

Thursday, 10 December 2015

Time	Venue	Theme	Paper ID	Title	Author	
03:45-06:10	Auditorium	Chairs (Prof. Bijoy Bhattacharyya and Prof. R. Manu)				
		ECM/ECDM Process I	Invited Talk : Prof. N J Vasa, IIT Madras			
			77	Experimental study of Milling Electro-Chemical Spark Machining (M-ECSM) Process on Borosilicate Glass		Vevek Kumar and Vinod Yadava
			88	An Investigation on the Effect of Machining Parameters on Grinding Assisted Electrochemical Discharge Drilling (G-ECDD) Performance		Ladeesh V G and Manu R
			104	FABRICATION OF MICROSLOTS ON TITANIUM BY ELECTROCHEMICAL MICROMACHINING		Sandip Anasane and Bijoy Bhattacharyya
			151	Experimental Investigation into Travelling Wire Electrochemical Discharge Machining of Glass Material		Mukund Harugade, Narayan Hargude, Amod Shrotri and Dr. Suresh Sawant
			232	OPTIMIZATION OF POWDER MIXED ELECTRICAL DISCHARGE MACHINING PROCESS FOR CEMENTED CARBIDE WORK PIECE		Pravendra Kumar and Sanjeev Yadav
	286	IMPROVING MATERIAL REMOVAL RATE IN MICRO ELECTROCHEMICAL MACHINING OF A HARDER AND TOUGHER MATERIAL USING ACIDIFIED ELECTROLYTE		Prakash J and Gopalakannan S		
	Hall 1	EDM Process	Chairs (Prof. Ramesh Kuppuswamy and Prof. Uday Dabade)			
			18	Effect of flushing strategies on responses during Planetary EDM of Ti-6Al-4V		Vishal Mathai, Harshit Dave and Keyur Desai
			20	Effect of depth variation on machining response during radial tool movement in EDM process		Sudhanshu Kumar, Harshit K. Dave and Keyur P. Desai
			16	ENHANCING THE CUTTING EDGE INTEGRITY OF A BALL NOSE END MILL USING A ELECTROPOLISHING PROCESS		Ramesh Kuppuswamy
			174	EFFECT OF CRYOGENIC TREATED ELECTRODES ON PROCESS PARAMETERS IN RAPID DRILL EDM PROCESS		Renu Shastri, Mohemmed Suleman Noor Mohemmed Shaikh and Rajiv B
			177	Experimental study of zinc coated and bare electrode machining of Ni-alloy for EDM - A Comparative study		Arvind Yadav and Sanjeev Yadav
			188	Estimation of Surface Roughness and AE Parameters in Machining of P20 and Stavax Material in Wire Electric Discharge Machining		Prathik Jain S, Ravindra H.V., Naveen Prakash G.V., Ugrasen G. and Nandini K.N.
			201	Experimental Investigation during WEDM of Inconel – 718 using Taguchi Method		Sunil Karidkar and Prof. Dr.Uday Dabade
			268	Analysis of 3D roughness parameters on functional surfaces generated on SS304 by electrical discharge texturing (EDT)		Jithin S, Suhas S Joshi and Upendra V Bhandarkar
	293	A Response Surface Methodology for Modeling and analysis of Wire cut EDM process of Inconel 825 Aerospace alloys		Muthumari Chandrasekaran and Jeess George		
	Hall 2	Turning Process	Chairs (Dr. R. Balasubramaniam and Prof. Raju Pawade)			
			35	A Comprehensive Model Development and its Evaluation for Sustainability Assessment in High Speed Turning of Inconel 718		Ganesh Kadam and Raju Pawade
			38	Sustainable Machining of Nimonic 90 aerospace superalloy using vegetable oils and nanofluid under MQL mode		Chetan ., Siddharath Jain, Sudarsan Ghosh and P. Venkateswara Rao
			51	Evaluation of chip characteristics of Inconel 825 during dry turning with uncoated and CVD multilayer coated tool		Sabana Azim, Soumya Gangopadhyay and Aruna Thakur
			66	Machining of Al-SiC-MMCs and Optimization of Major Turning Process Parameters		Umesh Khandey and Sudarsan Ghosh
			67	Fractal Analysis of Cutting Forces in Hard Turning for Correlating Surface Roughness		Anupam Alok and Manas Das
			124	Comparative study of conventional and minimum quantity lubrication (MQL) during machining 17-4PH stainless steel		Roshin Thomas Varughese, Dinesh Prasad Hati and Soumya Gangopadhyay
			134	Machining investigation to optimize the process parameter during hard turning of AISI D2 using coated ceramic insert.		Vaibhav Chandra, Umesh Khandey, Sudarsan Ghosh and P. Venkateswara Rao
			146	Effect of clamping method on the size and shape errors of Diamond Turned Surface		Kuldeep Mahajan, Jagruti Jaiswar, Prakash Brahmankar and R. Balasubramaniam
	259	Analysis of Cutting Forces, Surface Finish and Tool Wear during Hot Machining of Al/SiCp MMCs		Mahesh Jadhav and Prof. Dr.Uday Dabade		
Hall 3	Laser Processing I	Chairs (Prof. A. Saigal and Prof. J. Ramkumar)				
		43	A STUDY ON MILLISECOND UNDERWATER LASER ABLATION OF THIN TITANIUM SHEETS		Shashank Sharma, Syed Nadeem Akhtar and J Ramkumar	
		74	Fatigue Behavior of Direct Metal Laser Sintered (DMLS) Inconel 718		Anil Saigal and Paul Kelley	
		128	Study on the influence of plasma formation during Nd3+: YAG laser assisted micro-scribing of Cu thin films using a pump-probe technique		Srinagalakshmi Nammi, Nilesh J Vasa, Balaganesan G and Anil C Matur	
		137	Study on laser drilling of multi-walled carbon nanotube embedded glass fiber reinforced polymer nanocomposites		Dhiraj Kumar and Kalyan Kumar Singh	
		148	PARAMETRIC INFLUENCES OF IR FIBER LASER MICRO-MACHINING ON PMMA		Abhishek Sen, Biswanath Doloi and Bijoy Bhattacharyya	
		155	Influence of ambience on simultaneous Nd3+: YAG laser assisted annealing and texturing of amorphous silicon thin films for photovoltaic application		Esther Blesso Vidhya Y, Sriram R and Nilesh J Vasa	
		212	Parametric study of submerged Laser beam cutting on Inconel 625 superalloy		Nilanjan Roy, Arunanshu Shekhar Kuar, Souren Mitra and Arani Das	
		297	Influence of process parameters on surface roughness and depth deviation criteria during pulsed Nd: YAG laser micro-turning process of Aluminum Oxide ceramics		Golam Kibria, Biswanath Doloi and Bijoy Bhattacharyya	
308	EXPERIMENTAL ANALYSIS OF Nd: YAG LASER WELDING ON BUTT JOINT AISI 304 STAINLESS STEEL		Nikhil Kumar and Asish Bandyopadhyay			
Hall 4	Micro EDM I	Chairs (Prof. Jose Mathew and Prof. Samuel GL)				
		21	Study on the fabrication of micro pillars of varying height simultaneously using Reverse Micro Electrical Discharge Machining		Tribeni Roy, Debabrata Dutta and R Balasubramaniam	
		49	EFFECT OF VARIABLE MAGNETIC FIELD IN MICRO ELECTRIC DISCHARGE DRILLING OF AISI 316L STAINLESS STEEL		Mythreyi O V, Edward Issac Waller, Sivaprakash N and Dr.Hariharan P	
		69	Investigation of Surface Integrity study and Material Transfer on Nickel Sheet Using micro-EDM Process		Pankaj Kumar, Purushottam Singh, Manowar Hussain and Alok Das	
		110	MACHINING OF MICRO HOLES USING THE TAILOR-MADE MICRO-ELECTRO DISCHARGE MACHINING (μ -EDM) SETUP		Leera Raju and Somashekhar S Hiremath	
		123	One parameter at a time study of ultrasonic vibration assisted hole sinking micro-EDM of inconel 718 superalloy		Param Singh, Vinod Yadava and Audhesh Narayan	
		219	Modeling of Thermal Residual Stress During Micro-Electrical Discharge Machining on Titanium Alloy		Deepak Patil, Basil Kuriachen and Jose Mathew	
		225	Modeling and Experimental Investigation of Low Frequency Workpiece Vibration-Assisted Micro Electric Discharge Milling on Titanium Alloy		Dhondiba Awad, Basil Kuriachen and Jose Mathew	
		264	Investigations into Surface Integrity of components machined using Micro EDM Process		Dr. Samuel Gl and Kanka Goswami	
288	A kerf-loss study in slicing silicon wafers using wire-EDM technology		Kamlesh Joshi, Ananya Ananya, Upendra V. Bhandarkar and Suhas S. Joshi			

Friday, 11 December 2015

Time	Venue	Theme	Paper ID	Title	Author	
11:30-01:05	Auditorium	Chairs (Prof. Naresh Bhatnagar and Prof. Shantanu Bhattacharya)				
		Bio Materials	Invited Talk: Prof. Shantanu Bhattacharya, IIT Kanpur <i>Nanofabrication and Combustion Characterization of Highly Energetic Metal Oxides/Nano-Aluminum Composites for Pyrotechnics and Gene Transfection Applications</i>			
			115	<i>Freeze casting of Tricalcium Phosphate/Camphene based porous scaffold at low freezing rate by freeze casting method</i>	Gurdev Singh and Soundarapandian Santhanakrishnan	
			192	<i>Feature Based Design of Manufacturing Process for Precision Machining of Titanium Based Medical Implants</i>	Manish Chaturvedi, Vinay Patil, Rahul Jain, Pankaj Chauhan and Naresh Bhatnagar	
				325	<i>Tribological Analysis of 'PTFE' and 'UHMWPE' Bio-Materials in Multi-Directional Sliding Using Bi-Directional Pin-On-Plate Reciprocation under Dynamic Loading</i>	Pranay Pawar and Sudhir Patil
		Chairs (Prof. K P Karunakaran and Prof. Goutam Nandi)				
	Hall 1	Casting/Welding	40	<i>Towards force measurement based discontinuity detection during friction stir welding</i>	Amber Shrivastava, Frank Pfefferkorn, Michael Zinn, Neil Duffie and Christopher Smith	
			42	<i>Innovative Fabrication of Porous Titanium Coating on Titanium Alloy Femoral Stem of Hip Joint by Twin Wire Electric Arc Spraying</i>	Ashwinkumar Patel and Prof. Naresh Bhatnagar	
			117	<i>Parametric Optimization of TIG Welding of Stainless Steel and Mild Steel using Teaching learning based optimization</i>	Ramesh Rudrapati, Nirmalendhu Choudhury and Asish Bandyoadhyay	
			120	<i>Using the orthogonal array with grey relational analysis to optimize TIG welding of AISI 310 austenitic stainless steels</i>	Ramesh Rudrapati, Sudip Kumar Halder, Pradip Kumar Pal and Goutam Nandi	
			224	<i>Determination of gas metal arc welding parameters using response surface methodology</i>	Abhishek Ghosh, Ramesh Rudrapati, Pradip Kumar Pal and Goutam Nandi	
			287	<i>Simulation Model of Resistance Spot Welding Process to Predict Nugget Formation Phenomenon</i>	Ruchir Desai and Piyush Tailor	
		Chairs (Prof. Vinod Yadava and Prof. Mans Das)				
	Hall 2	Polishing & Finishing Process I	149	<i>Development and Comparative Study of Electro-Discharge Abrasive Face Surface Grinding (EDAFSG), Electro-Discharge Face Surface Grinding (EDFSG) and Electro-Discharge Machining (EDM)</i>	Ram Singar Yadav and Vinod Yadava	
			54	<i>Investigations on precision finishing of recovered surfaces by electrochemical honing process</i>	Harpreet Singh and P.K. Jain	
			68	<i>Heat transfer analysis of Magnetorheological fluid in Magnetic Field Assisted Finishing process</i>	Pritam Akhuly, Anwesa Barman and Manas Das	
			70	<i>Design and Development of Novel polishing Tool for Finishing of Freeform Surfaces in Magnetic Field Assisted Finishing Process</i>	Anwesa Barman and Manas Das	
			78	<i>Axial -Vibration assisted Cylindrical-Magnetic Abrasive Finishing of AISI202SS tubes</i>	Amit Singh and Vinod Yadava	
			80	<i>Study of grinding characteristics of Si3N4 ceramic by application of nano size solid lubricants using SiC wheel</i>	Anil Kumar, Sudarsan Ghosh and Sivanandam Aravindan	
		Chairs (Prof. Shyam Karagadde and Dr. Madhuri Karnik)				
	Hall 3	Material Tesing I	6	<i>Study and analysis of closed cell Aluminum foam under two different loading conditions</i>	Abhay Chaturvedi, Shashank Chaturvedi and Appasaheb S Pati	
			61	<i>Experimental Studies in Face Milling of Mg-Ca1.0 Biodegradable Alloy</i>	Sandeep Desai, Raju Pawade and Hemant Warhatkar	
			87	<i>Robust characterization of aluminium alloy metal matrix composite (AAMMC)</i>	Parshuram Sonawane, Dr. Madhuri Karnik and Deepak Bhujang	
			121	<i>Synthesis and Study of Mechanical Properties of Cast Al (Mg)-MnO2 Composites</i>	Ghanaraja S, Dileep Kumar D J, Ravikumar Ks and Madhusudan B M	
			125	<i>Effect of particle size on Porosity and Tensile Properties of Alumina Nano-Particle Reinforced Cast Metal Matrix Composites</i>	Ghanaraja S, Subrata Ray and Nath S.K	
			141	<i>Experimental analysis of orthogonal micro-machined surface features of AISI 1215 steel by using EBSD method</i>	Pankaj Sonawane, Dr. Suhas Joshi and Dr. Raju Pawade	
		Chairs (Prof. N. Ramesh Babu and Prof. Pradeep Dixit)				
	Hall 4	Modeling and Simulations I	13	<i>Deformation validation and property analysis of pure aluminium during two turn equal channel angular pressing</i>	Pintu Kumar and S S Panda	
34			<i>Kinematic Modeling and Work Space Analysis of 5-DOF Hybrid Manipulator</i>	Lalit Mohan, Sameer Bhatt and Dr. R. Balasubramaniam		
44			<i>Prediction of volumetric accuray of a cylindrical grinding machine tool using kinematic error modeling approach</i>	N Ramesh Babu, R Vairamuthu and B Vijaya Raghavendra		
55			<i>System Modelling and Simulation of Precision Electro Hydrostatic Actuator System</i>	Alle Navatha, Somashekhar Hiremath and Subramaniam Karunanidhi		
159			<i>Determining the effect of cutting parameters on surface roughness in end milling of Al-356 /SiCp MMC using the Fuzzy logic</i>	Dr. M. Chandrasekaran, Shubhajit Das and D Devarasiddappa		
183			<i>Motion Control of E-Puck Mobile Robot for Generating 2-D Geometrical Shapes</i>	Robins Mathew and Somashekhar S Hiremath		

04:30-06:05

		Chairs (Prof. P P Date and Prof. Anupam Agrawal)		
Auditorium	Forming	Invited Talk: Prof Reddy, IIT Hyderabad <i>Single Point Incremental Forming</i>		
		29	<i>Analysis of Three Roller Backward Flow Forming Process: A Simulation Approach</i>	Ravi Bhatt and Harit Raval
		126	<i>AN EXPERIMENTAL STUDY OF FORCES AND STRAIN IN SINGLE POINT SHEET INCREMENTAL FORMING OF ALUMINUM</i>	Gaurav Bartarya, Gaurav Kumar and Janakrajan Ramkumar
		156	<i>Finite Element Analysis of the Effect of Geometric and Material Parameters on Tube Hydroforming</i>	Dhrumit Gajjar, Shakil Kagzi and Harit Raval
		246	<i>Adaptive step depth for uniform stretching in single point incremental forming</i>	Harish K. Nirala, Abhishek Paul, Arshpreet Singh and Anupam Agrawal
		Chairs (Prof. J Ramkumar and Prof. Hiremath)		
Hall 1	Micro EDM II	234	<i>Synthesis of Aluminium Nanoparticles using a Novel Micro-EDM Technique</i>	Ranjeet Kumar Sahu and Somashekhar S Hiremath
		235	<i>Numerical Modeling and Multi-Objective Optimization of Process Parameters in Micro-EDM Drilling on Inconel-718</i>	Deepak G Dilip, George John, Satyananda Panda and Jose Mathew
		249	<i>An experimental investigation on Green optimization of μ-WEDG process: A sustainability approach</i>	Amandeep Singh, Divyanshu Mishra, Raunak Singh Rana, Janakranjan Ramkumar and Deepu Philip
		253	<i>A feasibility study to optimize micro electric discharge drilling of Inconel 718 using Ant Colony Optimization (ACO)</i>	Basil Kuriachen, Somashekhar K.P and Jose Mathew
		283	<i>Experimental Investigations on Micro-hole EDM Drilling in gamma-TiAl</i>	Vishal Kumar, J Ramkumar and R K Gupta
		304	<i>Study of dielectric fluid flow in micro Electro Discharge milling process using CFD method</i>	Satish Mullya and Karthikeyan G
		Chairs (Prof. Kalipada Maity and Prof. Rakesh Mote)		
Hall 2	Modeling and Simulations II	37	<i>MODELLING OF ABRASIVE FLOW MACHINING OF TAPERED COMPONENT FOR AEROSPACE APPLICATION</i>	Kalipada Maity and Anshuman Dutta Paul
		45	<i>3-DIMENSIONAL MODELING AND SIMULATION OF MAGNETIC ABRASIVE FINISHING FOR TRANSIENT THERMAL ANALYSIS</i>	Amit Katiyar and Venkateswara Rao Komma
		203	<i>A Bondgraph Model for Predicting Surface Characteristics of Bearing Housing Surface Produced by CNC Boring</i>	Akash Pandey and Milan Dharsenda
		209	<i>Modeling and Experimental Investigations on Wire-Electric Discharge Machining of Monel K500 Alloy</i>	Basil Kuriachen, Kuppan P and Oyyaravelu R
		291	<i>Modelling and optimization of drilling process parameters using Taguchi method based Response surface analysis</i>	Vipin Pahuja, Chandrashekar S Jawalkar and Suman Kant
		314	<i>AN INVESTIGATION DURING MACHINING OF Al/SiC-MMC ON FABRICATED ELECTRO JET DRILLING SETUP</i>	Alakesh Manna and Manpreet Singh
		Chairs (Prof. Naresh Bhatnagar and Prof. Gita Latkar)		
Hall 3	Material Tesing II	164	<i>INVESTIGATION ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF STIR CAST Al7475/SiC COMPOSITES AND WEAR RATE MODELING USING RSM</i>	Sobhitha Venugopal, N Ramachandran and K Sekar
		172	<i>Analysis of PDMS Material Based Micropump Including Effect of Viscoelasticity</i>	Ranjitsinha Gidde, Ranjit Kapurkar, Prashant Pawar and Babruvahan Ronge
		211	<i>Colour Anodization of Ti-6Al-4V alloy based Medical Bone Screws</i>	Pankaj Chauhan, Vipul Yadav, Manish Chaturvedi, Vinay Patil, Rahul Jain and Naresh Bhatnagar
		216	<i>Mechanical Properties of Diamond Wire Sawn Photovoltaic Silicon Wafers</i>	Arkadeep Kumar, R.G.R. Prasath, Kevin Skenes, Chris Yang, Shreyes N. Melkote and Steven Danyluk
		273	<i>Effect of aspect ratio on compressive properties of Kevlar-High Impact Polypropylene composite at high strain rate loading</i>	Hemant Chouhan
		295	<i>Effect of Specific Surface Area on the Shear Rheology of Fumed Silica Dispersions</i>	Neelanchali Asija, Hemant Chouhan and Naresh Bhatnagar
		Chairs (Prof. Prashant Pawar and Prof. Ajay Sidpara)		
Hall 4	Dynamics	8	<i>Undamped Forced Vibration Analysis of a Micro End Mill Cutter by Mode Superposition Method</i>	Rajesh Babu Kadirikota and G.L. Samuel
		28	<i>Tool Condition Monitoring by using Wavelet Transform</i>	Sarvesh K. Mishra, Dr. U. Srinivas Rao and Dr. Sandeep Kumar
		108	<i>Parametric Study on Free vibration of Inconel 718-Stainless Steel 316L functionally graded Turbo machinery Blade</i>	Apurba Das, Amit Karmakar and Subhrajyoti Sarkar
		119	<i>Experimental Study on Dynamic Behavior of Thin walled Composite Beam</i>	Pradip Haridas, Dr. Prashant Pawar and Dr. Babruvahan Ronge
		266	<i>Numerical investigation of Structural Variation on Thermo-mechanical Stress in Copper Filled Through-silicon Vias</i>	Mahesh Patil and Pradeep Dixit
		279	<i>Dynamic Properties of Waste Tyre Rubber Composites</i>	Jitendra Bhaskar, Vipin Chaurasia, Shalendra Singhal and Bishakh Bhattacharya

Saturday, 12 December 2015

Time	Venue	Theme	Paper ID	Title	Author	
03:45-06:00	Auditorium	Chairs (Prof. Kairali Patra and Prof. Gaurav Bartarya)				
			Invited Talk Prof Ramkumar, IIT Kanpur <i>Micromanufacturing</i>			
		33	<i>Experimental Investigation on the Effects of Process Variables in Micro-End Milling of Ti-6Al-4V Titanium Alloy</i>			Tej Pratap and Karali Patra
		47	<i>Estimation of Burr Formation on Ti-6Al-4V in High Speed Micro End Milling by Experimental Investigation and ANFIS Methodology</i>			Chakradhar Bandapalli, Sutaria Bharatkumar and Dhananjay Vishnuprasad Bhatt
		50	<i>Size Effect in Micro-drilling of Austenitic Stainless Steel (X5CrNi18-10)</i>			Ravi Anand, Karali Patra, Markus Steiner and Dirk Biermann
		76	<i>Modeling Dynamic Stability in High-speed Micromilling via Segmented Velocity-chip load dependent Cutting Coefficients</i>			Kundan K. Singh, V. Kartik and Ramesh Singh
		170	<i>Challenges in Machining High Strength Materials: A Case Study on Intelligent Machining and Alternative Path Planning</i>			Abram Pleta, Farbod Akhavan Niaki and Laine Mears
		163	<i>Experimental Investigation and Optimization of Micro-drilling Process for Titanium alloy using Multiobjective technique.</i>			Saurabh Kamble and Sagar Sapka
	230	<i>Modeling and Experimental Investigation of Cutting Forces During Micro End Milling on Titanium Alloy</i>			Vipindas K, Anand Krishnan N, Jayakumar K and Jose Mathew	
		Chairs (Prof. B. Bhattacharyya and Prof. B. Doloi)				
		Hall 1	ECM/ECDM Process II	57	<i>Pulse Parameter Effects on Machining Accuracy and Surface Quality of Microgrooves Machined by Electrochemical Micromachining (EMM)</i>	V. Rathod, B. Doloi and B. Bhattacharyya
	75			<i>MICROSURFACE TEXTUREING ON STAINLESS STEEL USING ELECTROCHEMICAL MICROMACHINING</i>	Sandip Kunar and Bijoy Bhattacharyya	
	89			<i>An Experimental Investigation on the Effect of Electrolyte Temperature on Material Removal Rate in Grinding Assisted Electrochemical Discharge Drilling (G-ECDD)</i>	Fenu O Kuttan, Ladeesh Vg and Manu R	
	91			<i>Investigations on Reduction in Edge-Chipping During Grinding Assisted Electrochemical Discharge Drilling (G-ECDD): Finite Element Analysis and Experimental Validation</i>	Ladeesh V G and Manu R	
	101			<i>DEVELOPMENT OF WIRE ELECTROCHEMICAL MACHINING SETUP FOR FABRICATION OF MICRO FEATURES</i>	Subhrajit Debnath and Bijoy Bhattacharyya	
	145			<i>Synthesis and characterization of Copper nanoparticles by electrochemical discharge process</i>	Purushottam Singh, Pankaj Kumar, Manowar Hussain, Alok Das, Harish Bishwakarma and Nirmal Singh	
	166			<i>Optimization of process parameters of advance manufacturing process using TLBO approach</i>	Anil Kumar and Pragya Shandilya	
	237			<i>Modeling and Optimization of Electrochemical Discharge Micro-Machining Process by Genetic Algorithm</i>	Bijan Mallick, Biplab Ranjan Sarkar, Biswanath Doloi and Bijoy Bhattacharyya	
	243			<i>Investigation on Micro Electro Chemical Discharge Machining used to produce Micro Holes on Borosilicate Glass</i>	Bindu Madhavi J and Somashekhar S. Hiremath	
		Chairs (Prof. Wenyi Yan and James Jacob)				
		Hall 2	Laser Processing II	86	<i>Thermal Modelling of Powder Deposition in Powder Injection Based Laser Cladding for Die Repair</i>	Santanu Paul, Ramesh Singh and Wenyi Yan
	129			<i>Effect of welding parameters on the mechanical properties of laser welded Ti-6Al-4V alloy</i>	Chandan Kumar, Manas Das, P Bhargava, C H Premsingh and C P Paul	
	132			<i>Finite element method based numerical simulation of laser beam welded titanium alloy (Ti-6Al-4V)</i>	Chandan Kumar, Manas Das, P Bhargava and Paul C P	
	150			<i>Fiber laser welding of thin sheet of Ti-6Al-4V and its characterization</i>	Manowar Hussain, Mohammad Shahid Raza, Pankaj Kumar, Vikash Kumar, Dr Alok Kumar Das and Gulshad Nawaz Ahmad	
	189			<i>Micro-dimple formation on chromium films using different wavelengths of nanosecond pulsed Nd3+: YAG laser</i>	Ezhilmaran Ezhilmaran, Vijayaraghavan L, N J Vasa, Ganesan S and N K Cherian	
198	<i>Comparative Study of Weld Quality of Robotic Control Nd:YAG Laser Welding on AISI 304 and AISI 316 Stainless Steel</i>			Nikhil Kumar, Priyabrata Sahoo and Asish Bandyopadhyay		
199	<i>Development of gas-assisted excimer laser based polymer resist removal process</i>			James Jacob, P Shanmugavelu, R. Balasubramaniam and Ramesh .Singh		
248	<i>OPTIMIZATION OF PROCESS PARAMETERS ON LASER ENGRAVING USING Nd:YVO4 LASER PROCESS USING RSM</i>			Bappaditya Sing, Nikhil Kumar, Asish Bandyopadhyay and Bidyut Kumar Bhattacharyya		
270	<i>Generation of micro-scale pattern on drill bit and its effect on the machining of Titanium alloys</i>			Dr. Samuel GI and Niketh S		

10:40-1:05

		Chairs (Dr. R. Balasubramaniam and Prof. Manas Das)		
Hall 3	Polishing & Finishing Process II	92	<i>An Improved Model for Specific Energy Estimation in Surface Grinding of Inconel 718</i>	Manoj Kumar Sinha, Pankaj Kumar, Sudarsan Ghosh and P. V. Rao
		97	<i>Effects of Minimum Quantity Lubrication (MQL) on Forces and Surface Roughness in Inconel 718 Grinding</i>	Manoj Kumar Sinha, Rajeshkumar Madarkar, Sudarsan Ghosh and P. V. Rao
		114	<i>Estimating the effects of grinding parameters on surface roughness and MRR of cylindrical grinding of glass fibre reinforced epoxy composite by RSM coupled with grey relational analysis</i>	Ramesh Rudrapati, Parijat Roy and Asish Bandyopadhyay
		127	<i>A Novel Plasma Assisted Atomistic Surface Finishing on Free Form Surfaces of Fused Silica</i>	D.Sam Dayala Dev, Enni Krishna and Manas Das
		130	<i>Effect of Photochemical on Surface Finish of Inconel 718</i>	Nitin Misal and Mudigonda Sadaiah
		190	<i>Graded Ice Bonded Abrasive Polishing Tool for Ultrafine Finishing of Advanced Ceramics</i>	Sarimalla Rambabu and Nimmagadda Ramesh Babu
		244	<i>Assessment of Surface Topography in Electro-phoretic Deposition Assisted Polishing of Internal Bore of AISI 304 Steel</i>	Shraddha Rangari, Madhuri Choudhari, Mahesh Chavan, Raju Pawade and Vilas Shinde
		312	<i>AN EXPERIMENTAL INVESTIGATION ON MICROPOLISHING OF METAL MATRIX COMPOSITE USING ELASTIC EMISSION MACHINING PROCESS</i>	Alakesh Manna, Sumit Singh and Himanshu Purswani
		321	<i>Effect of Grain Size in Surface finishing of Diamond Turning</i>	Ganesan G, Venkatraman B, Hariharan P and Ramagopal S V
		Chairs (Prof. Hiremath and Mr. Amber Srivastava)		
Hall 4	Non Conventioical Process	22	<i>Nano-finishing of freeform/sculptured surfaces: A review</i>	Leeladhar Nagdeve, V. K. Jain and J. Ramkumar
		25	<i>Fabrication of nanoparticles and micro clusters of nanoparticles by thermal dewetting and Focussed Ion Beam machining</i>	Arjyajyoti Goswami, Aravindan Sivanandam and P V Rao
		96	<i>Development of PDMS/silica nano composites for abrasive flow finishing applications</i>	Kavithaa Subramanian
		113	<i>Experimental Investigation and Optimization of Process Parameters for Material Removal Rate on Abrasive Water Jet Cutting of Laminated Glass by using Taguchi Methodology</i>	Sakshi Gupta, Vijay Pal and R.S Jadoun
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