

Conferences/ Seminars/ Workshops/ Lectures

(April 1, 2013 – March 31, 2014)

The departments and centres of the Institute organized many conferences, seminars and workshops and some major of them are highlighted here under:

Departments/Cetres/Schools	Title of the Conference/Seminar/ Workshop/ Lecture
Chemical	Symposium on Rheology of Complex Fluids-2013 by Dr. S. K. Pattanayek (19th – 20th December)
	A Round Table Discussion Meeting on “Challenges in Applications of CFD in Oil and Gas, Energy and Process Industries” organized by IIT Delhi and Ansys India by Dr. V. V. Buwa (23rd October 2013)
	BIRAC-CDSA Regulatory Meet: Demystifying Indian Regulations for Product Approvals, Five Day Course held at IIT Delhi, New Delhi, India, July 2013 by Prof. A.S. Rathore
	SERB School on “Rheology of Complex Fluids: Advanced computational Methods” and Symposium of “Rheology of complex Fluids 2013” organized by Dr. S. K. Pattanayek & Dr. V.V. Buwa, (16-20 December 2013)
	Fundamentals of Petrophysics by Dr. Jyoti Phirani (4th Nov. 2013)
	Production Analysis of shale resources by Dr. Jyoti Phirani (27th Nov. 2013)
	Reaction Mechanisms and the Design of Heterogeneous Catalysts for Sustainable Energy by Dr. M. A. Haider (28th March 2013)
	Biomimetic Adaptations of Multi-objective Evolutionary Algorithms for the Optimization of Chemical Processes by Dr. M. C. Ramekte (16th July 2013)
	Modeling of Concentration Fronts and Pt Dispersion Effects in A Lean NOx Trap by Dr. Divesh Bhatia (7th Nov. 2013)
	RERB School on Rheology of Complex Fluids: Advanced Computational Methods (16th - 18th December 2013)
	Rheomicroscopy workshop by Anton Paar (18th March 2014)
Chemistry	New Horizons in Chemical Sciences (In-House Symposium), Indian Institute of Technology Delhi (November 16, 2013)
	International Satellite Symposium on Emerging Trends in Glycoscience and Glycotechnology (International Symposium), Indian Institute of Technology Delhi (January 8-10, 2014)
Civil Engineering	Co-coordination of a 3-day National Seminar on ‘Thermal and Other Techniques for Waste Management’ at NIT Calicut under the MoU between IIT Delhi and NIT Calicut
	Organization of a 5-day International School on Microbial Risk Assessment in collaboration with Drexel University (USA) and Michigan State University (USA) at Drexel University, Philadelphia USA (IIT Delhi Team: Prof. Mukesh Khare, Prof. Arvind K. Nema, Prof. Atul K Mittal, Prof. James Gomes, Dr. Arun Kumar; IIPH Hyderabad: Prof. GVS Murthy; NEERI: Prof. Rakesh Kumar and Prof. JS Pandey and Dr. Radha Goyal) as a part of the ongoing Singh-Obama Initiative funded project “Resource building for ecosystem and human health risk assessment with special references to microbial contamination” (2013-15)
	Workshop on Offshore Geotechnical Engineering on by Prof. J.T. Shahu (January 31, 2014)
	‘THE RED MUD DISASTER IN HUNGARY AND THE LESSONS LEARNT’ expert lecture under CES by Professor Ákos Rédey, Director, Institute of Environmental Engineering, University of Pannonia, Veszprém, Hungary
Computer Science and Engineering	“Breakthroughs in Theoretical Computer Science” at IIT Guwahati, by Prof. Amit Kumar (jointly with Dr. Nisheeth Vishnoi at Microsoft Research, Bangalore) (Dec 10-11, 2013)
	“Recent Advances in Theoretical Computer Science” by Prof. M. Balakrishnan at IIT Delhi (16th Dec, 2013)
	“ACM India Annual Event” by Prof. M. Balakrishnan at IIT Delhi during (Feb 14-16, 2014)
	“Big Data and Smarter Cities” by Dr. Amitabha Bagchi (October, 2013)
	School on Advanced Algorithms by Prof. Naveen Garg (jointly with Atul Gupta at IIIT Jabalpur) (June 11-14, 2013)
	“Winter School on Data Analytics” at SCSIT, DAVV, Indore. The workshop was jointly organized by The Indo-German Max Planck Center for Computer Science (IMPECS) and the School of Computer Science & IT (SCSIT), DAVV Indore by Dr. Maya Ramanath (Nov. 15-18, 2013)
	Delivered invited lecture on “Match making” at Home Bhabha Center for Science Education, Mumbai by Prof. Naveen Garg (22nd Dec, 2013)
	Delivered keynote lecture at the conference VDAT, 2014 by Prof. M. Balakrishnan (28th July, 2013)
	Delivered keynote lecture at AD Patel Institute of Technology by Prof. M. Balakrishnan (20th March, 2014)
	Delivered keynote lecture at Research Promotion Workshop on “Introduction to Graph and Geometric Algorithms” at Thiruvananthapuram by Dr. Amitabha Bagchi (23-25 January 2014)
	Delivered keynote lecture at Dayal bagh Educational Institute, Agra by Prof. M. Balakrishnan (1st Jan, 2014)
	Delivered keynote lecture at Geometry Workshop at IIT Roorkee by Prof. Subodh Kumar
	Delivered invited lecture at IIIT Delhi by Prof. M. Balakrishnan (17th Oct, 2013)
	Delivered keynote lecture at CEERI, Pilani by Prof. M. Balakrishnan (23rd Sept, 2013)
	Delivered invited lecture at Research Scholar Meet, Dept. of CSE, IIT Bombay by Prof. Amit Kumar (Nov 8-9, 2013)
	Delivered keynote lecture at Inclusive Innovation Exhibition, Pune by Prof. M. Balakrishnan (December 2013)
Delivered institute lecture on “Introduction to Cloud Computing and the Development of Baadal” by Dr. Sorav Bansal	

Conferences / Workshops / Seminar

Electrical Engineering	Programming of TMS320F28335 Floating-point DSP (9.05.2013)
	Computational Intelligence Theories, Applications and Future Directions (13-14 July, 2013)
	Technical lecture by Akhil Kumar Gupta (26.04.2013)
	Lecture on "Smart Grid" by Mr. Vikram Gandotra (27.04.2013)
	Lecture on "New Direction in Energy & Power Research" by Prof. Saifur Rahman (19.08.2013)
	Lecture on "Voltage stability Analysis and improvement by optimum reactive power control" by Prof. D. Thukaram (26.09.2013)
	Lecture on "PMU Measurement and Systems" by Mr. Amol Kolwalkar (8.10.13)
	Lecture on "Applications on Synchrophasor measurements in Power Systems" by Dr. Amol Kolwalkar (8.10.13)
	Lecture on "Smart Initiative in Renewables" by Mr. Ravi Segal (11.10.2013)
	Lecture on "Automatic Voltage Regulator" by Mr. Arvind Gupta (16.10.2013)
	Lecture on "Understanding Performance Chart for an Alternator connected to a Grid Part -I" by Prof. J. Nanda (18.10.2013)
	Technical lecture on "Monitoring and Diagnostics of Electrical Machines" by Dr. Rupam mukherjee (7.11.13)
	Lecture on "Applied Electromagnetics in Electrical Machines and Transformers" by Mr. Ravindra Bhide (20.11.13)
	Lecture on "Role and Requirement of Protection in Power Systems" by Mr.A. Gupta (12.02.2014)
	Lecture on "Transformer Protection Schemes" by Mr. A. Gupta (24.02.2014)
'Energy Saving and Power Quality Aspects' by Meenu Singhal (5.12.2013)	
Management	Thirteenth Global Conference on Flexible Systems Management (December, 13-15, 2013)
	International Conference on Research in Marketing (ICRM 2013) - (December 21-22, 2013)
	Academic Leadership Program (March 10-15, 2014)
Mechanical	Biodesign Innovation Workshop (in collaboration with Stanford India Biodesign Programme) by Prof. PVM Rao (October 2013)
Physics	Heusler Alloys: Magnetic materials with multifunctional properties by Prof. A. K. Nigam (27/03/2014)
	X-ray Free-Electron Laser: A Revolution in Science by Dr. Gopal Dixit (10/02/2014)
	New Science for Solar Energy by Prof. Stephen C. Rand (22/01/2014)
	Chiral Symmetries and Angular Momentum by Dr. Mishkatul Bhattacharya. (15/01/2014)
	Molecularly-tailored nanomaterials and interfaces with novel properties by Prof. G. Ramanath (10/12/2013)
	The atomic Clocks - R and D Frequency Standard at NPL, India by Dr. Subhadeep De (12/11/2013)
	The Physics of Ventricular Arrhythmias: Insights from Computational Studies by Prof. Rahul Pandit (27/09/2013)
	Novel Electronic phases and phase transitions at oxide interface by Prof. R. C. Budhani (15/04/2013)
	Junction of Dirac materials by Prof. Krishnendu Sengupta (11/04/2013)
	Workshop on Recent Advance in Photonics, IITD (17-18/12/2013)
	Controllable Growth of Nanostructures by Prof. B R Mehta (18/03/2014)
	Relativity in the 21st Century by Prof. V Ravishankar (21/01/2014)
	Application-specific Specialty Optical Fibers: A Challenging, New Design Platform by Prof. Bishnu P. Pal (19/11/2013)
	Novel functional materials: from 'smartness' to 'spintronics' by Prof. Ratnamala Chatterjee (29/10/2013)
	Electronics Rides on Spin by Prof. D. K. Pandya (15/10/2013)
	Singular Optics by Prof. P. Senthilkumaran (10/09/2013)
	Laser Driven Acceleration of Ions by Prof. V. K. Tripath (27/08/2013)
Quantum Gravity: Is it necessary? Is it possible? By Prof. Ajit Kumar (09/04/2013)	
Textile Technology	APA International Conference on Polymers: Vision and Innovations, Organizer: IIT Delhi and Asian Polymer Association, Coordinator: Prof. B Gupta, Joint Secretary: Dipayan Das, Place: India Habitat Center, New Delhi (February 19-21, 2014)
	5th World Conference on 3D Fabric and their Applications, Coordinator: Prof. B. K. Behera (December 16-17, 2013)
	One Day seminar on Mechanics of Textile structure, Coordinator: Prof. B K Behera (14th December 2013)
	2 -Day seminar on Innovative Textiles, Coordinator: Prof. B. K. Behera (April 15-16, 2013)
	Workshop on Comfort in protective clothing, Coordinators: Apurba Das, Abhijit Majumdar & R. Alagirusamy (17th August 2013)
	Round Table meet between industry captains and the departmental faculty (3 June 2013)
	The Chain Textile and Strategies of Developing and Manufacturing Clothings. , by Prof. D. M. Francisca, University of Sao Paulo, Brazil (13.02.2014)
	Prof. Bohushav Neckar, Faculty of Textile Engineering, Technical University of Liberec, Czech Republic

Conferences / Workshops / Seminar

Applied Research in Electronics	IEEE Intl. Microwave and RF Conference, New Delhi: Prof. S. K. Koul, Conference Co-Chair, Prof. Ananjan Basu: Technical Program Committee Co-Chair (14-16 Dec. 2013)
	International Underwater Technology Workshop 2013 at NIOT Chennai: Prof. R. Bahl: Vice Chairman (Oct 2013)
	Workshop on the patch antennas (16th Oct. 2013)
	Power Efficient Multi-band/Multi-Standard Wireless Transmitter for Software Defined Radios by Dr. Karun Rawat, IIT Delhi (13th May, 2013)
	A Lecture on Load-Modulation in Doherty PAs for Wireless Transmitters, IIT Delhi and Mr. Gowrish B., cypress semiconductors, Bangalore by Dr. Karun Rawat (8th Nov, 2013)
	A Lecture on Electrically Short Antenna: Passive & Active Antenna for general applications, Synergy Microwave Corporation NJ, USA by Prof. Ulrich L. Rohde (12th Dec, 2013)
	A Lecture on Low Noise Signal Generation and Verification Techniques, Northrop Grumman USA by Dr. Michael Driscoll (12th Dec, 2013)
	A Lecture on Latest technology and technological challenges in oscillator design, Synergy Microwave Corporation NJ, USA by Dr. Ajay K. Poddar (12th Dec, 2013)
	A Lecture on Microwave Filter and Diplexers for wireless application, University of Waterloo, Canada by Dr. C. Kudsia (17th Dec, 2013)
	A lecture on Waveguide Filters for Satellite Communication, Technical University, Spain by Dr. Vicente Boria (17th Dec, 2013)
	A Lecture on Thz Radar for 3D IMaging, NASA, USA by Dr. G. Chattopadhyay (17th Dec, 2013)
	A Lecture on Chip less RFID Sensors: Revolution in Identification and Sensing in the New Millennium, Date: 24th Dec. 2013, Speaker: Prof. Nemai Chandra Karmakar, Monash University, Australia.
	A Talk on the Software Defined Radio, Founder, Pawlan Communications, USA by Dr. Jeffrey Pawlan (31st Jan. 2014)
Monterey Bay Aquariam Research Institute, USA A Talk by Kanna Rajan (6th Nov. 2013)	
Biomedical Engineering	Lecture on "Contributions to Orthopedic Biomechanics" by Dr. H.S. Ranu (21.05.2013)
	Expert Talk on "Adolescent Brain, Teenage Drinking and Cognition" by Prof. Ratna Sircar (18th January, 2014)
	Research Discussion on "Brain Products" by Dr. Nicola Soldati on 5th March, 2014
	Lecture on "The Role of Physical Activity and the Use of Adaptive Technology in the Treatment of Non-Communicable Diseases" by Dr. Jimmy Abbas (31st March, 2014)
	Lecture on "Closing the loop: Nerves, Machines and Interfaces" by Dr. Ranu Jung (31st March, 2014)
Lecture on "Research on Appropriate Advanced Surgical Technology for Application in Practice" by Prof. Peter Brett, Professor of Bioengineering Systems, Brunel University	
Energy Studies	"Economics and Financing of Renewable Energy Technologies" A HRD Programme was organised by Prof. T.C. Kandpal from (July 24 to 27, 2013)
	"Techno-Economics of Solar Power" A HRD Programme (Short Course) was organised by Prof. T.C. Kandpal from (Dec. 18-21, 2013)
	R&D Physicist Performance Materials Division, Advanced Technologies (PM-AC) Merck Chemicals Ltd., Southampton UK delivered a lecture High Efficiency Polymer Semiconductors for Organic Photovoltaics (OPV) by Dr. Priti Tiwana (Sept. 11, 2013 at 3:00 PM)
	Senior Researcher, Department of Advanced Material Science and Engineering, Sungkyunkwan University, South Korea delivered a lecture, ICP Dual Frequency Discharges: A potential tool for Large Area Plasma Processing by Dr. Anurag Mishra (25 February, 2014 at 15: 00 hrs)
Instrument Design & Development Centre	"IRPT based control of a 50 kW grid interfaced solar photovoltaic power generating system with power quality improvement," in Proc. 4th IEEE International Symposium on Power Electronics for Distributed Generation Systems (PEDG 2013) pp.1-8 by Bhim Singh, D.T. Shahani and Arun Kumar Verma (8-11 July 2013)
	"Sinusoidal Integrator based control of a grid interfaced solar photovoltaic power generating system," in Proc. International Conference on Power and Energy System (ICPS 2013) by Bhim Singh, D.T. Shahani and Arun Kumar Verma (27-30 October 2013)
	"Current Synchronous Detection based control of grid interfaced Solar Photovoltaic power generating system," in Proc. Annual IEEE India Conference pp.1-6 (INDICON 2013) by Arun Kumar verma, Bhim Singh and D.T. Shahani (13-15 Dec. 2013)
	"Power Quality Improvement in Grid Interface Solar Photo-Voltaic (SPV) Power Generating Systems," National Conference on Integrated Energy Systems and Environmental Protection New Delhi by Arun Kumar verma, Bhim Singh and D.T. Shahani (6-7 Feb. 2014)
	"Combined Operation of a VSC Based Grid Interfaced Solar Photovoltaic Power Generation System with Night Time Application," Accepted in PES Meeting, 2014 organized by Arun Kumar Verma, Bhim Singh and D.T. Shahani, Ambrish Chandra, and Kamal Al-Haddad.
	"Recognition of Power Quality events using S-transform based ANN classifier and rule based decision tree," IEEE Industry Appl. Society Annual Meeting, pp.1-8 organized by R. Kumar, B. Singh, D. T. Shahani, A. Chandra, K. Al-Haddad (6-11 Oct. 2013)
	"Recognition of Power Quality Events Using S-Transform Based ANN Classifier and Rule Based Decision Tree," Accepted for IAS annual meeting 2013 by Raj Kumar Garg, Bhim Singh and D.T. Shahani
	"Neural Network Controlled Grid Interfaced Solar Photovoltaic Power Generation. Accepted in IET Power electronics by Bhim Singh, D.T. Shahani and Arun Kumar Verma (July 2013)

Conferences / Workshops / Seminar

	<p>"Study the Effect of Magnetic Field on Gaseous Flames using Digital Speckle Pattern Interferometry," Optics 14, International Conference on Light, Calicut, India by Manoj Kumar, Shilpi Agarwal, Varun Kumar, Gufran S. Khan and Chandra Shakher (March 18-21, 2014)</p> <p>"Temperature Measurement of Axisymmetric Flames under the Influence of Magnetic Field using Talbot Interferometry", Optics'14, International Conference on Light, held in NIT Calicut, India by Shilpi Agarwal, Manoj Kumar and Chandra Shakher (March 18-21, 2014)</p> <p>"Measurement of convective heat transfer coefficient along the surface of heated wire using digital holography", International conference on Optics and Optoelectronics 'ICOL 2014' (XXXVIII symposium of Optical Society of India), IRDE Dehradun, India by Varun Kumar, Manoj Kumar, and Chandra Shakher (March 05-08, 2014)</p> <p>"Measurement of Temperature and Temperature distribution in diffusion flame using Digital speckle Pattern Interferometry", 11th International conference 'Correlation Optics 2013', Chernivtsi, Ukraine by Manoj Kumar, Varun Kumar, and Chandra Shakher (September 18-21, 2013)</p> <p>"Measurement of Temperature Profile around Heated Wire using Digital Holography", 7th International workshop on Advanced Optical Imaging and Metrology, Fringe 2013, Stuttgart, Germany by Varun Kumar, Manoj Kumar, Shobhna Sharma and Chandra Shakher (September 08-11, 2013)</p> <p>"Temperature measurement of diffusion and pre-mixed flames under the influence of magnetic field using Digital Holographic Interferometry", 7th International workshop on Advanced Optical Imaging and Metrology, Fringe 2013, Stuttgart, Germany by Chandra Shakher, Shobhna Sharma, Manoj Kumar Varun Kumar, and Shilpi Agarwal (September 08-11, 2013.)</p> <p>"Measurement of Temperature and Temperature Profile of Axi-symmetric Butane Torch Burner Flame using Digital speckle Pattern Interferometry", 7th International workshop on Advanced Optical Imaging and Metrology, Fringe 2013, Stuttgart, Germany by Manoj Kumar, Varun Kumar, Gufran Sayeed Khan, and Chandra Shakher (September 08-11, 2013)</p> <p>Delivered a lecture on "Interferometric techniques for measurement of temperature and temperature profile of gaseous flames", at Niigata University, Japan (07 June, 2013)</p> <p>Delivered a lecture on "Digital holographic interferometric techniques for measurement of temperature and temperature profile of gaseous flames", at University of Kobe, Japan (13 June, 2013)</p> <p>Delivered a lecture on "Solar holography: A relook on the use of volume phase transmission holographic lenses for photovoltaic concentrator applications" at University of Kobe, Japan (13 June, 2013)</p> <p>Delivered a lecture on "Interferometric techniques for measurement of temperature and temperature profile of gaseous flames", at Kyoto Institute of Technology, Japan (14 June, 2013)</p> <p>Delivered a lecture on "Solar holography: A relook on the use of volume phase transmission holographic lenses for photovoltaic concentrator applications" at Kyoto Institute of Technology, Japan (14 June, 2013)</p> <p>Centre of Applied Research and Education (CORE) Seminar at Utsunomiya University Japan (26 June, 2013)</p> <p>Interferometric techniques for measurement of temperature and temperature profile of gaseous flames.</p> <p>Solar holography: A relook on the use of volume phase transmission holographic lenses for photovoltaic concentrator applications</p> <p>Delivered invited talk on, "Measurement of refractive index and refractive index gradient using digital holography" at International Conference on Optics and Optoelectronic 'ICOL- 2014' (XXXVIII symposium of Optical Society of India) on 07-03-2014 held at Instrument Research and Development Establishment (IRDE) Dehradun, India (March 5-8, 2014)</p>
Polymer Sciences	<p>Training course on Science and Technology of PVC for SRIRAM Polytech, Gurgaon (May, 2013- Jan 2014)(4 Modules)</p> <p>SABIC- Innovative Plastics India Pvt. Ltd by Mr. Sanjiv Vasudeva</p>
Rural Development and Technology	<p>The National Sanitation Roundtable on Achieving Nirmal Bharat as part of the campaign 'Take Poo to the Loo' was held at Indian Institute of Technology Delhi (6th of March 2014)</p> <p>A Workshop on 'Promotion of Biogas Upgrading Bottling in India and European Union' was held at IIT Delhi (22-24 August, 2013)</p> <p>A Workshop on 'Mushroom Technology – Present Scenario and Future Prospects in India' (16-18 December 2013)</p> <p>Lecture on 'Karigar Vidya - Parasparata, Samridhi Evam Saundarya Drishti ka Samay Siddha Srot' by Shri Ravindra Sharma (23 September 2013)</p> <p>Lecture delivered by Prof. G. V. Soumitri, Deputy Dean, Industrial and Interior Design at RMIT University on the topic of 'Social and Sustainability Issues in Design' (13 September 2013)</p>
Amar Nath and Shashi Khosla School	<p>India France Workshop in ICST "BIG DATA & CYBER-PHYSICAL SYSTEMS" (April 4-5, 2013)</p> <p>Resonance India Program 2013 (June 24-July 6, 2013)</p> <p>Formal Methods Update Meeting (July 27-28, 2013)</p> <p>Indo-Dutch Workshop on Pervasive Communication and Computing Collaboration (March 19-20, 2014)</p> <p>Resonance India Program 2013, Sponsors: School of IT, MIT, Harvard University, AIIMS, (June 24-July 6, 2013)</p> <p>Prof. Kaleem Siddiqi, Dept of Comp Sc, McGill Univ. Montreal CA (August 2013)</p> <p>Prof. Ian Munro, University of Waterloo, Canada (5-6 Feb 2014)</p>
Kusum School of Biological Sciences	<p>"Computational Biology in Disease & Disorder" in BioWorld 2013 (9-11 December 2013)</p> <p>Prof. C.M. Dobson, University of Cambridge, 2013</p> <p>Prof. Barry Buckland, Faculty of Engineering Science University College London, also CEO of Biologic B (14th Nov 2013)</p> <p>Dr. Animesh Dhar, Kansas University Medical Center, Kansas City, USA (31st January 2014)</p>