

INTERNATIONAL CONFERENCE ON ADVANCES IN DESIGN & MANUFACTURING (ICAD&M'14)

SESSION DETAILS

FRIDAY, 5 DECEMBER 2014

Venue	Paper ID	TITLE
ORION Hall G1	DM 06	Ergonomic and biomechanical analysis of product in static and dynamic condition
	DM 29	Modeling and stress analysis of guide ways in automatic CTC roller chasing machine
	DM 50	Structural integrity assessment of various tube wrapper joints for boilers
	DM 54	Ductile fracture behavior of low carbon high strength steel using continuum damage mechanics
	DM 70	Variable stiffness pneumatic spring employing multiple reservoirs for automotive applications
	DM 78	Impact of multiple cracks on the free vibration of MINDLINE plates
ORION Hall G2	DM 90	Design analysis of kevlar fiber plates imposing various boundary conditions
	DM 105	Kinematic analysis for prosthesis leg using virtual interface
	DM 125	Modeling and simulation of lacing wire damage induced effect on natural frequency of grouped blades
	DM 149	Optimization of machining fixture layout using integrated Taguchi, multiple regression and genetic algorithm
	DM 170	Bent bar coupling a novel system for power transmission
ORION Hall G3	DM 183	Incorporation of both inner and counter face mechanism in a vehicle with the help of electro hydraulic system
	DM 194	Design and fabrication of manual briquette machine for rural people
	DM 198	Experimental investigation on boring tool vibration control using MR fluid damper
	DM 213	Minimization of engine vibration– modelling and optimization of vibration parameters
	DM 216	Simulation study of experimental prototype quarter car test rig
	DM 524	Design and Development of Modified Air Cooler cum Storage System
ORION Hall G4	DM 244	BEM solution for 3- dimensional arbitrary shaped bodies using face based basis functions
	DM 269	Application of expert systems in vibration diagnostics of rotating machinery
	DM 289	Investigation of particle damping in boring tool using copper-zinc particles
	DM 300	Vibration analysis of printed circuit boards: modeling and simulation
	DM 313	Influence of structural distortions on type 304 stainless steel 90° pipe bends with critical circumferential THROUGHWALL cracks under bending moment and internal pressure
	DM 314	Prediction of white layer formation of AISI 52100 steel in grinding by power measurement
BARN HALL (Poster Presentation)	DM 14	Kinematic analysis of five-bar mechanism in industrial robotics
	DM 31	Design and development of shock absorbing cycle wheel
	DM 95	Computational analysis of boring tool holder with impact damper
	DM 104	An Innovative Design for Robotic ENDOCAPSULE
	DM 165	Design and Development of Tool Wear Measurement System
	DM 169	Structural and modal analysis of space frame chassis
	DM 214	Work Window Calculation and Visualization of 6-DOF Robotic system
	DM 261	Study of dynamic response of two-wheeler components through FE crash simulation

DESIGN STREAM

Note: Poster Size: 3 Ft wide and 4 Ft Height

Session I (11:30 A.M. – 12:30 P.M)

Venue	Paper ID	Title
ORION Hall G1	DM 315	Computer aided automatic water pipe network analysis
	DM 331	Design and optimization of low pressure sculptured diaphragm with burst pressure and stress analysis
	DM 332	EMG-TORQUE correlation on human upper extremity using evolutionary Computation.
	DM 342	Structural design and analysis of horizontal axis wind turbine blade
	DM 358	Design and development of RAGI-THRESHER and DE-HUSKING machine
	DM 383	Position analysis and rotation Angle determination of six axis Robot trainer using kinematic Modeling
ORION Hall G2	DM 395	Inverse dynamics of cracked cantilever beam
	DM 422	Design and analysis of CNTFET based SRAM in 32nm technology
	DM 427	Design of a finite element based sensor for determination of SULPHUR content in crude oil
	DM 448	The kinematic analysis of a robotic prosthetic leg for estimation of torques
	DM 449	Towards energy savings of a hydraulic lifting system: a bond graph simulation
	DM 450	Dry sliding tribological characterization and parameters optimization of aluminium hybrid metal matrix composite for automobile brake rotor applications
ORION Hall G3	DM 473	Large amplitude free vibrations of MINDLIN plates using coupled displacement field method
	DM 474	Effect of Poisson's ratio on large amplitude free vibrations of Timoshenko beams using coupled displacement field method
	DM 489	Effects of aging on hardness and wear properties of Cu-9ni-6sn cast alloy
	DM 499	Design and development of pneumatic excavator for biogas sludge.
	DM 501	Enhanced framework of reliability analysis for critical network infrastructure
	DM 530	Common stage walking line assembly model in prototype fabrication of aircraft sub-assembly
ORION Hall G4	DM 545	Optimal design of landing impact isolator for aero plane
	DM 550	Modeling and simulation of lacing wire damage effect on natural frequency of grouped blades
	DM 596	Computational Procedures in the Failure Assessment of Fracture Specimens
	DM 191	Design and development of vacuum brake system in Light commercial vehicle
	DM 347	Minimization of Mean Tardiness in Hybrid Flow Shop with Missing Operations Using Genetic Algorithm
	DM 239	Minimization of Weighted Tardiness and Earliness in Permutation Flow Shop with Setup Time
BARN HALL (Poster Presentation)	DM 308	Design of helical spring using composite material
	DM 351	Dynamic analysis of a single compliant leg of a STEWART-GOUGH type parallel mechanism
	DM 392	Design and modelling of an in-pipe inspection robot
	DM 495	Optimum curing condition for cogged belt with better capability of breaking strength
	DM 505	Comparative study of performance, emission & wear analysis of biofuel bio lubricant (Rapeseed & Pongamia) in a diesel engine.
	DM 544	Design and analysis of a hub-less personal vehicle
	DM 564	Evaluation of molybdenum di-sulphide as a self-lubricating layer in artificial knee joint
	DM 312	Enhancing performance of vertical axis wind turbine by passive dynamic stall control

Session II (12:30 P.M. – 1:30 P.M)

DESIGN STREAM

Note: Poster Size: 3 Ft wide and 4 Ft Height

Venue	Paper ID	Title
ORION Hall G1	DM 01	Progressive failure analysis of composite plates with rectangular/square cutout using finite element method
	DM 22	Analysis on the effects of powder forming process parameters on the compressive and dynamic hardness of zirconia toughened alumina composites
	DM 23	Optimization of powder forming process parameters to achieve higher hardness of zirconia toughened alumina composites using response surface method
	DM 24	Impact properties of epoxy/glass fiber/ nano clay composite materials
	DM 25	Enhancement of mechanical properties in boron carbide reinforced 6061 aluminum alloy metal matrix composites by squeeze casting route
	DM 271	Experimental Evaluation of EDM machining of Al-SiC-Fly ash Metal Matrix Composite
ORION Hall G2	DM 60	Experimental investigation on mechanical properties of NR/CB and NR/RRP composites using silica powder compared with natural rubber
	DM 72	Appraise on durable cannabis SATIVA/DORA hemp diversified fibres reinforced polyester composites
	DM 73	Optimization of two body abrasive wear of Al-Mg-Si hybrid composites.
	DM 84	Dry Sliding wear behaviour of AA6082-TiC composites using Friction Stir Processing
	DM 103	Sustainability aspects in damaged composites
	DM 511	Effect of Chip Thickness on Consolidation of Commercial Pure Aluminium Chips by Equal Channel Angular Pressing (ECAP)
ORION Hall G3	DM 137	Investigation of mechanical properties and optimization in drilling of jute and human hair hybrid composite
	DM 173	Development and performance characterization of aluminium Im25/ZrO2 metal matrix composites
	DM 175	Study of microstructural characterization and Mechanical properties of cryo-rolled AA8090 alloy
	DM 202	Chemical resistance, tensile and impact properties of bamboo/glass fibers reinforced epoxy composites
	DM 222	Rainfall pattern and classification of districts In TamilNadu using data mining techniques
	DM 227	Mechanical property analysis of woven hybrid fibre reinforced epoxy composites
ORION Hall G4	DM 252	Optimization of AL4032-(ZrB2+TiB2) in-situ composite using dry sliding pin-on disc machine
	DM 253	Studies on microstructure, mechanical properties and corrosion behaviour of mg-6al-1zn magnesium alloy by cerium addition
	DM 256	Detection of crack using genetic algorithm
	DM 276	Effect of percentage reinforcement of steel slag on the tensile property of aluminium matrix composites
	DM 277	Investigation of novel parameter affecting distribution of reinforcement and tensile strength of aluminium nano metal matrix composites
	DM 295	Synthesis and characterization of cu-al-be ternary shape memory alloys prepared by induction melting technique
BARN HALL (Poster Presentation)	DM 228	Enhance mechanical properties by using natural fibre and composite materials
	DM 241	Evaluation of Grasp Quality Indexes of a Dexterous Robotic Gripper
	DM 275	Evaluation of mechanical properties of aluminium alloy (AA 6061) reinforced with boron carbide (B4c) metal matrix composites
	DM 290	Chatter control in shaping process using dynamic vibration absorber
	DM 366	Wear performance of aa2024-b4c composites
	DM 384	A fuzzy based failure analysis in electrical switching applications using weighted geometric mean technique
DM 376	Upshot of ultrasonic amplitude on developing the AA6061/Sicp metal matrix nanocomposites	

Venue	Paper ID	Title
ORION Hall G1	DM 303	Influence of particle size in the wear behavior of al-si-b4 c developed composite prepared using stir casting
	DM 306	Application of PCA based hybrid Taguchi method for multi-response optimization of CNC milling of composite al6063+5%sic and al6063+10%sic
	DM 309	Parametric optimization of CNC turning process for hybrid metal matrix composite
	DM 310	A comparative study on wear performance of al 6063 metal matrix hybrid composite
	DM 372	Design, manufacturing and design validation of chassis mounted specialized structure for 8x8 Allterrain vehicles
	DM 386	Improving effectiveness of ROTAVATOR towards increased agricultural productivity
ORION Hall G2	DM 387	Optimization of wear parameters that influence the dry sliding wear behaviour of al6061/cu–sic composites by using Taguchi method.
	DM 402	Application of Taguchi and ANOVA in the optimization of process parameter levels for surface finish and hole diameter accuracy in dry drilling of thick PULTRUDED composites
	DM 411	Experimental investigations on the performance of hybrid composite drive shaft
	DM 415	Multi response optimization of process parameters in electrical discharge machining of al6061-6%tib2 in-situ metal matrix composite
	DM 445	Effect of Nano-ZnO on the mechanical behaviour of Polystyrene Matrix Composites
	DM 455	Experimental investigation of cutting forces, surface roughness in the turning of b4cp reinforced 6061 aluminium metal matrix composites
ORION Hall G3	DM 463	Mechanical behavior of al7075 (hybrid) metal matrix composites by two step stir casting process
	DM 478	Processing and evaluation of wear behavior of al6061-6%al2o3-6%graphite particulate composites
	DM 486	Effect of process parameters on the CO deposited Ni-Sic particle reinforced metal matrix composite (mmc) coatings by electroplating.
	DM 497	Solar water distillation using three different phase change materials
	DM 521	Tensile behavior of KEVLAR epoxy composites under different loading conditions
	DM 551	MECHANICAL BEHAVIOUR of SUGARCANE BAGASSE and COIR FIBERS REINFORCED COMPOSITE
ORION Hall G4	DM 561	Hybrid bio composites from agricultural residues: mechanical and thickness swelling behavior
	DM 563	Dielectric properties of chemically modified municipal solid waste and banana fiber composites
	DM 566	Properties and performance of bio particulated natural green husk coir fiber-vinyl ester composites
	DM 584	Some Studies On Aluminium Based Metal Matrix Composites With B4c, Sic And Mg
	DM 589	Mechanical, Tribological and Machinability Behavior of Bio Waste Fibers Reinforced- Polymer Hybrid Composite
	DM 601	The Microstructure and Mechanical Properties of SiCp Reinforced Aluminum Matrix Composites
	DM 594	Mechanical properties of metal and polymer matrix composites - Review
BARN HALL (Poster Presentation)	DM 64	Fabrication and characterization of hibiscus SABDARIFFA and agave SISALANA fibers reinforced hybrid polyester composite
	DM 121	Integration of utility analysis with Taguchi technique for the optimization of WEDM process parameters
	DM 475	Microstructure and tensile behaviour of 9wt% ceramic b4c particulate reinforced 6061 aluminium matrix composites
	DM 516	Multi objective optimization of machining performance in aluminium hybrid metal matrix composite using response surface methodology
	DM 606	Mechanical behavior of Al and B4C composite processed through Equal Channel Angular Pressing (ECAP)
	DM 586	Aluminium Metal Matrix Nano Composites (Al MMNCs) – Manufacturing methods: A Review
	DM 575	Optimization of Friction Stir Welding Parameters to Maximize the Tensile Strength of Dissimilar AA2024-T6 and AA7075-T6 Aluminum Alloy Joints
	DM 234	Evaluation of mechanical properties of aluminium alloy (aa 6061) reinforced with molybdenum di Sulphide (mos2) metal matrix composites

Venue		Paper ID	TITLE	
Session I (10:00 A.M. – 11:00 A.M)	ORION Hall G1	DM 20	Artificial neural network modeling for predicting slag detachability in austenitic stainless steel welds	Optimization
		DM 28	Quality of work life of employees of casting industry: a survey	
		DM 49	Evaluating process parameters of multi-pass turning process using hybrid genetic swarm (hgss) algorithm	
		DM 148	Genetic Algorithm to Solve a Common Depot and Multiple Customers based Vehicle Routing Problem	
		DM 164	Optimization of EDM hole drilling parameters in machining of mosi2-sic intermetallic/ceramic composites	
		DM 172	Selection of optimum machining parameters in turning operation using analytic hierarchy process	
		DM 197	Implementation and evaluation of lean and green manufacturing in Indian industries	
	ORION Hall G2	DM 242	Investigations on turning parameters of 15-5ph steel using Taguchi based grey approach and TOPSIS.	
		DM 270	Optimization and characterization of electrical discharge alloying of aisi-d2 tool steel with nickel and tungsten carbide powder	
		DM 274	Optimization of friction welding of commercial aluminium tube to al 2025 tube plate using an with hole (wh) and without hole (WOH) processes	
		DM 278	Optimisation of quantity and temperature of hot water in the imbibition process at milling section of a sugar plant using Latin Square method	
		DM 316	Six sigma enabled service quality assessment – An engineering college case study	
		DM 317	Experimental investigation and multi-objective optimization of process parameters in EDM drilling	
		DM 206	Performance Evaluation of Epoxy composite Vortex Tube Parameters using Taguchi Method	
	ORION Hall G3	DM 343	Optimization of flux cored arc welding process parameters by using GA	
		DM 346	An analysis of hybrid data mining simulated annealing algorithm (HDSA) for single machine scheduling problem	
		DM 348	Minimization the transportation cost in multi-row layout problem with flexible manufacturing system using evolutionary algorithms	
		DM 404	Optimization of machining parameters for turning of magnesium alloy using response surface methodology	
		DM 442	Minimization of cellular layout complexity index using TRIZ	
		DM 464	Multi response optimization of WEDM process using TGRA & PCA	
		DM 493	Taguchi optimization and effect of process parameters on aa5083 alloy friction stir welds	
ORION Hall G4	DM 528	Neural network, wavelet and PCA based gear fault diagnosis		
	DM 543	Sensitivity based optimal location of facts device using GAOPF		
	DM 553	modeling and optimization of wire EDM process		
	DM 565	Artificial neural network modelling for EDM of hot pressed zrb2-sic composites		
	DM 574	Experimental Evaluation of FDM Process for Support Material Optimization		
	DM 607	Application of Factorial Design Method in the Optimization of Turning Parameters for Metal Removal Rate		
	DM 608	Design of fuzzy based modified full bridge three-level dc/dc converter for wind turbines		
BARN HALL (Poster Presentation)	DM 36	Application of Mixed Oxide of Cerium Iron Nanostructure for separation of Metals from Water		
	DM 63	Battery energy storage station (BESS)-based on smoothing control of MPPT in fuzzy logic for hybrid system		
	DM 187	Optimization of process parameters on friction stir welding of nylon 6 polymer plate		
	DM 189	An early gear fault diagnosis method based on EMD, GA and ABC algorithm.		
	DM 370	Dry sliding wear Behaviour of Aluminium Alloy based Self Lubricating Hybrid Metal Matrix Composite Using Taguchi's Techniques-Extended Abstract		
	DM 408	Chip-level physical implementation of MPPT algorithm for PV panel		
	DM 472	Modelling And Optimization Of Solar Energy Using Pic Microcontroller With Horizontal Axis Solar Tracker		

Note: Poster Size: 3 Ft wide and 4 Ft Height

	Paper ID	Title	
ORION Hall G1	DM 151	Ant Colony Optimization Algorithm to Solve a Vehicle Routing Problem	Optimization
	DM 283	Optimization of Worker Assignment in a Dynamic Cellular Manufacturing System Using Genetic Algorithm	
	DM 365	Multi-objective optimization of machining parameters in cnc milling using nsga-ii	
	DM 446	Regression modeling and simulated annealing approach for multi-objective optimization of cylindrical grinding process parameters	
	DM 579	A Modified Post Processing Technique to Design a Compliant Based Microgripper with Plunger using Topologically Optimization	
	DM 590	Static Single-Objective Multiprocessor Task Scheduling in Hybrid Flowshop Problems: A Hybrid Evolutionary Firefly Algorithm Approach	
ORION Hall G2	DM 592	A Fuzzy Dematel Approach For The Optimization Blood Banks	
	DM 593	Optimization Of Public Blood Supply Chain – A Dematel Approach	
	DM 597	Evaluating the efficiency of 3PL logistics operations using DEA	
	DM 598	An Integrated Model For Selection Of 3pl Provider Using Fuzzy Topsis	
	DM 599	Applying ANP in Logistics Service Provider Selection	
	DM 603	Sustainable Floor-space Utilization for Order-Picking for a multinational automobile Warehouse	
	DM 460	Multi-attribute Optimization in CNC Turning of PEEK Polymer using Grey Relational Theory	
ORION Hall G3	DM 97	Experimental and numerical investigation of heat transfer characteristics in a square duct roughened by square and triangular shaped ribs on two opposite walls	FEM
	DM 100	Modelling and analysis for minimization of mean flow time in fms simulation	
	DM 117	Stress analysis of superheater wingwalls of circulating fluidized bed combustion boiler	
	DM 123	Finite element analysis and experimental results of aluminum alloy cylindrical cups using without blank holder	
	DM 143	Experimental and finite element analysis of mild steel impeller sheet in a deep drawing process through trapezoidal dies	
	DM 199	Finite element modeling for fracture mechanics analysis of circumferential butt joint of aircraft fuselage structures	
ORION Hall G4	DM 219	Design analysis of radial fan blower by CFD	FEM
	DM 249	Numerical simulation of cold expansion of cut-out with semi-circular ends	
	DM 368	Structural analysis of crane hook using the finite element analysis (fea) approach	
	DM 595	Finite Element Analysis of Shape-Imperfect Pipe Bends under In-Plane Closing Moment	
BARN HALL (Poster Presentation)	DM 329	Evaluation of safety and health hazards in foundries using hira	Safety Engg.
	DM 389	Comprehensive evaluation on occupational hazards due to noise in foundry	
	DM 391	Analysis of body postures of employees in bearing manufacturing industry by using ergonomic tools	
	DM 120	Modified criticality in reliability allocation	
	DM 577	Application of Response Surface Methodology and Cuckoo Search Algorithm for CNC Turning Machining Parameters Optimization	
	DM 360	Prevention Of Accident Occurrence In Manufacturing Industries	
	DM 335	Safety, Health, Environment And Ergonomics (SHEE) Failure Mode Effective Analysis	
	DM 301	Investigation Of Tribological Behaviour Of Thermal Spray Coated Surfaces By RSM	
DM 391	Analysis of body postures of employees in bearing manufacturing industry by using ergonomic tools		

Note: Poster Size: 3 Ft wide and 4 Ft Height

Venue	Paper ID	Title	
ORION Hall G1	DM 02	The effect of titanium addition on hardness and wear properties of cast cu-6sn-5ni bronze alloy	Materials & Metal Forming
	DM 04	Investigation of the effect of shot peening process on corrosion characteristics of aluminium 2024-t3 alloy	
	DM 35	A Study of Mechanical Properties of Nuclear Reactor Bearing Steels Using Digital Image Correlation Technique	
	DM 43	Bulk Processing of Fine Grained OFHC Copper by Cyclic Channel Die Compression	
	DM 91	Microstructural characteristics of hvof sprayed ni-cs-al ₂ o ₃ coating	
	DM 118	A Critical Analysis of Fibre to Metal Friction with Box Bhenken Design	
ORION Hall G2	DM 156	Tribological behaviour of the nano al ₂ o ₃ reinforced with lm25 alloy by compocasting	
	DM 174	Effect of micro arc oxidation on corrosion behaviour of magnesium AZ31 alloy gta welds	
	DM 192	Electrochemical studies of al-li cast alloy with the effect of zinc additions in 3.5wt. % of nacl solution	
	DM 354	Influence of process parameters on forming force in single point incremental forming of polymers	
	DM 382	Effect of sintering atmosphere and solution treatment on density, microstructure and tensile properties of duplex stainless steels developed from pre-alloyed powders	
	DM 416	Segmentation of corrosion material based on color and texture features	
ORION Hall G3	DM 451	Formability analysis for enhancing forming parameters in aa8011/pp/aa1100 sandwich materials	
	DM 452	Characterization of microstructure and mechanical properties of Cu-Cr-Zr alloy & its electron beam welding (EBW) with Cu-Cr-Zr-Cu-Cr-Zr, Cu-Cr-Zr-Ni, Ni-Ss for thermo nuclear application	
	DM 469	Effect of cryogenic treatment on copper beryllium alloy	
	DM 480	Development of Spray Deposited YTTRIA Stabilized Zirconia Thin Films for Mechanical Applications	
	DM 519	An investigation on the effect of ni addition on the hardness of al-si-mg alloy	
	DM 587	A Review On Phase Change Energy Storage System With PCM Materials and its Applications	
ORION Hall G4	DM 150	Heat transfer analysis on briquetting machine die using ANSYS	Heat Transfer
	DM 195	Experimental study on heat storage systems to evaluate discharge time and energy storage	
	DM 196	Optimizing the cooling effect of counter flow vortex tube using response surface methodology and genetic algorithm.	
	DM 385	Heat Transfer Performance of a Closed Loop Pulsating Heat Pipe for higher Heat Loads	
	DM 327	Heat transfer and pressure drop correlations of Rectangular perforated fin surface of a compact heat exchanger	
	DM 371	Theoretical analysis of critical design parameters for maximum thermal efficiency of solar stirling engines	
	DM 232	Impact of lumped motor heat losses on temperature behavior at key heat sources of ball-screw feed drive system during simulation	
BARN HALL (Poster Presentation)	DM 10	Effect of Cracks on Forming Limit Diagram Using FEM	
	DM 12	Numerical simulation of ballistic performance of dissimilar welded joints	
	DM 88	Crash worthiness and formability assessment of complex systems using finite element analysis	
	DM 179	Finite element analysis of redrawing of a SS 316	
	DM 193	Comparison and investigations into coupled thermal-structural FEA of non-conventional machining processes	
	DM304	Fused deposition modeling - insights	
	DM 462	Laser Surface Modification Of High Carbon Steel Components	
DM 68	Design and fabrication of tube and bundle heat exchanger using NEOLYTE solution in annealing and pickling line.		

Note: Poster Size: 3 Ft wide and 4 Ft Height

Manufacturer's Presentation – Time 4.00 P.M to 5.00 P.M

Venue	Paper ID	Title
ORION Hall G1	DM 76	Electrochemical micro-drilling of a composite
	DM 77	Numerical analysis of piezoelectric adaptive sandwich plate made of FGM
	DM 122	Finite element study of mathematically defined heterogeneous porous scaffold architecture for tissue engineering
	DM 204	Characteristic studies of nano fluids in heat transfer
	DM 217	Development of low cost, low melting and high strength bulk nano-crystalline lead free sn-07cu solder alloy by mechanical alloying method
	DM 224	Improvement in face milling process for en 31 using aluminium oxide nanoparticles
	DM 51	Mems Based Optobionics Retinal Implant
	DM 513	Estimation of Distinctive Mechanical Properties of Spark Plasma Sintered Ti-TiB composites Through Nano indentation Technique
ORION Hall G2	DM 294	Design, Analysis and Fabrication of Poly amide (Nylon 6) Porous Structured Scaffold using Rapid Prototyping Method for Medical Applications
	DM 298	Finite element analysis of MICRONEEDLE insertion into soft tissue for drug delivery system
	DM 326	Effect of cover plate off-set in hyper elastic semi cylindrical fluid filled robot finger on its load lifting ability
	DM 328	Mechanical properties of ni-nano sic composite coating on aluminium alloy a319 by electro-deposition
	DM 349	Influence of bonding time on the mechanical and metallurgical characteristics of powder metallurgically produced pure aluminium and pure copper diffusion bonded bimetallic joints
	DM 369	Design and development of a mechanical gripper for apple loading application
ORION Hall G3	DM 417	Modeling and control of vibration of smart cantilever beam with tip mass using piezoelectric material
	DM 423	Identification of New Material in the Form of Nanofluid and Investigation of its Performance Characteristics Using Parallel Flow, Counter Flow and Shell and Tube Heat Exchangers
	DM 470	Modelling and simulation of cathode and anode erosion in micro-EDM process
	DM 479	Structural health monitoring of glass fiber reinforced composites using embedded piezoelectric sensors
	DM 483	A complete analytical solution for different conditions of circular diaphragm pressure sensor with central concentrated load
	DM 484	Life estimation of cardiovascular stents using numerical approach – effect of ageing
	DM 580	Design of Compliant Mechanism Microgripper Utilizing the Hoekens Straight Line Mechanism
	DM 583	Water Management Design for the Enhanced Performance of Air-Breathing Proton Exchange Membrane Fuel Cell
BARN HALL (Poster Presentation)	DM 588	Experimental Investigation and numerical simulations of hybrid composite drive shaft
	DM 362	Developing an agile based supply chain model for Indian agro based products
	DM 159	Adoption of Cloud Computing Technologies in Supply Chain Management
	DM 133	Prediction of thermal distribution in friction welded alumina/steel combination
	DM 436	Experimental investigation of surface roughness of ss-202 in die-sinking EDM
	DM 355	Experimental Investigations and Analysis of Machining Parameters for Machining EN8 Material
	DM 57	Analysis of heat transfer co-efficient of copper based water Nanofluid using double pipe heat exchanger
	DM 116	Experimental study on performance variation of helical coil heat exchanger
	DM 403	An Investigation Of Mechanical Properties Of Aluminum Alloy 6061-T6 Welded By Tig And Friction Stir Welding Processes
	DM 279	Optimization of process parameters on friction stir welding of polyethylene plate

Micro / Nano Engineering

Session IV (05:00 P.M. – 06:00 P.M)

Note: Poster Size: 3 Ft wide and 4 Ft Height

SUNDAY, 7 DECEMBER 2014

Session I (10:00 A.M. – 11:00 A.M)

Venue	Paper ID	Title
ORION Hall G1	DM 17	Effect of burnishing process on machined surfaces generated by electrical discharge machining on ss316
	DM 19	Modeling of turning parameters for Inconel 718 alloy using ANN
	DM 119	Friction Stir Welding Process for the Characterization of AA 7075-T6 Aluminum Alloy Welded Joints
	DM 134	Analytical evaluation of the performance of abrasives in drill less dentistry
	DM 157	Integrity of EDM resultant surfaces
	DM 558	An investigation on weld quality characteristics and modelling of gas tungsten arc welded austenitic stainless steels
	DM158	Teach Less Robotic System for Deburring Workpieces of Various Shapes
ORION Hall G2	DM166	Vision Assisted Automated Tool Path Planning for Robotic Deburring of Drilled Holes in Flanges
	DM 181	Process parameter optimization and Characterization for FSW of Nylon 6 material using Taguchi technique
	DM 221	Investigation of spindle thermal expansion in cnc machine
	DM 245	Experimental Investigations on Electrical Discharge Alloying of Aluminium 7075 with Molybdenum and Graphite Powder
	DM 257	Evaluation of quality of dissimilar (Al/Cu) diffusion bonding by ultrasonic method
	DM 153	Test pattern generation and reordering scheme using modified ant colony and simplified swarm optimization algorithms
	DM 272	Analysis on Joint Strength in Friction Welding of Tube- to-Tube Plate using External Tool
ORION Hall G3	DM 287	Modeling of cut quality during co2 laser cutting of aisi 316l sheet for straight and curved profile
	DM 288	Modeling of co2 laser cutting of aisi 304 steel sheet for curved profile
	DM 304	Fused deposition modeling - insights
	DM 320	Design and analysis of multiple tools for incremental forming of sheet metals
	DM 359	Manufacturing challenges of intermediate heat exchanger: a designer perspective
	DM 418	Drilling of micro holes on soda-lime glass through electrochemical discharge machining process
ORION Hall G4	DM 443	Tribological and machining performance of the cvd diamond coatings against alm-30sicp mmc
	DM 471	To investigate the effect of process parameters on surface roughness of nimonic 80a in dry machining with cbn cutting tool- by ann approach
	DM 482	Effect of Longitudinal and Transverse Vibration on Material Removal Rate and Dross Formation Rate in Plasma Arc Cutting Process
	DM 485	Concept of group technology accomplishment in the field of cellular manufacturing systems
	DM 491	Scrutiny of Machine Assignment in Various Intra-Cell Layout in Cellular Manufacturing using Automation Studios
	DM 559	Numerical simulations and heat transfer studies on solar cooking vessel
	DM 108	Application of Integral Terminal Sliding Mode Controller via Multi-level Switching for a Nonlinear Multivariable Process
	DM 570	Combined contact pressure and vibration exposure measurements during impact drilling operation

Manufacturing

Venue	Paper ID	TITLE	
ORION Hall G1	DM 42	Prediction and optimization of process parameter on friction stir welding of aa7075-t6 alloy using rsm	Welding
	DM 258	Modeling And optimization of GTAW process parameter for Incoloy825 by using factorial design approach	
	DM 285	Comparative evaluation of friction stir welding of wrought aa5083-h321 and cast al-mg-sc alloys	
	DM 324	Effect of process parameters on mechanical properties in submerged arc welding using doe	
	DM 414	Investigations on the mechanical properties and microstructure of copper and AISI 430 ferritic stainless steel using friction welding	
	DM 465	Experimental investigation on the impact of the tool profile in the mechanical properties of fsw az31b mg alloy using optimized process parameters	
	DM 560	A comparative study of artificial neural network and response surface methodology for modelling and optimization of friction welding of incoloy 800 h	
ORION Hall G2	DM 573	Structural Health Monitoring on AA6061-AZ61 FSW Butt Joint using Image Processing Approach	
	DM 576	Prediction of Temperature Distribution in the welds of SS304L Plate through Transient Thermal Analysis and Validation of Results	
	DM 578	Optimization of Parameters Activated TIG Welding for Improving Weld Joint Strength of AISI 4135 PM Steel by Genetic Algorithm	
	DM 581	Development of mathematical model to predict the tensile strength of friction stir welded AA 5059 aluminium alloy joints	
	DM 585	MAGNETIC PULSE WELDING OF DISSIMILAR MATERIALS FOR AUTOMOTIVE APPLICATIONS: TESTING AND EVALUATION	
	DM 602	Modified Friction Stir Spot Welding of Aluminium with Steel using SiC Reinforcement	
	DM 605	Continuous and pulsed current gas tungsten arc welding of maraging steel and AISI 4340 aeronautical steels using ER 309 filler	
ORION Hall G3	DM 27	Analysis on project management of railway Doubling work at Hubli	Supply Chain Management
	DM 154	Green supply chain performance evaluation model by integrating fuzzy AHP and fuzzy VIKOR methods	
	DM 163	Improvement of production by assembly line simulations using FLEXSIM	
	DM 180	Modelling and optimization of closed loop supply chain system considering inventory at multiple periods	
	DM 205	Effective trends of PDM involved in new product development	
	DM 247	A fuzzy multi-objective based un-related parallel machines scheduling problem with sequence and machine dependent setup times	
	DM 248	Scalability planning and its effects on Reconfigurable Manufacturing System under uncertain demand	
ORION Hall G4	DM 262	Delayed fracture of abrasive grains by bulk surface coatings	Supply Chain Management
	DM 291	Right shift- left shift rescheduling for managing the disruption in the household goods manufacturing supply chain	
	DM 296	Musculoskeletal discomfort analysis in forklift operations	
	DM 487	Price dependent & time demand two echelon inventory model with supply rationing in the supply chain	
	DM 517	Inventory management using ABC analysis - A case study on manufacturing industry	
	DM 406	Analysis of Supply Chain Conflicts in a Distribution Channel Using Colored Petri Nets	
	DM 538	Integrated Supply Chain Performance Measurement Techniques – A Review	
ORION Hall G5	DM 188	Multilevel Switching Integral Terminal Sliding Mode Control for Modified Quadruple Tank Process	Others
	DM 525	Experimental analysis of thermoelectric generator using solar energy	
	DM 526	Optimization of micro thermoelectric Generator for concentrated solar energy	
	DM 537	A Survey of Challenges and Cross layer Security in Industrial Wireless Sensor Networks	
	DM 569	Numerical simulations of flat plate solar collector	
	DM 600	Analysis of Routing Protocols Security for Secure Communication in Mobile Ad-hoc Networks	
DM 604	Stein’s Unbiased Risk Estimate Regularization for DOT System Enhances Image Reconstruction with High CNR		

