

Tuesday, 20th December 2016

Session- 1 (11:15 am to 01:30 pm)								
1A			1B			1C		
Non Traditional Machining			Metal Cutting			Product Design & Development		
Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s	
ICMMD2016_paper_01	Multi-quality Characteristics Optimization of WEDM for IN-625 by applying Taguchi DEAR Technique		ICMMD2016_paper_11	Grey Fuzzy Multiple Criteria Optimization of Process Parameters for CNC Turning of GFRP/Vinyl Ester Composites		ICMMD2016_paper_09	Facade Cleaning Machine	
ICMMD2016_paper_23	Investigations into the Electrical Discharge Machining of Inconel 718 Alloy using Copper and Brass Electrodes		ICMMD2016_paper_38	Analysis and Optimization of Response Parameters during Hard Turning with Wiper Ceramic Inserts using Response Surface Methodology		ICMMD2016_paper_21	Design Optimisation and Material Optimisation of a Solar Dryer - Tray Section	
ICMMD2016_paper_47	An Insight into the State of the Art of Electro-discharge Machining of Advanced Ceramics		ICMMD2016_paper_43	Multiple Criteria Optimization of Process Parameters for Edge Milling of NEMA G11 Composites using Desirability Function Analysis		ICMMD2016_paper_26	Design and Analysis of Windmill Shaft using Composite Materials	
ICMMD2016_paper_54	Modelling of Surface Roughness using Response Surface Methodology in Wire Electrical Discharge Machining of Ti6Al4V Alloy		ICMMD2016_paper_67	Residual Stress Analysis in Orthogonal Cutting Process in Shaper & Optimization using Taguchi Approach		ICMMD2016_paper_28	Design and Analysis of the Portal Axle Shaft	
ICMMD2016_paper_79	Investigations into Wire Electro-discharge Machining of A6061/Al2O3 Composites		ICMMD2016_paper_70	Experimental Investigation of Surface Roughness during Turning of AISI 316 SS using Vegetable based Cutting Fluid under MQL Condition		ICMMD2016_paper_36	Solar Powered Self-Balancing Vertical Vehicle using Gyro sensor	
ICMMD2016_paper_87	Chemical Machining of Monel		ICMMD2016_paper_56	Experimental Investigation and Optimization of Flatness and Surface Roughness using Grey Relational Analysis for WEDM Material during Face Milling Operation		ICMMD2016_paper_88	Design and Development of a Variable Damping Device for Vibration Control with Electrorheological (ER) Fluid	
ICMMD2016_paper_90	Ultrasonic Machining - A Fundamental Insight with Review of Material Removal Mechanisms and Process Parameter Studies		ICMMD2016_paper_85	Optimization of High Pressure Assisted Turning of Inconel 718 using TOPSIS		ICMMD2016_paper_96	Simulation and Experimental Study of Different Horn Amplifier Length for Cleaning using Acoustic Waves	
ICMMD2016_paper_93	Geometrical Deviation of Micro-textures during Wet Chemical Machining		ICMMD2016_paper_138	Numerical and Experimental Studies on Fixture-Workpiece Contact and Structural Deformations in Pocket Milling		ICMMD2016_paper_108	Development of Gear Measuring Model for Geometrical Measurement of Spur Gears	
Session- 2 (02:15 pm to 03:45 pm)								
2A			2B			2C		
Composites			Metal Joining & Forming			Finite Element Method		
Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s	
ICMMD2016_paper_100	An Experimental Investigation of Single Dimensional Transient Heat Transfer Characteristics of Aluminum based Reinforced Composites		ICMMD2016_paper_15	Shielded Metal Arc Welding Electrode Selection using Technique for Order Preference by Similarity to Ideal Solution (TOPSIS) Method		ICMMD2016_paper_74	Material Selection and Finite Element Analysis for a Ropeless Elevator Cage	
ICMMD2016_paper_33	The Effect of Temperature and Humidity on Adhesively Bonded Banana/Epoxy Composite Joints using Taguchi Method		ICMMD2016_paper_58	Experimental Investigation of FSW Process Parameters by using RSM on 6082-T6 Aluminum Alloy		ICMMD2016_paper_17	Numerical Investigation on Effect of Wrinkle on Stiffness in Isotropic Metal Sheets	
ICMMD2016_paper_89	Thermal Conductivity Models for Polymer Composites: An Overview		ICMMD2016_paper_59	Analysis of Temperature Distribution of Microplasma Welding of 500 µm of Ti6Al4V Alloy		ICMMD2016_paper_24	Comparative Study of Circumferential Stress Induced in Pressure Vessels	
ICMMD2016_paper_127	An Investigation and Analysis of Smart Composite Structure		ICMMD2016_paper_68	Electromagnetic Hemming of Aluminum Sheets using FEM		ICMMD2016_paper_60	Effect of Angular Positioning of Legs on Structural Stability of Pressure Vessel by using Non-Linear Finite Element Analysis	
ICMMD2016_paper_106	Mechanical Characterization of Cryo Treated AA 7075 Aluminium Alloy		ICMMD2016_paper_73	Finite Element Modeling and Simulation of Electromagnetic Crimping of Al6016-T6 Tube with Steel Rod		ICMMD2016_paper_61	Comparative Study of Pistons of Aluminium & Cast Iron, Coated & Uncated using FEA	
ICMMD2016_paper_39	Optimization of Process Parameters of Nickel - Chromium Electroplating for Thickness Variation Using Genetic Algorithm		ICMMD2016_paper_76	Experimental Investigation and Analysis of Fluid Assisted Blank Holding System in Deep Drawing Process for Al Alloy 1050 by Using Grey-Relational Analysis		ICMMD2016_paper_122	FEM Simulation and Analysis of Temperature Field of Environmental Friendly MQL Grinding	
Session- 3 (04:00 pm to 05:30 pm)								
3A			3B			3C		
Product Design & Development			Metal Cutting/Joining			Non Traditional Machining		
Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s	
Plenary talk: Dr. Santanu Das, Kalyani GCE, W.R.			ICMMD2016_paper_121	Optimization of Process Parameters of Delamination Zone for Drilled Holes in FRP Composites in CNC Machine		ICMMD2016_paper_101	A Novel Etchant for the Photochemical Machining of Co-Cr L605 alloy	
			ICMMD2016_paper_137	FEA Based Simulation and Experimental Analysis of Forces in Dry Milling of Inconel 718		ICMMD2016_paper_102	Experimental Investigations into Powder-Mixed Electrical Discharge Machining (PMEDM) of HCHCr D2 Die Steel	
			ICMMD2016_paper_82	Residual Stress Analysis in Orthogonal Cutting of AISI 1020 Steel		ICMMD2016_paper_115	Surface Integrity in Electro-Discharge Machining- A Review	
ICMMD2016_paper_119	Design and Development of Press Tool Changing Attachment on Automated Guided Vehicle		ICMMD2016_paper_44	Application of Shanin DOE Tools to Reduce Rejection in the Machining of Bevel Gear		ICMMD2016_paper_120	Flow Controlled Chemical Machining	
ICMMD2016_paper_126	Design Model of Air Suspension System for Front Steer Solid Beam Axle of LCV Bus		ICMMD2016_paper_143	Experimental Analysis of Orthogonal Micromachined Surface Features and Chip Morphology of AISI 12 L5 Steel by using EBSD Method		ICMMD2016_paper_128	Optimization of Rotary Tool Powder Mixed Electrical Discharge Machining Parameters for Tungsten Carbide Using Taguchi Technique	
ICMMD2016_paper_140	Automated CAD Modelling of Mechanical Components		ICMMD2016_paper_130	Microscopic Analysis of Heat Affected Zone (HAZ) of Submerged Arc Welding (SAW) Joint for 1018 Mild Steel Sheet		ICMMD2016_paper_110	Multi-objective Optimization of Process Parameters for Abrasive Jet Drilling of GFRP using GRA	

Session- 4 (12:00 noon to 01:15 pm)								
4A			4B			4C		
Nano Materials			Manufacturing			Design		
Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s	
ICMMD2016_paper_40	Photodegradation of Rhodamine 6G Dye by Cd, Sr doped ZnO Photocatalyst, Synthesized by Mechanochemical Method		ICMMD2016_paper_105	A study on Designing for Sustainable Product Development in view of End-User Role Transition through OEM's and 3rd Party Remanufacturers		ICMMD2016_paper_18	The Processing of 3D data for Total Knee Replacement Surgery	
ICMMD2016_paper_41	Study of Zn And Sn Doping on Photoluminescence Property of Cadmium Sulphide Nanoparticles		ICMMD2016_paper_81	Vibration Assisted Drilling of Composite Laminates-A Review		ICMMD2016_paper_06	Distortion Reduction Strategies for PCD Runout of Cam Shaft Gear	
ICMMD2016_paper_77	Microstructure and Tensile Behavior of Nano Al2O3 Particulates Reinforced AA7475 Alloy Composites		ICMMD2016_paper_53	A Comparative Analysis of Cutting Forces in Precision Turning of Co-Cr-Mo Bio-implant Alloy in Dry and Wet Machining Environments		ICMMD2016_paper_19	Performance Analysis of Non-recessed Hole-entry Hybrid/Hydrostatic Conical Journal Bearing using CFD	
ICMMD2016_paper_95	Effect of Compatibilizer and MWNT on the Thermal Stability of Ternary Polymer Blends of PA6, PP and ABS		ICMMD2016_paper_78	Influence of Machining Environment on Surface Integrity in HSM of Inconel 718 with Productivity Perspective		ICMMD2016_paper_30	Review of Experimental Techniques used to Study the Mechanical Behavior of Biological Soft Tissues	
			ICMMD2016_paper_66	Optimization of Powder Spray Process Parameters using Taguchi Methodology		ICMMD2016_paper_13	Failure Analysis of Sheet Metal Utensils During Deep Drawing Process	
Session- 5 (02:15 pm to 03:45 pm)								
5A			5B			5C		
Multidisciplinary			Metal Cutting			Vibration and Finite Element Method		
Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s	
ICMMD2016_paper_97	High Volume Red Mud Composites for Development of Value Added Products in Concrete Industry		ICMMD2016_paper_92	Analysis for Machining of Ti6Al4V Alloy using Coated and Non-Coated Carbide Tools		ICMMD2016_paper_12	Vibration Response of Double Row Ball Bearing on Local Defects using Multivariable Regression Analysis	
ICMMD2016_paper_94	Setup Time Reduction Using SMED Technique		ICMMD2016_paper_104	Influence of Manufacturing Parameters on Performance of Biodegradable Mg-Ca-LD Implant		ICMMD2016_paper_75	Modal Analysis of MCM300 Headlamp by using FEA And Experimentation	
ICMMD2016_paper_123	Advanced Graphical User Interface for Analysis of Infrared Thermographic Sequence using MATLAB		ICMMD2016_paper_107	Some Experimental Investigations on Turning of Nimonic 80A using Silicon Ceramic Inserts		ICMMD2016_paper_84	Free Vibration And Structural Analysis Of Joints	
ICMMD2016_paper_51	Actuation of Electro-Pneumatic System using MATLAB Simulink and Arduino Controller- A case of a Mechatronics systems Lab		ICMMD2016_paper_48	Effect of Karanja Oil in Water Based Cutting Fluid on Surface Roughness and Tool Wear during Turning of AISI 1045 Steel		ICMMD2016_paper_46	Application of Shainin DOE tool to Explore Unknown Variables causing 'Ghost Noise' in 5th Gear Cycle of Transaxles during NVH Testing	
ICMMD2016_paper_141	Abrasive Assisted Electrical Discharge Machining: An Innovative Hybrid Approach		ICMMD2016_paper_114	Multi-characteristics Optimization of hard turning parameters for ohns steel		ICMMD2016_paper_20	F.E.M. Analysis for Filtration of Particulate Matter using PTFE-PET Filter	
ICMMD2016_paper_142	Analysis of Undercut for SS304 in Photochemical Machining		ICMMD2016_paper_118	Exploring Machinability of AISI 4340 Steel with Coated Carbide Inserts		ICMMD2016_paper_133	Analysis of Symmetric, Asymmetric and Hybrid Laminated Composite Plate by using Finite Element Method in MATLAB	
Session- 6 (04:00 pm to 05:00 pm)								
Plenary Talk: Dr. T. P. Singh, Symbiosis Institute of Technology, Pune								
6A			6B			6C		
Micro Machining/Optimization			Casting & Molding			Wear & Tribology		
Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s		Paper ID	Title of paper & Author/s	
ICMMD2016_paper_35	Laser Micro-drilling Process Quality Improvement using Noble Bat Algorithm		ICMMD2016_paper_45	Optimization of Injection Moulding Process Parameters using Shainin System		ICMMD2016_paper_32	Wear Analysis of Electromagnetic Brake used for Forklift Braking Application to Predict its Working Life	
ICMMD2016_paper_57	A Review on Biomachining of Copper		ICMMD2016_paper_83	Experimentation and Optimization of Shrinkage in Plastic Injection Moulded GPPS Part		ICMMD2016_paper_65	Surface Morphology and Stability Analysis of Ceria-based Nanoparticles for its Utilization as a Lubricant Additive	
ICMMD2016_paper_139	Experimental Study of Anode Shape Prediction in through Mask Electrochemical Micro Machining		ICMMD2016_paper_136	Macroscale Arrayed Structure Fabrication using Reverse EDM		ICMMD2016_paper_129	Investigation of Microstructure and Mechanical Properties of AlTiCN, AlCrN Coatings Deposited by Advance Sputtering Technique	

A: Conference Hall

B: EDU SAT Hall

C: LH 002

Wednesday, 21st December 2016