2011.
173. Monica Katiyar, Shivam Rastogi, Kurunthu Dharmalingam, and Ashish Garg, Understanding Degradation Mechanism of Bulk Heterojunction Organic Photovoltaic Devices, XVIth International workshop on the physics of Semiconductor Devices (IWPSD -2011), IIT Kanpur, December 19-22, 2011.
174. K. Mondal, S. Sharma, S. Sangal, High Strength Carbide-free Bainitic Steels, ICAMMP 2011, IIT Kharagpur, 9-11th December 2011.
175. K. Mondal, S. Sarkar, C. Chattopadhyay, A. Barman, A. P. Moon, S. Sangal, Simulated isothermal transformation kinetics from non-isothermal transformation data, ICAMMP 2011, IIT Kharagpur, 9-11th December 2011.
176. K. Mondal, C. Chattopadhyay, S. Sangal, On the Preferred Growth Direction of Primary Dendrite, ISMANAM 2011, Gijon Spain, 2011.

177. K. Mondal, Crystallization of Metallic Glass, Indian Science Congress, January 3-7, 2012.

Mechanical Engineering

178. D. K. Singh, Optimum Threshold for Digital Holographic Particle Field Characterization, Digital Holography and Three Dimensional Imaging Conference, OSA, University of Tokyo, Japan, May 9-11 (2011).
179. Anurag Gupta, Evolution of incompatibility during growth, Society of Natural Philosophy meeting, East Lansing, MI, USA, October, 2011.
180. Akhilendra Pratap Singh, An Experimental Investigation of Combustion, Emissions and Performance of a Diesel Fuelled HCCI Engine, SAE INDIA International Mobility Conference-2012, New Delhi, India, January 2012.
181. Jitendra Gangwar, Comparative Study of PM Mass and Chemical Composition from Diesel and Biodiesel Fuelled CRDI SUV Engine, SAE INDIA International Mobility Conference-2012, New Delhi, India, January 2012.
182. Pravesh Chandra Shukla, Macroscopic Spray Parameters of Karanja Oil and Blends: A Comparative Study, SAE INDIA International Mobility Conference-2012, New Delhi, India, January 2012.
183. Avinash Kumar Agarwal, Oxidation Stability, Engine Performance and Emissions Investigations of Karanja, Neem and Jatropha Biodiesel and Blends, SAE World Congress 2011, Detroit, USA, April 2011.
184. Avinash Kumar Agarwal, The Secondary Organic Carbon (SOC) Formation from a CRDI Automotive Diesel Engine Exhaust, SAE World Congress 2011, Detroit, USA, April 2011.
185. Avinash Kumar Agarwal, Experimental Investigation on Intake Air Temperature and Air-Fuel Ratio Dependence of Random and Deterministic Cyclic Variability in a Homogeneous Charge Compression Ignition Engine, SAE World Congress 2011, Detroit, USA, April 2011.
186. Avinash K. Agarwal, Oxidation Stability of Biodiesel Produced from Non-Edible Oils of African Origin, SAE World Congress 2011, Detroit, USA, April 2011.
187. P. S. Ghoshdastidar, Simulation of Mixed Convection Air Cooling of Protruding Heat Sources Mounted on One Side of a Vertical Channel, ASME 2011 International Mechanical Engineering Congress and Exposition, Denver, Colorado, USA, November 11-17, 2011.
188. P.S.Ghoshdastidar, Coupled Map Lattice Simulation of Heat Flux Controlled Atmospheric Saturated Pool Boiling of Water and Nanofluids on a Flat Plate, 21st National & 10th ISHMT-ASME Heat and Mass Transfer Conference, IIT Madras, December 27-30, 2011.
189. Shantanu Bhattacharya, Plasma Modification of Polymer Surfaces and Their Utility in Building Biomedical Microdevices, 8th International Symposium on Polymer Surface Modification, Danbury, Connecticut, Danbury, Connecticut, USA, June, 2011.
190. S.K. Choudhury, A Regression Model for Force and Surface Roughness, CIRP HPC-2012, Zurich, Switzerland, June, 2012.

191. Arun K Saha, Control of vortex shedding past a square cylinder using splitter plate at low Reynolds number, 38th National and 4th International Conference on Fluid Mechanics and Fluid Power, Bhopal, December 2011.
192. Sourayon Chanda, Numerical Simulation of Natural Convection in a Pin-Fin Heat Exchanger, 38th National and 4th International Conference on Fluid Mechanics and Fluid Power, Bhopal, December 2011.
193. P. Venkitanarayanan, Fracture in Layered Plates having Property Mismatch across the Crack Front, SEM Annual Conference and Exposition on Experimental and Applied Mechanics, Uncasville, CT, USA, USA, JUNE, 2011.
194. C. K. Desai, Measurement of Cohesive Parameters of Crazes in Polystyrene Film, SEM Annual Conference and Exposition on Experimental and Applied Mechanics, Uncasville, CT, USA, USA, JUNE, 2011.

Physics

195. Abhishek Chowdhury, Defect induced controlled modification of localized subsurface electrical properties using multiple focused ion beamlets: Experiments and Simulation, India Australia International Workshop on Nanotechnology In Materials and Energy Application (IAWNT 2011), Jadavpur University, Kolkata, December 29-31, 2011.
196. Samit Paul, Physics of Capillary Guiding of Focused Ion Beams, 26th National Symposium on Plasma Science and Technology (PLASMA 2011), Birla Institute of Technology (BIT), Patna, December 20-23, 2011.
197. Debaprasad Sahu, A Comparative Study of Negative Ion Parameters in Pulsed and Continuous Wave Models in a Microwave Driven Upper Hybrid Resonance Plasma Source, 26th National Symposium on Plasma Science and Technology (PLASMA 2011), Birla Institute of Technology (BIT), Patna, December 20-23, 2011.
198. Shail Pandey, Observation of Electron Plasma Wave s inside Large Amplitude Electromagnetic Pulses in a Temporally Growing Plasma, 26th National Symposium on Plasma Science and Technology (PLASMA 2011), Birla Institute of Technology (BIT), Patna, December 20-23, 2011.
199. S. Bhattacharjee, New frontiers in nanoscience and technology using multi element focused ion beams (MEFIB) from compact microwave driven plasmas, 14th International conference on Ion Sources (ICIS 2011), Giardini Naxos, ITALY, September 12 - 16, 2011.
200. Debaprasad Sahu, Optimization of negative ion current and density in a compact microwave driven upper hybrid resonance multicusp plasma source, 14th International conference on Ion Sources (ICIS 2011), Giardini Naxos, ITALY, September 12 - 16, 2011.
201. Sudeep Bhattacharjee, Micro and Nano Focused Ion Beams for New Physics and Applications, Orientation Workshop on Radiation Science and Applications, Christ Church College, Kanpur, February 10-11, 2012.
202. Sudeep Bhattacharjee, Nanoscale Physics and Applications Using Multi Element Focused Ion Beams, 1st Annual World Congress in Nano Science and Technology, Dalian, CHINA, October 23-26, 2011.

INVITED TALKS DELIVERED

Aerospace Engineering

1. Debopam Das, Flow Visualization and Particle Image Velocimetry, NIT Calicut, Lectures in workshop, Calicut.
2. D. P. Mishra, Micro-combustion, Department of Mechanical Engineering, IIT, Gandhinagar.
3. D. P. Mishra, advances in Combustion, NCVET 2012, Ahmadabad.

Biological Science and Bioengineering

4. R. Sankararamakrishnan, Flexible peptide ligands in target recognition: Molecular dynamics simulations of GPCR peptide hormones and BH3 peptides, Indo-UK Workshop on Trends in Protein Biophysics: From In silico Molecules to In vivo and vitro Proteins, University of Warwick, U. K. May 2011.
5. R. Sankararamakrishnan, Bioinformatics in Education & Research: Challenges for the next decade, Seminar on Recent Trends in Biosciences and Bioengineering to Celebrate National Education Day, CSJM University, Kanpur, Nov. 2011.
6. R. Sankararamakrishnan, Plasticity of hydrophobic grooves in anti-apoptotic Bcl-2 proteins, International Interdisciplinary Science Conference 2011 On Bioinformatics: An interface between Computer Science & Biology, Jamia Millia Islamia, New Delhi. Nov. 2011.
7. R. Sankararamakrishnan, Stability and dynamics of non-covalent interactions in protein structures, International Conference on Mathematical Biology, Indian Institute of Science, Bangalore. July 2011.
8. R. Sankararamakrishnan, Predicting the Function of Biomolecules: Available Bioinformatics Tools & Their Applications, National Workshop on Bioinformatics Tools and Their Applications. National Bioinformatics Infrastructure Facility of DBT, D. G. College, Kanpur, Nov. 2011.
9. R. Sankararamakrishnan, Computer Simulation Studies of Bcl-2 Family of Proteins: HPC Application in Cancer Drug Discovery, Symposium on HPC Applications. IIT-Kanpur, Mar. 2012.
10. Amitabha Bandyopadhyay, Precise restriction of BMP signaling is essential for articular cartilage formation, Indian Society of Developmental Biology, Meeting presentation, Jaipur.
11. Amitabha Bandyopadhyay, BMP signaling in bone and articular cartilage development, TIFR, Pune, Developmental Biology Talk Series, Pune.
12. Amitabha Bandyopadhyay, Precise restriction of BMP signaling is essential for articular cartilage formation, SCIMST, Trivandrum, Trivandrum.
13. Ashok Kumar, Supermacroporous Cryogels for Biomedical and Biotechnological Applications, Biosep company & COBIK Center, Collaboration, Ljubljana, Slovenia, 21st December 2011.
14. Ashok Kumar, Bio-Mimetic Materials for Biomedical Research, Institute of Microbial Technology (IMTECH), Chandigarh, Chandigarh, 14th March, 2012.

15. Ashok Kumar, Tissue Engineering: Where Medicine and Engineering Merge, Postgraduate Institute of Medical Science and Research (PGI), Chandigarh, Chandigarh, 15th March, 2012.
16. Ashok Kumar, Bioengineering: An Emerging Area of Education & Research, Indian Institute of Technology Ropar, India, Ropar, Chandigarh, 14th, March, 2012.
17. Ashok Kumar, New Design of Biomaterials for Biomedical Applications, Jammu University, Jammu, 18th Feb., 2012.
18. Jonaki Sen, Topographic maps: connecting the retina to the brain, Indian Society of Developmental Biologists, Annual meeting, Jaipur, India.
19. Jonaki Sen, Connecting the retina to the brain, Chhatrapati Shahu Ji Maharaj University, Kanpur, Kanpur, India.
20. K. Subramaniam, Nuclear export of mRNAs: an unexpected novel function for the germ cell protein PUF-8, Annual Meeting of the Society of Biological Chemists (India), Central Institute for Aromatic and Medicinal Plants, Lucknow.
21. K. Subramaniam, Caenorhabditis elegans as a model nematode for studies on plant-parasitic nematodes, Annual Meeting of the Nematological Society of India, Thiruvananthapuram.
22. K. Subramaniam, Free-living to the rescue of parasite biology: the usefulness of Caenorhabditis elegans for studies on parasitic nematodes, Fifth Symposium on Molecular Medicine, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi.
23. S. Ganesh, Cause and consequence of polyglucosan bodies in Lafora neurodegeneratrive disorder, Symposium on Population Genetics and Chromatin Dynamics, Banaras Hindu University, Varanasi (January 22-23, 2012).
24. S. Ganesh, Cause and consequence of polyglucosan bodies in Lafora neurodegeneratrive disorder, Symposium on Frontiers in Neuroscience & Genetics, Indian Institute of Chemical Biology, Kolkata (December 23, 2011).
25. D. S. Katti, Surface modification of poly (lactide-co-glycolide) microfibers for improved protein interactions, Government org., IMMT Bhubaneswar.
26. D. S. Katti, Recapitulating tumor microenvironment in biomaterial based 3D in-vitro tumor models, Government org., Hyderabad.
27. D. S. Katti, Carbon nanostructures: next generation of cancer therapeutics/Co-therapeutics, Government org., Amrita University, Kochi.
28. Balaji Prakash, Catalytic mechanisms in GlmU deciphered by structural studies, OSDD; CSIR New Delhi, New Delhi.
29. Balaji Prakash, Structure-functional relationships in a novel set of GTP binding proteins, BITs pliani Hyderabad, Hyderabad.
30. Balaji Prakash, Structural basis governing GTP hydrolysis mechanisms, Guha Research Conference, Jodhpur.
31. Balaji Prakash, A novel Magnesium mediated product release mechanism revealed by structural studies on GlmU, Govt. Holkar Science College, Indore.
32. Balaji Prakash, A novel Magnesium mediated product release mechanism revealed by structural studies on GlmU, University of Delhi, New Delhi.
33. Balaji Prakash, Structure-functional relationships in a novel set of GTP binding proteins, JNCSAR, Bangalore.

Chemical Engineering

34. Santosh K Gupta, Polymerization Reaction Engineering: a Personal Journey, University of Akron, Polymer Engineering Dept., Akron OH, USA, University of Akron, Polymer Engineering Dept., Akron OH, USA.
35. Santosh K Gupta, Multi-objective Optimization (MOO) using Biomimetic Adaptations of Genetic Algorithm (GA), University of Western Ontario, London, ON, Canada, University of Western Ontario, London, ON, Canada.
36. A. Ghatak, Easy Puncturing of Soft Gels with Multi-tip Needles, Nano-indentation conference, Leibnitz Institute for New Materials, Saarbrucken, Germany.
37. A. Ghatak, Adaptive adhesion via subsurface network of fluid-filled micro-channel, Gordon Research Conference on Adhesion Science, USA.
38. A. Ghatak, Two stories on fracture and adhesion with soft gels, School of Engineering and Applied Sciences, Harvard University, School of Engineering and Applied Sciences, Harvard University.
39. PK Bhattacharya, Pervaporation, Potential Membrane Technology for Typical Liquid Mixtures Separations, THERMIC, Dr. Ambedkar Institute of Technology for Handicapped U.P., Kanpur.
40. PK Bhattacharya, Pervaporation, Potential Membrane Technology for Typical Liquid Mixtures Separations, Pt. Madan Mohan Malviya at Chemical Engineering Department, BHU, Pt. Madan Mohan Malviya at Chemical Engineering Department, BHU.
41. PK Bhattacharya, Organic-aqueous/organic-organic liquid mixtures separations through pervaporation: emerging membrane based technologies, International Conference on Membranes: Environmental and Biological Applications, Centre for Environment Education and Technology (CEET), Kottayam, Kerala.
42. Nishith Verma, Lattice Boltzmann modeling of liquid-vapor two phase flow, Department of Physics, University of Saarbrucken, Germany, University of Saarbrucken, Germany.
43. G. Deo, Effect of Iron on Supported and Unsupported Nickel and Cobalt Catalysts, 2nd Indo German Workshop on Advances in Reaction and Separation Processes, Bad Herrenalb, Germany.
44. Joshi Y. M., Effective time theory and prediction of long time rheological behavior in soft glassy materials, Department of Polymer Engineering, University of Akron, Akron, US.
45. Joshi Y. M., Effective time theory and prediction of long time rheological behavior in soft glassy materials, Southern Clay Products, Louiseville, US.
46. Joshi Y. M., Structure and rheology of aqueous Laponite suspension, Southern Clay Porducts, Louiseville, US.
47. Singh JK, Surface phase transition of patchy particles, Indo-US, New Delhi.
48. Singh JK, Molecular simulations for engineering applications, HPC Users' Meet, Kanpur.
49. Singh JK, Computational Nanoscience and Engineering Applications, GM India, Bangalore.
50. Siddhartha Panda, Electrolyte Insulator Semiconductor based Microfluidic Biosensor for Early Disease Detection, Department of Electrical Engineering, IIT Bombay, IIT Bombay.

51. Siddhartha Panda, Organic Semiconductor Based Chemical Sensors, Workshop on Emerging Trends in Carbon Nanotubes, IIT Kanpur.
52. Siddhartha Panda, Silicon Microfabrication, Deep Trench Plasma Etch, Workshop on Micro and Nano Fabrication, Kanpur.
53. Siddhartha Panda, Nanocoatings in Microchannels, Effects on Fluid Flow, National Conference on Nanoscience and Nanotechnology, Aligarh Muslim University.
54. R. Pala, Design of photoelectrochemical systems using non-native nanostructures, BARC, Mumbai.
55. R. Pala, Design of photoelectrochemical systems using non-native nanostructures, IIT-M, Chennai.
56. P. A. Apte, Fundamentals of thermodynamics, Department of Chemical Engineering, VNIT Nagpur, Nagpur.
57. R. Pala, Design of photoelectrochemical systems using non-native nanostructures, CECRI, Karaikudi.
58. Ashutosh Sharma, Self-organized Meso-Fabrication and Functionalities in Highly Confined Soft Materials, Tata Institute of Fundamental Research (Mumbai), Mumbai.
59. Ashutosh Sharma, Self-organized Meso-Fabrication and Functionalities in Highly Confined Soft Materials, National Physical Laboratory, New Delhi, New Delhi.
60. D. Kunzru, Monolith Reactors for Heterogeneous Reactions, Dept. of Chemical Engineering, Institute of Chemical Technology, Mumbai.

Chemistry

61. J. K. Bera, Zing Conference in Coordination Chemistry, Mexico.
62. J. K. Bera, 5th EuCheMS NLigands Conference, Spain.
63. J. K. Bera, XIX European Conference on Organometallic Chemistry, France.
64. J. K. Bera, CRSI Bronze medal lecture, Trivandrum.
65. J. K. Bera, 3rd Indo-German Symposium in Chemistry, IIT Bombay.
66. J. K. Bera, Indo-Europe symposium: Frontiers of Chemistry, NISER, Bhubaneswar.
67. J. K. Bera, CRSI-RSC Joint Symposium, Bhubaneswar.
68. A. Chandra, Vibrational spectral diffusion and molecular motion in supercritical water and aqueous solutions, La Grande Motte (University of Montepillier), France.
69. A. Chandra, Molecular simulations of liquids and interfaces: An HPC activity at IITK, IISER, Bhopal.
70. A. Chandra, Time dependent vibrational spectroscopy of supercritical water and aqueous solutions, NISER Bhubaneswar.
71. A. Chandra, Dynamical structure of water, Presidency University, Kolkata.
72. A. Chandra, Chemical dynamics in aqueous media: Hydrogen bond fluctuations and vibrational spectral diffusion, Bhabha Atomic Research Centre, Mumbai.
73. A. Chandra, Chemical dynamics in aqueous media, Jadavpur University, Kolkata.
74. A. Chandra, HPC at IIT Kanpur, IIT Kanpur.
75. A. Chandra, Time dependent vibrational spectroscopy of normal and supercritical water, University of Burdwan, West Bengal.
76. A. Chandra, 32nd International Conference on Solution Chemistry, La Grande Motte, Montpellier, France.

77. A. Chandra, Indo-European Symposium on Frontiers of Chemistry, NISER, Bhubaneswar.
78. A. Chandra, Celebration of International Year of Chemistry – 2011, Presidency University, Kolkata.
79. A. Chandra, Trombay Symposium on Radiation and Photochemistry, BARC, Mumbai.
80. A. Chandra, National Seminar on Recent Advances in Chemistry, Jadavpur University, Kolkata.
81. A. Chandra, National Seminar on Recent Advances in Chemical Sciences, University of Burdwan.
82. A. Chandra, New Frontiers: Shifting Trends in the Global Research Landscape and their Impact on Researchers' Career Patterns, New Delhi.
83. V. Chandrasekhar, Single Molecule Magnets: Recent Advances, SRM University, Chennai.
84. V. Chandrasekhar, Phosphorus–Supported Ligands: Versatile Coordination Platforms for the Assembly of Molecular Materials, 13th CRSI National Symposium in Chemistry, Bhubaneshwar.
85. V. Chandrasekhar, Single-Molecule Magnets: Synthetic Strategies, Functional materials Conference, Sweden.
86. V. Chandrasekhar, Chemistry and Polymers – A Story of the Metathesis Reaction Advances in Chemical Sciences and its impact on our lives, Jadavpur University, Kolkata.
87. V. Chandrasekhar, Phosphorus–Supported Ligands: Versatile Coordination Platforms for the Assembly of Molecular Materials, JNCASR, Bangalore.
88. V. Chandrasekhar, Phosphorus–Supported Ligands: Versatile Coordination Platforms for the Assembly of Molecular Materials, Granada, Spain.
89. V. Chandrasekhar, Phosphorescent Dinuclear Cyclometalated Ir(III) Complexes, Goa.
90. V. Chandrasekhar, Phosphorescent Dinuclear Cyclometalated Ir(III) Complexes, Kolkata.
91. V. Chandrasekhar, Phosphorus–Supported Ligands: Versatile Coordination Platforms for the Assembly of Molecular Materials, Midnapore College, West Bengal.
92. V. Chandrasekhar, Molecules and Materials: Bridging the Gap, IIT, Bombay.
93. V. Chandrasekhar, Ammonia-Borane: An Old Molecule with a New Application, IIT Kanpur.
94. D. Goswami, Co-Chair, OSA, India.
95. J.N. Moorthy, Exploitation of Sterics in the Oxidation Chemistry with IBX and Organocatalysis with Proline, Garhwal University, Srinagar, Uttarakand.
96. J.N. Moorthy, Rational Molecular Design: Control of Photoreactivity, Molecular Self-Assembly and Functional Properties, Indian Institute of Science, Bangalore.
97. J.N. Moorthy, Rational Molecular Design for Amorphous Organic Light Emitting Diodes (OLEDs) and Ordered Functional Mimics of Inorganic Zeolites, CMERI, Durgapur, West Bengal.
98. J.N. Moorthy, Rational Molecular Design for Organocatalysis and Organic Functional Materials, Gurunanak Dev University, Amritsar.

99. J.N. Moorthy, De Novo Approaches to Organic Functional Materials Based on Sterically-Engineered Molecular Systems, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore.
100. J.N. Moorthy, Photochromism: Photochemical Synthesis and Photochemistry of Novel Chromenes, Indo-US Conference on Green Chmistry for Sustainable Future, Dehradun.
101. M.L.N. Rao, Indo-US workshop on Green Chemistry for environments and sustainable development, Dehradun.
102. M.L.N. Rao, 12th Tetrahedron Symposium, Sitges, SPAIN.
103. S.P. Rath, Invited talk in the Department of Inorganic Chemistry, IACS, Kolkata.
104. S.P. Rath, Invited Talk in the National Symposium on Advanced Functional Materials under UGC-CAS Program held on the Department of Chemistry, BHU, Varanasi.
105. S.P. Rath, Invited Talk in Celebration Chemistry@IITK, IIT Kanpur.
106. S.P. Rath, Invited Talk in the workshop on Advances in Bioinorganic and Nano-Chemistry, D.A-V. Post graduate College, Kanpur.
107. S.P. Rath, Invited talk in the Department of Chemistry, IIT Roorkee.
108. S.P. Rath, Invited talk in the Department of Chemistry, IIT Kharagpur.
109. K. Srihari, Semi classical Theory of Dynamical Tunneling, Max-Planck Institute for Physics of Complex Systems, Dresden, Germany.

Civil Engineering

110. M. Sharma, Formation of Atmospheric Organic and Ammonia-Based Inorganic Secondary Aerosols in Fine Mode, India-US Air Quality and Climate Research Workshop, Hyderabad.
111. S. N. Tripathi, Understanding the Heterogeneity in Aerosol Characteristics over the Indo-Gangetic Basin An Observational Portrayal, India-US Air Quality and Climate Research Workshop, Hyderabad.
112. R. Sinha, Himalayan River Systems: Challenges of Fresh Water Supply and Eco-system Management in a Changing Climate Scenario, National Conference on Science of Climate Change and Earth's Sustainability: Issues and Challenges, Lucknow.
113. R. Sinha, Evidence for a Lost River in North-Western India Using an Integrated Approach, National Seminar on Modern and Palaeo Sediments: Implication to Climate, Water Resources and Environmental Changes, New Delhi.
114. R. Sinha, Buried Paleo-Ghaggar Channel Belt Inferred through Resistivity Soundings around Kalibangan Harappan Site, North-Western Rajasthan, India, International Quaternary Association Congress, Bern, Switzerland.
115. M. Sharma, Formation of Atmospheric Organic and Ammonia-Based Inorganic Secondary Aerosols in Fine Mode: An Ambient Air and Environmental Chamber Study, Indo-German Conference on Chemical Processes in the Troposphere, New Delhi.
116. M. Sharma, Weather and Air Quality Modeling Simulations and Their Evaluation: Need and Directions, National Seminar on Interdisciplinary Application of Weather and Climate Computational Perspective, Pune.

117. S. N. Tripathi, Better Predictability with Regional Weather Models: WRF-Chem, National Seminar on Interdisciplinary Application of Weather and Climate Computational Perspective, Pune.
118. Bharat Lohani, Laser Scanning Technologies for Meeting the Challenges of Civil Engineering Projects, ICCE 2012 National Conference, Innovative Challenges in Civil Engineering, Bhatinda.
119. Rajesh Sathiyamoorthy, The Role of Geosynthetics in Waste Containment Systems, National Seminar on Modern Trends and Innovations in Civil Engineering, Jabalpur.
120. M. Sharma, Secondary Inorganic and Organic Aerosols: Making Sense in Indian Atmosphere, Workshop on Atmospheric Chemistry in South Asia: Progress and Emerging Issues, Mohali.
121. M. Sharma, Air Quality Modeling Simulations and Their Evaluation: Needs and Directions, National Seminar on Climate Change and Sustainable Management of Water Resources (CCWR-2012), Visakhapatnam.
122. S. N. Tripathi, Climate Impacts of Aerosols, National Seminar on Climate Change: Science and Society, Kanpur.
123. R. Sinha, River Dynamics in a Large Himalayan River: The Case of the Kosi, India and Nepal, Institute de Globe de Physique, Paris.
124. A. Das, How to build good roads?, Department of Civil Engineering, NIT Durgapur, Durgapur.
125. A. Das, Concrete pavements for low volume roads, A Short Term Training Programme for Engineers of Rural Engineering Service, HBTI, Kanpur.
126. A. Das, Cement concrete pavements, A Short Term Training Programme for Engineers of Rural Engineering Service, HBTI, Kanpur.
127. A. Das, NPTEL course on Advanced Transportation Engineering, National workshop on deployment and use of NPTEL courses, Kanpur.
128. A. Das, How to build good roads?, Fachgebiet StraÎ²enwesen, Technical University of Darmstadt, TU-Darmstadt, Germany.
129. A. Das, Pavement Engineering Research at IIT Kanpur, Fachgebiet StraÎ²enwesen, Technical University of Darmstadt, TU-Darmstadt, Germany.
130. D. Paul, A need to Estimate the Average Chemical Composition of Indian Continental Crust, National Workshop: Goals for Earth Sciences for the Current Decade (2011-2020), University of Hyderabad.
131. T. Gupta, A Panel Study on Personal Exposure to Ambient Air Pollution: Assessing Seasonal Effects, Climate Change: Science and Society, IIT Kanpur.

Electrical Engineering

132. S. Chakrabarti, Synchronized Measurement Technology for Electric Power Systems, Aligarh Muslim University, Symposium on 'Developments in Instrumentation & Control Engineering', Aligarh, India.
133. S. Chakrabarti, Mathematics for Circuit Analysis, PSG College of Technology, Coimbatore, Workshop on Mathematics for Electrical Sciences, Coimbatore, India.
134. S. Chakrabarti, Optimal power flow and State Estimation in Emerging Power Systems, IIT Kanpur, short-term course on 'Operation and management of emerging power system', Kanpur, India.

135. S. Chakrabarti, Synchronized measurement based wide area monitoring of electric power systems, NTNU, Norway, "ICT Empowered Grid" conference, Trondheim, Norway.
136. S. Chakrabarti, Synchrophasor assisted enhanced monitoring of electric power systems, NTNU, Norway, guest lecture, Trondheim, Norway.
137. AK Chaturvedi, Information Theoretic Perspective on Cognitive Radio Networks, Samsung India, IRN meeting on Advances in Communications, Bangalore.
138. AK Chaturvedi, Wireless Communications: An Information Theoretic Perspective, 18th National Conference on Communications, Conference Tutorial, IIT Kharagpur.
139. Aditya K. Jagannatham, QoS for Emerging Wireless Telecom Technologies, Telecom Regulatory Authority of India (TRAI), New Delhi.
140. Aditya K. Jagannatham, LTE/4G Advanced Radio Features, Bharat Sanchar Nigam Limited (BSNL), ALTTC Ghaziabad.
141. K. V. Srivastava, Composite Right/Left Handed Meta-Material Transmission Line and its application in microwave circuits, National Chung Cheng University in June 2011, Chia-Yi, Taiwan.
142. K. V. Srivastava, Meta-material Transmission Lines and its Application to Microwave Circuits, National Conference on Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011) Nov. 2011, KNIT Sultanpur, U.P. India.

Industrial Management and Engineering

143. Varman Rahul, Corporations, land and people, Swaraj Vidyapith, August 27, 2011, Allahabad.
144. Varman, Rahul, Land and community: learning from Cuba, Swaraj Vidyapith, August 28, 2011, Allahabad.
145. Varman, Rahul, On the nature of corporations, Dept. of Mgmt., DEI Dayalbagh, Oct. 11, 2011, Agra.
146. Raghu Nandan Sengupta, Estimation for the multiple regression set up using balanced loss function, Indian School of Business, invited lecture, Hyderabad.
147. Anoop Singh, Regulation and Policy for Development of Renewable Energy Resources, National Conference on "Renewable Energy and Energy Management, Jhansi, Oct 2011.
148. Jayanta Chatterjee, Design for Social Innovation, USID, 9th Annual Conference, Innovation JAM, Auroville, Pondicherry.

Material Science and Engineering

149. Ashish Garg, India-UK Excitonic Solar Cell Meeting, JNCASR, Bangalore.
150. Ashish Garg, Multiferroic Materials, RMIT University, Melbourne, Australia.
151. B. Basu, Spark Plasma Sintering of HA-Ti composite: in Vitro biomineralization and cell culture at the 35th International Conference & Exposition on Advanced Ceramics & Composites (ICACC), held in Daytona Beach, Florida.
152. B. Basu, Electrically Stimulated Enhancement of Cell Proliferation on Ferroelectric-Hydroxyapatite Composites at the 35th International Conference & Exposition on Advanced Ceramics & Composites (ICACC), held in Daytona Beach, Florida.

153. B. Basu, Innovative multi-stage spark plasma sintering to obtain strong and tough ultrafine grained ceramics"; at the 35th International Conference & Exposition on Advanced Ceramics & Composites (ICACC), held in Daytona Beach, Florida.
154. B. Basu, Cytotoxicity and genotoxicity property of Hydroxyapatite-mullite eluates", at the International Symposium on the Safe use of Nanomaterials and Workshop on Nanomaterial Safety: Status, Procedures, Policy and Ethical Concerns, Lucknow.
155. B. Basu, Genotoxicity property of Hydroxyapatite-mullite eluates, at the Indo-Australian meet at IISc, Bangalore.
156. B. Basu, Bridging gap between Materials Science and Biology: An interdisciplinary approach to Design biomaterials; Department of Ceramic Engineering, Banaras Hindu University (BHU), Varanasi.
157. B. Basu, Innovative multi-stage spark plasma sintering to obtain strong and tough ultrafine grained ceramics; Department of Ceramic Engineering, Banaras Hindu University (BHU), Varanasi.
158. B. Basu, Bridging gap between Materials Science and Biology: An interdisciplinary approach to Design biomaterials, Department of Mechanical engineering, Mining and Machinery, Indian School of Mines, ISM, Dhanbad.
159. B. Basu, Indo-US Biomaterials Center; International Biomaterials Symposium Part 1, Society for Biomaterials Symposium Orlando, Florida.
160. B. Basu, Bridging gap between Materials Science and Biology: An interdisciplinary approach to Design biomaterials; Department of Mechanical engineering, Indian Institute of Science, IISc, Bangalore.
161. B. Basu, Bridging gap between Materials Science and Biology: An interdisciplinary approach to Design biomaterials; Department of Biomaterials Science and Tissue Engineering, University College London, UK.
162. B. Basu, Advances in Science, Engineering and Technology (ASET) Colloquium, "Bridging gap between Materials Science and Biology: An interdisciplinary approach to study biocompatibility of some novel biomaterials, Tata Institute of Fundamental Research (TIFR), Mumbai.
163. B. Basu, Bridging gap between Materials Science and Biology: An interdisciplinary approach to study biocompatibility of some novel biomaterials; International Conference on Biomaterials, Implant Devices and Tissue Engineering (BIDTE2012), Rajyalakshmi College of Engineering, Chennai.
164. B. Basu, Design of Biomaterials: where Materials Science meets Biology, Award lecture at MRSI meeting held in Thapar University, Patiala.
165. N. Mahato, D. Lahiri, A. Agarwal, Kantesh Balani, Microstructure and Mechanical Properties of Multistructured Peacock Feathers, presented in 2012 TMS Annual Meeting & Exhibition, Orlando, FL, USA.
166. D.Mazumdar, De-S in torpedo ladles, Bokaro steel Plant, Bokaro.
167. V. Verma, 49th National Metallurgists' Day and 65th Annual Technical Meeting of the Indian Institute of Metals, Hyderabad, India.
168. Shobit Omar, Waqas Bin Najib, Weiwu Chen and Nikolaos Bonanos, Ionic Conductivity Behavior in the Co-doped Sc2O3-ZrO2 Ceramics, Institute of Technology, Banaras Hindu University, Banaras.
169. S. Shekhar, Multifunctional Nanostructured Metals by High-rate Severe Plastic Deformation (HRSPD), General Motors Research Center, Bangalore.

170. S. Shekhar, Machining as a route for Severe Plastic Deformation, UGC-NRC-M Symposium on Mechanical Behavior of Materials, Indian Institute of Science, Bangalore.
171. Gouthama, Insight into the Micro-Mechanisms of Deformation through TEM Analysis of Dislocation Networks and Grain Boundary Characteristics, International Conference on Electron Nanoscopy & XXXII Annual Meeting of EMSI (EM50), Hyderabad.
172. Gouthama, Microscopy and Microanalysis of Nano-Materials, QIP winter school, IIT Kanpur.
173. Gouthama, studies on the microstructural changes during thermo-mechanical cycling of NiTi shape memory wire samples, National Seminar on 'Design and Development of materials for advanced techbnologies, Banaras Hindu University.
174. Gouthama, Electron Microscopy and Microanalysis Relevance to Micro- and Nano-Fabrication, AICTE workshop on MEMS and Nanofabrication, IIT, Kanpur.

Mathematics and Statistics

175. D. Bahuguna, Theory and Methods for Partial Differential Equations, 5 lectures at SSSIHL, February 16-18, 2012, Prashanthinilayam.
176. M. Banerjee Global Dynamics for Prey-Predator Model with Allee Effect, National Conference on Recent Advances in Mathematics, 2012, 02 - 04 Feb. 2012, Lucknow University.
177. M Banerjee, Spatio-temporal pattern formation in ecology - modern perspective, National Meet of Research Scholars in Mathematical Sciences – 2011,12 – 15 October, 2011, IIT Kharagpur.
178. M. Banerjee.,Cold spot, hot spot, labyrinthine and chaotic pattern in a Holling - Tanner prey-predator model, Mathematical and Theoretical Ecology, 2011 (MATE-2011), 19 - 21 Sept., 2011, University of Essex, Colchester, UK.
179. M. Banerjee, Deterministic vs. Stochastic Dynamics in an Interacting Population Model', in International Conference on Mathematical Biology, India, 04 - 07 July, 2011, held at I.I.Sc. Bangalore.
180. M. Banerjee, Deterministic chaos vs. stochastic oscillation in an eco-epidemic model, 8th European Conference on Mathematical and Theoretical Biology, at Uniwersytet Jagiellonski, Krakow, 28 June - 02 July, 2011, Poland.
181. M. Banerjee, Deterministic chaos and stochastic fluctuation in an epidemic model, Department of Mathematics, Bengal Engineering and Science University, May, 2011, West Bengal.
182. Mohua Banerjee, Reasoning with multiple-source systems, International Workshop on Fuzzy Sets, Rough Sets, Uncertainty Analysis and Applications, November, 2011, NIT Durgapur.
183. Mohua Banerjee, On Gödel, Seminar in the Dept. of HSS, October, 2011, IIT Kanpur.
184. Mohua Banerjee, Indiscernibility: a categorical study, Annual Workshop of the Calcutta Logic Circle (CLC), IBRAD, September 2011, Kolkata.
185. S. L. Chavan, Lectures on Linear Dynamics, 4-8 April, 2012, I.I.Sc. Bangalore.
186. S. Dutta, Lectures on operator algebras to graduate students, Workshop in Functional Analysis, CUSAT, (jointly organized by I. M. Sc.), December 5 - 12, 2011, Kochi.

187. S. Ghorai, Penetrative bioconvection in a suspension of isotropically scattering phototactic algae Organization, National conference on Mathematical Modelling and Computer Simulation and a Symposium on Understanding Nature and Society, 30June to 2 July, 2011, BGI Kanpur.
188. M. Gupta. Lectures on advanced topics in Functional Analysis, Department of Mathematics, Kashmir University, Srinagar, May 2011, Kashmir.
189. D. Kundu, On multivariate proportional hazard model, at I.S.I. Mar. 2012, Kolkata.
190. A. K. Lal, On problems related to algebraic connectivity of Graphs Organization, Concordia April 01, 2011, University, Montreal, Canada.
191. N. Misra, Optimal redundancy allocations in systems and comparison of component and system level redundancies, at New Developments in theory and Applications of Statistics: An international conference in honor of Professor Moti Lal Tiku, Department of Statistics, Middle East Technical University, Ankara, May 2-4, 2011, Turkey.
192. N. Misra, Estimation of Entropy of Multivariate Distributions, at National Conference on Advances and Applications in Statistics, Department of Statistics, Panjab University, February 20-21, 2012, Chandigarh.
193. N. Misra, Estimation of Entropy of Multivariate Distributions, XXXI Annual Convention of Indian Society for Probability & Statistics (ISPS) and International Conference on Statistics, at Department of Statistics, University of Science and Technology, December 19-22, 2011, Cochin.
194. N. Misra, Comparison of Reversed Hazard Rates of Two Parallel Systems Comprising of Independent Gamma Components, Workshop on Reliability Theory and Survival Analysis, at Indian Statistical Institute, November 23-25, 2011, Kolkata.
195. N.Misra, Optimal redundancy allocations in systems and comparison of component and system level redundancies, Department of Statistics, July 15, 2011 University of Calicut.
196. N. Misra, Stochastic Comparisons of Poisson and Binomial Distributions with their Mixtures, Department of Mathematics, Indian Institute of Technology, June 3, 2011, Kharagpur.
197. P.Mohanty, Completely bounded L^p multipliers, ICHA, Tianjin, May, 2011, China.
198. P. Mohanty, Vector valued Maximal bilinear operator, Sept 2011, Armenia.
199. P. Mohanty, Origin and development of Fourier Series, Hindu College, Delhi.
200. R. Santhanam, K-theory of F_1 schemes, June 2011, University of Bergen.
201. S. K. Ray, Fourier restriction theorem on Riemannian symmetric spaces of noncompact type, School of Mathematics, TIFR, Mumbai.
202. Shalabh, Talks on Regression Modelling, Forecasting, Model Selection, Goodness of Fit and Measurement Errors, Department of Economics, University of Hyderabad, 2011, Hyderabad.

Mechanical Engineering

203. Anurag Gupta, Evolution of incompatibility during growth, Department Seminar, UCSD, CA, USA.
204. K. Muralidhar, Free And Forced Jets: Experiments And Simulation, FBR Core Design: Current Status and Future Directions, IGCAR Kalpakkam.

205. Shantanu Bhattacharya, Microfluidics for clinical Daignostics and detection, Indo-Japan Seminar, IIT Delhi.
206. Shantanu Bhattacharya, Bionanotechnology, Microfluidics and BioMEMS for Clinical Diagnostics and identification, Workshop on Nanoscience and Nanotechnology, Department of Applied Physics, AMU, Aligarh, AMU, Aligarh.
207. Shantanu Bhattacharya, Microfluidics and BioMEMS research at IITKanpur, University of Texas at Arlington, Nano-Bio seminar, UT Arlington, Dallas, Tx.
208. Shantanu Bhattacharya, Boeing Autonomous vehicle presentation, Presentation made at Boeing Office Delhi to Review team from USA, Gyeongsangbuk-do, South Korea.
209. Shantanu Bhattacharya, BioMEMS research at IIT Kanpur, QIP program on Microfluidics at IIT Guwahati, IIT Guwahati.
210. Shantanu Bhattacharya, BioMEMS and Microfluidics, ISSS-2012, IISC Bangalore.
211. Shantanu Bhattacharya, BioMEMS and Microfluidics, MAMM-2012, CMERI, Durgapur.
212. Wahi P., Regenerative chatter in turning: a system with a time delay, NIT Durgapur, Durgapur.
213. Wahi P., Application of time-delayed feedback for controls: Application to friction induced vibrations, NIT Durgapur, Durgapur.
214. Arun K Saha, Numerical simulation of forced circular jets, HBTI, Kanpur, Kanpur.

Physics

215. Zakir Hossain, Superconductivity, magnetism and charge density wave in Pr-, Eu- and Yb-based Compounds, DCMP&MS TIFR Annual meeting 2011, TIFR, Mumbai.
216. Zakir Hossain, Interplay between superconductivity and magnetism in EuFe2As2, UGC-Sponsored National Seminar on Recent Trends in Physical Sciences at SSKM University, Dumka.
217. Avinash Singh, Magnetic Excitations in Iron Pnictides, International Conference on Physics of Novel and Emerging Materials (ICPNEM - 2011), IACS, Kolkata.
218. Sudeep Bhattacharjee, Micro and Nano Focused Ion Beams for New Physics and Applications, Christ Church College, Kanpur, Christ Church College, Kanpur, (February 10-11, 2012).
219. Sudeep Bhattacharjee, New frontiers in nanoscience and technology using multi element focused ion beams (MEFIB) from compact microwave driven plasmas, 14th International conference on Ion Sources (ICIS 2011), Giardini Naxos, ITALY (September 12 - 16, 2011).
220. Sudeep Bhattacharjee, Nanoscale Physics and Applications Using Multi Element Focused Ion Beams, BIT, Information Research Center of International Talent, SAFEA and China Council for the Promotion of International Trade Dalian Sub-Council, Dalian, CHINA,(October 23-26, 2011).
221. R.Vijaya, Stimulated and spontaneous emission from self-assembled photonic crystals, International conference (May 23-25, 2011), NIT Calicut.
222. R.Vijaya, Fiber lasers for Multi-wavelength, Broadband and Secure data transfer applications, Brain-storming session on Fiber lasers and related technologies (Sept. 5, 2011), RRCAT, Indore.

223. R.Vijaya, Photonic crystals and device design, Workshop on Recent trends in Nanophotonics (Sept 30-Oct.1, 2011), IIT Delhi.
224. R.Vijaya, Photonic band gap structures in the visible range for designing lasers, DAE-BRNS Theme Meeting on Emerging Trends in Applications of Lasers and Accelerators in Nanomaterials (Oct.20-21, 2011), BARC, Mumbai.
225. R.Vijaya, Nonlinear dynamics of Fiber lasers, XXXVI OSI Symposium on Frontiers in Optics and Photonics (Dec 3-5, 2011), IIT Delhi.
226. R.Vijaya, Spontaneous and stimulated emission from self-assembled photonic structures, Indo-US Bilateral workshop on Nanophotonics and Nanoplasmonics (Jan 9-12, 2012), IISc, Bangalore.
227. R.Vijaya, Photonic band gap structures and Device design, NITT SPIE-OSA Student Chapter (Feb. 17, 2012), NIT, Tiruchirappalli.
228. R.Vijaya, Fabrication of photonic crystals, QIP Workshop on micro- and nano-fabrication (Mar. 1, 2012), IIT Kanpur.

OTHER ACTIVITIES

PROFESSIONAL VISITS TO UNIVERSITIES/RESEARCH ORGANIZATIONS / INDUSTRIES

Aerospace Engineering

1. Venkatesan, C, Institute of Technology, Bandung, Feb. 2012.
2. D. P. Mishra, Combustion, Department Mechanical Engineering, IIT, Mumbai.

Biological Sciences and Bioengineering

3. R. Sankararamakrishnan, University of La Reunion, France, Ph. D. thesis Defense, 27th Sep 2011 to 1st Oct 2011.
4. Amitabha Bandyopadhyay, Odense University Hospital, Collaboration visit, Seven days.
5. D. S. Katti, Anna University Chennai, DST PAC meeting, Committee member, 27th-29th June.
6. D. S. Katti, IIST, Thiruvananthapuram, Ph.D. thesis Committee, Ph.D. thesis Committee Member, 1st-7th March, 2012.
7. Balaji Prakash, IISc Bangalore, Collaborative visit; Ph.D. thesis examination, 16th & 17th October 2011.
8. Balaji Prakash, NIT Bhopal, Ph.D. thesis examination, 13th & 14th January 2012.
9. Balaji Prakash, JNU New Delhi, Ph.D. thesis examination, 16th & 17th March 2012.

Chemical Engineering

10. Santosh K. Gupta, University of Western Ontario, London, ON, Canada, Visiting Faculty, Visiting Professor of Chemical Engineering, Summer 2011.
11. P. K. Bhattacharya, 3rd international conference on Chemical Engineering (ICChE-2011), Chairman of Technical Session on Biochemical engineering, Chairman of Technical Session on Biochemical engineering, December 29-30, 2011.
12. P. K. Bhattacharya, 3rd international conference on Chemical Engineering (ICChE-2011), Judge, December 29- 30, 2011.
13. Garg, S, Department of Chemical Engineering, NIT, Durgapur, To give lectures in a DST-SERC course on optimization, , November 2011.

Civil Engineering

14. A. Das, TU-Darmstadt, Germany, Faculty exchange scheme, DAAD-IIT faculty exchange scheme, May 15, 2011 to July 14, 2011.

Electrical Engineering

15. K. V. Srivastava, General Electric (GE), Global Research Centre, Bangalore, Visiting Consultant, May 16, 2011 - June 15, 2011.
16. K. V. Srivastava, National Chung Cheng University, Chia-Yi, Taiwan, Visiting Faculty, June 18-June 25, 2011.

Humanities and Social Sciences

17. P. M. Prasad, Ecole Centrale Nantes (ECN), France, teaching assignment, Visiting Faculty, December 1-15, 2011.
18. P. M. Prasad, Ecole Centrale Nantes (ECN), France, Interaction with colleagues on joint project proposals under Faculty Mobility EMECW India-Lot 13a Fellowship, Visiting Faculty, June 18, 2011 - July 17, 2011.
19. Binay Kumar Pattnaik, UGC Centre for Advanced Study in Sociology, to deliver lectures under CASS UG Lecture Series on (I) Globalization of Science and Technology in Developing Countries: A Sociological Perspective, and (II) Appropriate Technology Movement in India: A Sociological Perspective, Visiting Scholar, January 22-29, 2012.

Industrial Management and Engineering

20. Jayanta Chatterjee, IIT Kharagpur, Workshop, April 2011.
21. Jayanta Chatterjee, Aalto University, Finland, Jury, Product Design Programme, April 2011.
22. Jayanta Chatterjee, Georgetown University, Workshop, May 2011.
23. Jayanta Chatterjee, Jadavpur University, Workshop, June 2011.
24. Jayanta Chatterjee, National Academy of Sciences, USA, Conference, July 2011.
25. Jayanta Chatterjee, NISTADS/CSIR, Seminar, October 2011.
26. Jayanta Chatterjee, L&T, EAIC, Board Meeting, March 2012.

Mechanical Engineering

27. Shantanu Bhattacharya, World Class University Program at Yeungnam University, Daegu, Dae-dong, South Korea, Visiting Scientist, Visiting Scientist, May-2011.
28. Shantanu Bhattacharya, Maruti Suzuki India Limited, Gurgaon, Project Execution, visited in May, June and November 2011.

Mathematics ans Statistics

29. A. K. Lal., Concordia University, Montreal, Canada, Sep 2010 - May 2011.
30. R. Santhanam, University of Bergen, June 2011.
31. Shalabh, Institute of Statistics, Ludwig Maximillians University, Munich, Germany, 2011.
32. A. Anand, 26th Annual Conference, Ramanujan Mathematical Society, University of Allahabad, October 2-4, 2011.
33. Mohua Banerjee, International Workshop on Fuzzy Sets, Rough Sets, Uncertainty Analysis and Applications, NIT Durgapur, November 2011.
34. Mohua Banerjee, Annual Workshop of the Calcutta Logic Circle (CLC), IBRAD, Kolkata, September 2011.
35. Peeyush Chandra, Symposium on Partial differential Equations and Applications, Central Univ. Hyderabad, March 17, 2012.
36. Peeyush Chandra, International Conference on Mathematical & Theoretical Biology, Jan. 23-27, 2012, IISER, Pune.

37. Peeyush Chandra, UGC SAP Conference on Mathematical Modeling and Computer Simulation, ITBHU, March 23-24, 2012.
38. Peeyush Chandra, National Conference on Recent Advances in Mathematics, Lucknow University, Feb 2-4, 2012.
39. Peeyush Chandra, Mathematical & Statistical Techniques and their applications to Science andEngineering, B.B. Ambedkar University, Lucknow, Nov. 26-27, 2011.
40. Peeyush Chandra, National meet of Research Scholars in Mathematical Sciences, I.I.T. Kharagpur, Oct. 12-15, 2011.
41. Peeyush Chandra, Recent Trends in Fluid Mechanics & Optimization Techniques, Rajasthan University, Aug. 6-7, 2011, 15th Prof. P. D. Verma Memorial Lecture.
42. Peeyush Chandra, International Conference on Mathematical Biology, I. I. Sc. Bangalore, July 7, 2011, delivered invited talk and chaired a session.
43. Peeyush Chandra, 15th Annual Conference of Vijnana Parishad of India, DAV College Kanpur, Nov. 4 - 6, 2012.
44. S. L. Chavan, International Workshop on Operator Theory and its Applications, Universidad de Seville, Spain, Delivered a talk 'C*-Algebras Generated by Spherical Hyperexpansions', Jul 2011.
45. S. Dutta, Conference on Harmonic Analysis and Approximations, September 5 - 10, Armenia, Presented a talk 'Completely bounded multipliers on L_p'.
46. S. Ghorai, 26th Annual Meeting of the Ramanujan Mathematical Society, University of Allahabad, 2nd to 5th October, 2011, Invited talk on Spectral element methods for parabolic problems.
47. S. Ghorai, International Conference on Mathematical and Theoretical Biology, IISER Pune, 23rd to 27th January, 2012, Invited Talk on Nonlinear bioconvection in a suspension of phototactic algae.
48. M. Gupta (joint work with A. Bhar), International Workshop on Operator Theory and Its Applications, University of Seville, Seville, Spain, July 2011, delivered talk 'On Orlicz Lorentz subspaces of bounded families and approximation type operators'.
49. M. Gupta, National Conference on Recent Advances in Mathematics at Lucknow University, Feb 2 - 4, 2012, delivered invited lecture 'Frequently Hypercyclic Operators' and chaired a session.
50. M. K. Kadalbajoo, 6th International Conference on dynamic systems and differential equations, May 25- 28, 2011, Morehouse College, Atlanta, Georgia, USA, delivered invited talk and chaired a technical session.
51. M. K. Kadalbajoo, Indo-UK Symposium on Recent Trends in Industrial and Applied Mathematics, November 5-6, 2011, I.I.T. Bombay, delivered invited talk and chaired a technical session.
52. D. Kundu, International Conference held at the Chinese University of Hong Kong, Dec. 27 - 31, 2011, delivered a talk 'Bayesian Analysis of Progressively Censored Competing Risks Data'.
53. N. Misra, New Developments in theory and Applications of Statistics: An international conference in honor of Professor Moti Lal Tiku, Department of Statistics, Middle East Technical University, Ankara, Turkey, May 2 - 4, 2011, chaired a special invited session.

54. N. Misra, National Conference on Advances and Applications in Statistics, Department of Statistics, Panjab University, Chandigarh, February 20 - 21, 2012, chaired a session.
55. N. Misra, XXXI Annual Convention of Indian Society for Probability & Statistics (ISPS) and International Conference on Statistics, Department of Statistics, Cochin University of Science and Technology, December 19 - 22, 2011.
56. N. Misra, Workshop on Reliability Theory and Survival Analysis, Indian Statistical Institute, Kolkata, November 23-25, 2011, chaired an invited talk session.
57. P. Mohanty, International Conference on Abstract Harmonic Analysis, Tianjin, China, May 2011.
58. P. Mohanty, International Conference on Approximation Theory and Harmonic Analysis, Armenia, Sept 2011.
59. P. Mohanty, Discussion Meeting in Harmonic Analysis, I.S.I. Kolkata, Dec 2011.
60. Shalabh, Measurement Error Problem in the Statistical Analysis of Environmental Data at the International Humboldt Kolleg on Adaptive Management of Ecosystems: The Knowledge Systems of Societies for Adaptation and Mitigation of Impacts of Climate Change, Institute for Social and Economic Change, Bangalore, October 2011.
61. Shalabh, Conference of the Department of Statistics and Information Management, Reserve Bank of India, Chandigarh, March 2012.

Physics

62. Zakir Hossain, Max-Planck Institute CPfS, Dresden, Germany, Colloborative research work, Visiting Scientist, 18th June 2011 to 14th July 2011.

CONTINUING EDUCATION ACTIVITIES

Aerospace Engineering

1. C.Venkatesan, Handling quality of helicopters, Air force Test Pilot School, Bangalore, 17-21 Jan 2012.

Biological Sciences and Bioengineering

2. Pradip Sinha, Indian Society for Developmental Biologists, (InSDB) Workshop entitled, Developmental Mechanism in Model Organisms, Workshop, Jaipur, 24-25 Feb 2012.
3. Pradip Sinha, BioCity India Bootcamp for Bio-entrepreneurs (An initiative under UK-India Science Bridge funded by DST and RCUK), Training for the shortlisted teams for Bio-Business Plan Competition 2012, C-CAMP, NCBS, Bangalore, 11-13 Jan 2012.
4. Pradip Sinha, UK-India Innovation and Leadership Meeting and Grand Finale of the Bio-Business Plan Competition- 2012, As part of UK-India Science Bridge objective to promote Bio-entrepreneurial activities, a Bio-Business plan competition is being hosted by IIT Kanpur in collaboration with C-CAMP Bangalore and BioCity Nottingham, UK, Indian Institute of Management, Bangalore (IIMB), 5-6 March 2012.

Chemical Engineering

5. Singh J. K., Molecular Modeling Workshop, Sponsored, Mumbai, Jan 28-Feb 01, 2012.
6. P. A. Apte, Advanced Thermodynamics, NPTEL Web course, Kanpur.

Civil Engineering

7. T. Gupta, S.N.Tripathi, Study of impacts of atmospheric haze on Taj Mahal monument, Indo-US Science and Technology Forum, IIT Kanpur, 17th February, 2012.
8. D. C. Rai, O. R. Jaiswal, S. K. Jain, Seismic Design of Railway Bridges, Industry, IIT Kanpur, May 2-6, 2011.
9. D. C. Rai, Seismic Design of Steel Structures as per IS 800-2007, Industry, Uhde India Pvt. Ltd., Mumbai, Nov 18, 2011.

Electrical Engineering

10. M J Akhtar, One Day Workshop on Virtual Laboratories: RF and Microwave Characterization Lab, MHRD initiative, IIT Kanpur, February 04, 2012.
11. M J Akhtar, Virtual Lab Workshop on RF and Microwave Characterization Laboratory, MHRD initiative, IIIT Hyderabad, February 25, 2012.

12. Aditya K. Jagannatham, Cognitive Radio: The Next Frontier in Wireless Communications, BSNL IITK Telecom Center of Excellence & Department of Electrical Engineering IITK, IIT-Kanpur.
13. Aditya K. Jagannatham, OFDM Based 4G Cellular Standards: LTE and WiMAX, BSNL IITK Telecom Center of Excellence & Department of Electrical Engineering IITK, IIT-Kanpur.
14. Aditya K. Jagannatham, Course on Practical Approach to Networking 3G/4G Wireless Networks, BSNL IITK Telecom Center of Excellence & Department of Electrical Engineering IITK, IIT-Kanpur.
15. S. S. K. Iyer, Workshop on "Frontiers of Excellence in Photovoltaic Science and Technology", Indo-US Science and Technology Forum and the National Centre for Photovoltaic Research and Education, IIT Bombay, January 15-17, 2012.
16. S. S. K. Iyer, Organic Solar Cells 2011, Samtel Centre of Display Technology, IIT-Kanpur, 4th to 9th July, 2011.
17. S. C. Srivastava, Deployment and use of NPTEL Courses, NPTEL National Workshop, IIT-Kanpur, 20-21 Aug 2011.
18. S. N. Singh, Operation and Management of Emerging Power Systems, Quality Improvement Program Course, November 21-25, 2011.

Industrial Management and Engineering

19. Raghu Nandan Sengupta, Quantitative Finance Workshop, Self Financing, Hyderabad, 14-17 December 2011.
20. A.K Mittal, Workshop on Intellectual property Rights in Petroleum & energy sector, Self Financing, Rai Bareilly, Feb 25-26, 2012.
21. Anoop Singh, 4th Capacity Building Program for staff of Electricity Regulatory Commissions, Industry (Forum of Regulators), IIT Kanpur, 18-23 July, 2011.

Mathematics And Statistics

22. Mohua Banerjee, Lecture series on Modal logic and algebra, 4th Indian School on Logic and itsApplications (ISLA), Manipal University, January 2012.
23. T.Muthukumar, Lectures on Multivariable Calculus at MTTS programme, ICT Mumbai, June 2011.

Mechanical Engineering

24. Avinash Kumar Agarwal, Dr. Tarun Gupta, Advanced Engine Combustion and Diagnostics, QIP, Industry, IIT Kanpur, June 23- 28, 2011.
25. Tarun Gupta, Dr. Avinash Kumar Agarwal, Engine Emission Formation and Control, QIP, Industry, IIT Kanpur, June 28- July 3, 2011.
26. Shantanu Bhattacharya, Manufacturing Technology Managament Web-based course with IACT Global, Delhi, Web course to Industry through CDTE, IIT-Kanpur, First Batch: Aug- Oct, 2011 (Offered).
27. Shantanu Bhattacharya, NPTEL Lectures on Microfluidic systems and design, Web Course through NPTEL series, IIT- Kanpur, Currently Underway.

28. Shantanu Bhattacharya, MEMS design workshop, Funding from NPMASS, IIT-Kanpur, from 30th August-01st September, 2011.
29. Shantanu Bhattacharya, Hands on Fabrication training on design and fabrication of a microfluidic mixer, Funding from NPMASS, IIT-Kanpur, from 17~18th February, 2012.