

International Conference on Progressive Developments in Mechanical Engineering - PDME 2015

09 - 11 December 2015

Scientific Program and Schedule of Presentations

Venue: Mechanical Seminar Hall

Day 1, 09-12-2015 (Wednesday)		Oral Presentation	Session I
Paper ID	Authors	Paper Title	Time
23	Vishnu Prasad K, K R Jayadevan	Simulation of Stirring in Stir Casting	02-30 PM - 03.30 PM
397	Varma Prasad V.M, Joy Varghese V.M, Suresh M.R, Siva Kumar D	3D Simulation of Residual Stress Developed During TIG Welding of Stainless Steel Pipes	
727	Deepak D, Rajendra B	Optimization of Machining Parameters for Turning of Al6061 Using Robust Design Principle to Minimize the Surface Roughness	
381	Sijo M T, K R Jayadevan	Analysis of Stir Cast Aluminium Silicon Carbide Metal Matrix Composite: A Comprehensive Review	

Tea Break, 03.30 PM - 03.45 PM

Day 1, 09-12-2015 (Wednesday)		Oral Presentation	Session II
Paper ID	Authors	Paper Title	Time
406	Sreenath D Kumar, Amjith T.R, C. Anjaneyulu	Forming Limit Diagram Generation of Aluminium Alloy AA2014 Using Nakazima Test Simulation Tool	03.45 PM - 04.45 PM
38	Gordeev B.A, Okhulkov S.N, Plekhev A.S	Error Estimate at Magnetorheological Transformer Calculation Tests by Flooding Methods	
39	Gordeev B.A, Dar'enkov A.B, Okhulkov S.N, Plekhov A.S	Magnetorheological Fluids Examination for Antivibration Mounts at Impact Loads	
732	Rajendra B, Deepak D	Optimization of Process Parameters for Increasing Material Removal Rate for Turning Al6061 Using S/N Ratio	

Day 2, 10-12-2015 (Thursday)		Oral Presentation	Session III
Paper ID	Authors	Paper Title	Time
67	Jubin V Jose, Sony R, Pradeep M Kamath	Mesolevel Analysis of Hydrodynamics of Flow Over Hydrophobic Surfaces	10.30 AM - 11.30 AM
218	Sarath C.G, Sreejith M, Reji R.V	Flow Field Predictions of Bluff Body Enabled Micro Combustion	
337	S Anishek, Sony R, Jayadeep Kumar J, Pradeep M Kamath	Performance Analysis and Optimisation of an Oil Natural Air Natural Power Transformer Radiator	
583	Ranjith Thomas, Shaji K	Numerical Analysis on a Double Pipe Heat Exchanger with Twisted Tape Induced Swirl Flow on Both Sides	

Tea Break, 11.30 AM - 11.45 AM

Day 2, 10-12-2015 (Thursday)		Oral Presentation	Session IV
Paper ID	Authors	Paper Title	Time
673	Jinsha Rajeevan, , Hans M H, Antonio Joseph, Kiran T S, Gireesh Kumaran Thampi	Hybrid Turbocharged SI Engine with Cooled Exhaust Gas Recirculation for Improved Performance	11.45 AM - 01.00 PM
30	Ranjith E R, Sunil A S, Lippin Pauly	Analysis of Flow Over a Circular Cylinder Fitted with Helical Strakes	
346	Mathews V John, Sandhya M, Balakrishnan K	Effect of OEM Style and Aftermarket Performance Air Filters on Vehicle Parameters.	
471	Dinu G Thomas, Sajith Babu C, Sajith Gopi	Performance Analysis of a Latent Heat Thermal Energy Storage System for Solar Energy Applications	
704	S. R. Thekkethil, K. E. Reby Roy, R. J. Thomas, H. Neumann, R. Ramalingam	Mathematical Model for a Novel Cryogenic Flow Sensor Using Fibre Bragg Gratings	

Lunch, 01.00 PM - 01-30 PM



Invited Talk	"Mathematical Modelling in Cricket: Ball Trajectories and Rain Rules" Dr.Ganesh Natarajan, Department of Mechanical Engineering, IIT Guwahati	01.30 PM - 02.30 PM
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Day 2, 10-12-2015 (Thursday)		Oral Presentation	Session V
Paper ID	Authors	Paper Title	Time
222	A.Muthu Manokar, D.Prince Winston, M.Vimala	Performance Analysis of Parabolic Trough Concentrating Photovoltaic Thermal System	02.30 PM - 03.30 PM
420	Bharat Kumar Saxena, K.V.S. Rao	Estimation of Wind Power Density at a Wind Farm Site Located in Western Rajasthan Region of India	
432	Prashant Kumar, Rahaul Pukale, Nilesh Kumabhar, Utkarsh Patil	Optimal Design Configuration using HOMER	
651	Tahira Bano, K.V.S. Rao	Levelized Electricity Cost of Five Solar Photovoltaic Plants of Different Capacities	

Tea Break, 03.30 PM - 03.45 PM

Day 2, 10-12-2015 (Thursday)		Oral Presentation	Session VI
Paper ID	Authors	Paper Title	Time
515	Lippin pauly, L Rekha, Christy V Vazhappilly, Melvinraj C R	Numerical Simulation for Solar Hybrid Photovoltaic Thermal Air Collector	03.45 PM - 05.00 PM
723	G. Kirankumar, S. Saboor, T. P. Ashok Babu	Investigation of Different Window and Wall Materials for Solar Passive Building Design	
738	Sunil Kumar C. P, Parvathi S, Rudramoorthy R	Impact Categories Through Life Cycle Assessment of Coal-Fired Brick	
700	N.Leena, K.K.Saju	Modelling and Trajectory Tracking of Wheeled Mobile Robots	
627	Ranjith P. V, Aftab A. Karim	A Comparative Study on the Experimental and Computational Analysis of Solar Flat Plate Collector Using an Alternate Working Fluid	

Day 3, 11-12-2015 (Friday)**Invited Talk**

"Novel Electronic Materials : C-MET Thrissur outlook"
 Dr.K.P Murali, Center for Materials for Electronics Technology - Thrissur Lab

10.30 AM - 11.30 AM

Tea Break, 11.30 AM - 11.45 AM

Day 3, 11-12-2015 (Friday)**Oral Presentation****Session VII**

Paper ID	Authors	Paper Title	Time
233	Anu P. Anil, Satish K. P.	Investigating the Relationship between TQM Practices and Firm's Performance: A Conceptual Framework for Indian Organizations	11.45 AM - 12.45 PM
383	Divya Devarajan, M S Jayamohan	Stock Control In a Chemical Firm : Combined FSN and XYZ Analysis	
444	Reghu Nathan Rajesh	Manual Material Handling: A Classification Scheme	
573	Kiran S, Prajeeth Kumar K.P, Sreejith B, Muralidharan M	Reliability Evaluation and Risk Based Maintenance in a Process Plant	

Lunch, 12.45 PM - 02-00 PM

List of Registered Participants

420	Bharat Kumar Saxena	
	Dhanesh Jain	
	Norat Mal Swarnkar	
	Akshay lele	
	Royal Roshan	