

## Conference Schedule

Presentation hall    1.    MV    -    M. Visvesvaraya Hall  
                                  2.    CVR   -    C. V. Raman Hall  
                                  3.    HB    -    Homi J. Bhabha Hall

Sl. No.	Paper No	Title	Hall	Time
<b>Date : 10 December 2014, Power Quality</b>				
1.	93	Critical Bus Identification using ANN and Optimal Placement of SVC using PSO for Voltage Stability Enhancement in Power Systems <i>Thakku Peter, Sajith R. P, Jasmy Paul</i>	MV	11.10-11.30
2.	119	Reactive Power Compensation of an Isolated Wind–Diesel Hybrid Power System with a Dynamic Load <i>Sreedevi P. R, Aparna Thampi</i>	MV	11.30-11.50
3.	127	Simulation of Closed Loop Control of BLDC Motor Drive fed by Canonical Switching Cell Converter with Improved Power Quality <i>Anu Narayanan, Ginnes K John</i>	MV	11.50-12.10
4.	49	Steady State Mathematical Model for Performance Evaluation of Passive Feed Direct Methanol Fuel Cell <i>Naveen Shrivastava, Rajkumar Chadge, Sanjeev Bankar, Sharad Chaudhari</i>	MV	12.10 - 12.20
5.	168	An Eleven Level Inverter with Reduced Filter Size <i>Siji Chacko, Jaimol Thomas</i>	MV	12.20 – 12.40
6.	57	Smart Grid Evolution Trajectories and Emerging Trends in Techno-Scientific Literature <i>Hiran H Lathabai, Thara Prabhakaran, Manoj Changat</i>	MV	12.40 – 13.00
7.	129	PSO Based Operating Cost Minimization of IEEE 14 Bus System considering Stability <i>Vipin Das P, Emil Ninan Skariah, Tibin Joseph, Sasidharan Sreedharan, Chittesh V. C, Sebin Joseph, Vishnu J.</i>	MV	15.20 – 15.40
8.	79	High Power Factor Bridgeless Buck Converter with Average Current Mode Control <i>Anju Elza Koshy, Filmy Francis</i>	MV	15.40 – 16.00
9.	138	Voltage Sag Compensation using Dynamic Voltage Restorer with Super Capacitor <i>Preethi Sebastian, Usha Nair</i>	MV	16.00 -16.20
10	50	Springback Analysis of l-Sectioned bar of Linear Work-Hardening Materials under Torsional Loading <i>J. P. Dwivedi, V. P. Singh, Radha Krishna Lal, Vikas Kumar Choubey and S. K. Srivastava</i>	MV	16.20 - 16.40
<b>Date : 10 December 2014, Energy Efficiency</b>				
11.	101	Economical Analysis of Energy Star Labeled Products with Varying Operating Parameters <i>Manu M. John, James Varghese</i>	CVR	11.10 – 11.30
12.	122	Battery Super-Capacitor Combination in PV Powered Zeta Converter Fed BLDC Drive <i>Rosemin Parackal, Rinu Alice Koshy</i>	CVR	11.30 – 11.50
13.	15	Fabrication of Graphene Super-capacitors with High Rated Voltage using Ionic Liquid as Electrolyte <i>S. Suraj, A. J. Mejo, M. Divya, M. N. Muralidharan, A. Seema</i>	CVR	11.50 – 12.10
14.	10	Performance Evaluation of an Absorption Airconditioning System operated by Engine Exhaust <i>Dhayananth S, Kumaran S, Madanlal D R, Suresh M.</i>	CVR	12.10 – 12.20
15.	206	Performance Improvement of Photovoltaic Systems by Extracting	CVR	17.00

		Thermal Energy - An Experimental Study <i>Sajith K. G, Muraleedharan C.</i>		- 17.20
16.	146	Microbial Fuel Cell Technology for Wastewater Treatment and Electricity Production <i>Sanju Sreedharan, Renu Pawels</i>	CVR	12.20 -12.4 0
<b>Date : 10 December 2014, Industrial Safety</b>				
17.	88	Risk Analysis of Methane and Ethane Gas Release at different Conditions using Arial Location of Hazardous Atmospheres <i>Shashank Tiwari, Tejeswi Ramprasad, Diptendu Das</i>	HB	11.10 - 11.30
18.	47	Analysis of work factors influencing High Frequency Low Severity Work injuries among welders for Safety Interventions <i>R Mahesa Rengaraj, M. N. Vinodkumar</i>	HB	11.30 - 11.50
19.	95	Study of Role of Critical Safety Management Practices in Construction Safety <i>Neethu Vinod, Alice Mathai, M. N. Vinodkumar</i>	HB	11.50 - 12.10
20.	149	Assessment and Development of Control Strategy to Prevent Exposure from Radioactive Waste in Health Care Sectors in India <i>Sreejesh. K, Bikram Singh, Shyam Prakash</i>	HB	12.10 - 12.30
21.	161	Analysis of Causes and Modes of Failures of LPG Refueling Station using Fuzzy Based FMEA <i>Rajakarunakaran. S, Maniram Kumar. A, Arumuga Prabhu. V</i>	HB	12.30 - 12.50
22.	195	Lightning Risk Assessment and Protection of Structures Housing Explosive Materials <i>Shyam Prakash, Sreejesh. K, Bikram Singh</i>	HB	12.50 - 13.10
23	133	Investigations on the Influence of Age, Gender and Driving Experience on Risky Driving Behaviors of two Wheeler Riders in Kerala <i>Thajudeen Hassan, M. N. Vinodkumar</i>	HB	13.10 - 13.30
<b>Date : 10 December 2014, Structural Engineering</b>				
24.	7	Comparison in Strength of Laterally Unsupported Beams by Limit State Method and Working Stress Method <i>Dileep Kumar P. G, Ammad K. K.</i>	HB	15.20 - 15.40
25.	55	A Study on the Compression Dispersion Behaviour of Isolated Struts <i>Biju P. Varghese, D. K. Sahoo</i>	HB	15.40 - 16.00
26.	62	Investigation on the Influence of Replacement Percentage of GGBS on the Seismic Performance of RC Beam-Columns <i>Susan Abraham, Joanna P. S.</i>	HB	16.00 - 16.20
27.	177	Partial Replacement of Steel Reinforcement with Bamboo and Arecanut Wood in RC Beams <i>Rinu Tenison, Rani Tenison, Aryamol Ravindran, Rajesh R, Sruthi Krishnan V.</i>	HB	16.20 - 16.40
28	216	Strut Efficiency in Deep Beams under the Effect of Vertical and Horizontal Stirrups at Various Strut Angles - A Numerical Study <i>Praveen Mathew, Dipak Kumar Sahoo, Glory Joseph</i>	HB	16.40 - 17.00
<b>Date : 10 December 2014, Environmental Management, Pollution and Control</b>				
29.	66	Electrochemical Treatment of Sugar Industry Wastewater <i>Vandana Gupta, Bidyut Mazumdar, Neela Achaya</i>	CVR	15.20 - 15.40
30.	197	Study on the Treatment and Reuse of Agricultural Waste Fibres <i>Beena K.S, Meril George</i>	CVR	15.40 - 16.00
31.	237	Geoenvironmental Characteristics of Jarofix Mixed Soil <i>Anu Raj, Beena K.S, Santhosh G, Santhosh K. N.</i>	CVR	16.00 - 16.20
32.	247	Biodegradation of Phenols and Sulphides from Refinery Effluent using Photobioreactor	CVR	16.20 -

		<i>Jitha G, and Madhu G.</i>		16.40
33.	67	Catalytic Treatment of Dye Wastewater <i>Neela Acharya, P. K. Chaudhari, Vandana Gupta</i>	CVR	16.40 – 17.00
34.	125	Energy Efficiency of Lecture Halls in Educational Institutions - A Modeling Study <i>Naveen Tiwari, Sudhir Misra</i>	CVR	17.00 – 17.20
<b>Date : 11 December 2014, Bio/nano materials</b>				
35	59	Low Temperature Electrochemical Fabrication of Zn-O Nano Rod Array Electrodes for Flexible Solar Cells <i>Selvarani. K and R. Prasanth</i>	MV	09.30 – 09.50
36.	73	Experimental Investigation of Heat Transfer and Pressure Drop Characteristics of Alumina Nanofluid in Tubular Flow with Ring Sector Inserts <i>Venkitaraj K. P, Praveen B.</i>	MV	09.50 - 10.10
37.	115	Viscosity of Vegetable Oil Biodiesel: Regression Analysis <i>Narayan Gaonkar and R. G. Vaidya</i>	MV	10.10 – 10.30
38.	173	Estimation of Calorific Value and Proximate Analysis Parameters of some Abundantly Available Biomass Species in Kashmir Region and Development of a Correlation for Higher Heating Value in terms of Proximate Analysis <i>Mushtaq Ahmad Rather, Parveena Bano, Sohail Rasool Lone, Qaiser Hajam and Pankaj Pradhan</i>	MV	10.30 – 10.50
39.	181	Thermophysical Property Analysis of TiO <sub>2</sub> – PVA Nanofluid <i>Remya K, Renjanadevi B.</i>	MV	11.10 – 11.30
40.	182	Application of Different Isotherm Models for Equilibrium Sorption Studies of Crystal Violet onto Functionalized Multi-Walled Carbon Nanotubes <i>Sabna V, Santosh G. Thampi, S Chandrakaran</i>	MV	11.30 - 11.50
41.	203	Impact of the TiO <sub>2</sub> Nanotube Geometry on Electrochemical Energy Storage <i>C. Clement Raj, R. Prasanth</i>	MV	11.50 – 12.10
42.	257	Synthesis of C Doped TiO <sub>2</sub> /CdS Core-Shell Nanoparticles using Microemulsion Method for Visible Light Photocatalytic Degradation of Dye <i>Atul B. Lavand, Yuvraj S. Malghe, Suraj H. Singh</i>	MV	15.20 – 15.40
43.	69	The Inhibitive Effect of Caesalpinia Sappan Extract on Mild Steel Corrosion in Aqueous Media <i>S. M. A. Shibli, L. Suji, M.S. Suma, K. S. Chinchu, P. Jineesh, Rubina Basheer</i>	MV	15.40 – 16.00
44.	3	Selection of the Material for Welded Disc Bellows for FBR Applications in Low and High Fluence Environment <i>S. C. S. P. Kumar Krovvidi, E. Ramesh, R. Vijayashree, B. Anandapadmanaban, G. Srinivasan</i>	MV	16.00 – 16.20
45.	78	Effective and Robust Impregnated and Strewn Polystyrene-Supported Floating Titanium Dioxide Photocatalysts: Preparation, Characterization and Comparison <i>Seema Singh, Pramod Kumar Singh, Hari Mahalingam</i>	MV	16.20 -16.4 0
46.	170	Synthesis and Characterization of Bioactive Silver Nano Particles using Uneconomic Weeds <i>Surega R, Anita B, Gunasekaran K and Ramakrishnan S.</i>	MV	16.40 – 17.00
<b>Date : 11 December 2014, Environmental Management, Pollution and Control</b>				
47.	17	Adsorption of Arsenic on Chemically (Mg Cl <sub>2</sub> ) Activated Carbon derived from <i>Peltophorum Pterocarpum</i> (Copper Pod)	CVR	09.30 –

		<i>Indrale Divyarani, Shashikanth R. Mise</i>		09.50
48.	23	NO <sub>x</sub> Abatement by Discharge Plasma: Effect of Adsorbents in Cascade <i>Pooja Talapatra, Vijetha Reddy, Sanjana Kerketta, Anusuya Bhattacharyya and B. S. Rajanikanth</i>	CVR	09.50 – 10.10
49.	43	Influence of Settling Time on Aerobic Granulation process for the Treatment of Wastewater <i>B. K. Bindhu, G. Madhu</i>	CVR	10.10 – 10.30
50.	198	La <sub>1-x</sub> A <sub>x</sub> CoO <sub>3</sub> (A= Sr, Ce; x=0, 0.2) Perovskite Based Catalysts for Abating Automotive CO Emission <i>Femina Patel, Sanjay Patel</i>	CVR	10.30 – 10.50
51.	11	Eco-Restoration of Coal Mine Spoil Through an Integrated Biotechnological Approach <i>Vipin Kumar and Avantika Chandra</i>	CVR	11.10 – 11.30
52.	226	Studies on the Treatment of Pulp and Paper Mill Wastewater using Electrocoagulation Process <i>C.B Shiyayogimath, S. Mohammedayub, P.B. Bhagawati</i>	CVR	11.30 – 11.50
53.	92	Artificial Neural Network Approach for the Adsorption of Chromium (VI) Ions from its Aqueous Solution by Riverbed Sand <i>B. Kavitha, D. Sarala Thambavani</i>	CVR	15.20 – 15.40
54.	121	Regulatory Framework in Petroleum Industry Regarding Environment Sustainability <i>Mary Vimochana</i>	CVR	15.40 – 16.00
55.	219	Adaptation Measures to Environmental Regulatory Compliance in Small and Medium Enterprises - A Study to Combat Operational Issues <i>A. B. Bhasi, P. S. Tide, P. V. Shouri</i>	CVR	16.00 – 16.20
56.	254	Heavy Metals and PAHs Characteristics of the Ashes from Unchahar Thermal Power Plant <i>S. K. Verma, L. C. Ram, S. K. Maiti, R. E. Masto</i>	CVR	16.20 – 16.40
<b>Date : 11 December 2014, Energy System Modeling</b>				
57.	141	Numerical Investigation of Injector Geometries on Jet in Cross-flow at High Speed <i>Anand Raj Hariharan, Tide P. S, Bhasi A. B.</i>	HB	09.30 – 09.50
58.	142	Prediction of Turbulence Characteristics of Coaxial Dual Nozzle Flows <i>Bindu M. D, Karun V. Gopal, Tide P. S.</i>	HB	09.50 – 10.10
59.	143	Numerical Investigation of Flow Characteristics of Subsonic Jets from Round & Beveled Nozzles <i>Sandhya M, Tide P. S.</i>	HB	10.10 – 10.30
60.	150	Thermodynamic Modeling of a Single-Effect Vapour Absorption System for a Constant Cooling Load <i>Jayadeep Kumar J, James Varghese</i>	HB	10.30 – 10.50
61.	153	An Investigation on Fluid Flow Oscillations for Flow past a Square Cylinder at various Reynolds Numbers <i>Sunil A. S, Tide P.S.</i>	HB	11.10 – 11.30
62.	162	Design of CD Nozzle and its CFD Analysis <i>Kens Babu, Navaneeth Kishan, Rohith C, Subramanian G, Anand Raj Hariharan</i>	HB	11.30 – 11.50
63.	210	Numerical Investigation on the Effect of Secondary Gas Injection In Dual Bell Nozzle Flow Transition <i>Aswith R.Shenoy, J. C. Pisharady, Khalid Rashid, Tide P.S.</i>	HB	11.50 – 12.10
64.	215	Estimation of Performance of Turbulence Models in Imperfectly Expanded Jets from a Convergent Divergent Nozzle <i>Mubarak A. K, Jaison K. A, Tide P. S.</i>	HB	15.20 – 15.40
65.	242	Health Assessment of Gas Turbine Inlet Air Filter System Using Artificial Neural Network Model <i>Shaiju M. R, Arun P, S. Jayaraj</i>	HB	15.40 – 16.00

66.	256	Modelling and Simulation of Two-Component Lean Fuel/Air Flames <i>B. Manickam, S. P. R. Muppala, F. Dinkelack, S. Dembele</i>	HB	16.00 – 16.20
<b>Date : 12 December 2014, Hybrid/Alternate Energy System</b>				
67.	91	An Advanced Grid Connected Photovoltaic System with Modular Structure <i>Arya Sasi, Jasmy Paul</i>	MV	09.30 – 09.50
68.	128	Adaptive MPPT Using Sliding Mode Control for Wind Power Plant <i>Raji Reghunathan, Ancy Sara Varghese</i>	MV	09.50 – 10.10
69.	131	PSO based Optimal Placement and Setting of Fuel Cell in Wind Integrated Power System for Maximizing Loadability <i>Sebin Joseph, Emil Ninan Skariah, Tibin Joseph, Sasidharan Sreedharan, Chittesh V. C, Vipin Das P, Vishnu J.</i>	MV	10.10 – 10.30
70.	148	Five Level Cascaded H Bridge Multilevel Converter for Photovoltaic Application <i>Deepa Sankar, C. A. Babu</i>	MV	10.30 – 10.50
71.	63	Experimental Study of Especially Designed Heat Exchanger fitted with Flat Reflectors used in Hybrid Solar Water System <i>V. N. Palaskar, S. P. Deshmukh</i>	MV	11.10 – 11.30
72.	136	Determination of River Current Energy Density - A Statistical Approach <i>James Varghese, Bony John</i>	MV	11.30 – 11.50
73.	140	Prospect of Renewable Energy in India: An analysis from Climate Change Perspective <i>Meenakshi Sharma, D. Chattopadhyay</i>	MV	11.50 – 12.10
<b>Date : 12 December 2014, Green Building Technology and Eco Friendly Materials</b>				
74.	44	Hybrid Fibre Reinforced Concrete (HFRC) – An Innovative Construction Material <i>Shashi Kumara S. R, Venkatesh Babu D. L.</i>	CVR	09.30 – 09.50
75.	60	Utilization of Indian Red Mud and Fly Ash with Combustible Additives to prepare Foam Bricks <i>K. K. Singh, Vinay K. Singh, T. R. Mankhand and A. K. Mandal</i>	CVR	09.50 – 10.10
76.	97	Experimental Investigation on Partial Replacement of Fine Aggregate with Cinder in Concrete <i>P. S. Raghuprasad</i>	CVR	10.10 – 10.30
77.	105	Strength Behaviour of Blended Cement and OPC Composites in Marine Environment <i>Satish R, P. S. Raghuprasad, Ravikiran R, Abhishek N.</i>	CVR	10.30 – 10.50
78.	86	Analysis of Strength Behaviour of Lime Treated Red Earth and Mine Tailings Mixtures Using X-Ray Diffraction and SEM Techniques <i>Ramesh H. N, Krishnaiah A. J.</i>	CVR	11.10 – 11.30
79.	114	Vertical Urban Farming: A Solution for Sustainable Indian Cities <i>A. Madhumathi, Shiren Naushaba, S. Vignesh</i>	CVR	11.30 – 11.50
80.	12	Study of Merits and Demerits of Existing Toilet Systems in Indian Trains and Proposal of a New Approach <i>Krishnappa G. B, Pavan R. S.</i>	CVR	11.50 – 12.10
<b>Date : 12 December 2014, Mechanical Properties of Materials</b>				
81.	24	Mechanical properties of Bio-Based Acrylated Epoxidized Castor oil Nanocomposites <i>Nagarjuna Reddy Paluvai, Smita Mohanty, Sanjay K. Nayak</i>	HB	09.30 – 09.50
82.	123	An Investigation on Mechanical Strength and Dynamic Stability of an Ornithopter Manufactured Using ABS Plastic By FDM Technology <i>Manoj Kumar M, Antony J K, Rakesh V Babu, Jithu K. S, Milosh C. Chinnan, Anand T.R, Muhammed Nesleel M. A.</i>	HB	09.50 – 10.10

83.	56	Comparative Analysis of Flexure Springs for a Stirling Cryocooler <i>Rajesh V. R, Biju T. Kuzhiveli</i>	HB	10.10 – 10.30
84.	68	Estimation of Distortions and Residual Stresses in Welded Joints <i>Jees Varghese, C. G. Nandakumar</i>	HB	10.30 – 10.50
85.	109	Material Property Evaluation of Carbon Fibre Reinforced Plastic from Tone Burst Eddy Current Thermography Data using Inversion Method <i>Suni Mathai, Biju N, Krishnan Balasubramaniam</i>	HB	11.10 – 11.30
86.	204	Feasibility Study on Implementing Shock Response Spectrum in a Finite Element Software <i>Anjana Krishnan, Ajimon Thomas, Tom George</i>	HB	11.30 – 11.50
87.	250	Analysis of Mechanical Properties of Prosopis Juliflora Composite Treated with Sodium Hydroxide <i>Lakshmanan V, Gopal P, SivaKumar E.</i>	HB	11.50 – 12.10

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