

COPEN 2015 - Poster Presentation Schedule

Thursday, 10 December 2015 (VMCC Foyer)

6:10PM - 6:30PM

Paper ID	Title	Author
19	<i>Comparison of Machining Performances in Wire EDM of Al2024 based Hybrid MMC using MRA, GMDH and ANN</i>	Ugrasen G, Ravindra H V, Naveen Prakash G V and Keshavamurthy R
26	<i>Study & analysis of various marble cutters used in stone and marble Industry of Rajasthan</i>	Bhargav Prajwal, Rohit Khandelwal, Sandeep Soni, Manish Mittal, Ankit Bansal and Harlal Singh
36	<i>Experimental Investigations on High Speed Machining of SG700/2 Iron using PVD coated Inserts</i>	Prasath V, Dr. Krishnaraj V and Dr. Kanchana J
81	<i>Some metallurgical studies of chips in Inconel 718 machining</i>	Bikash Chandra Behera, Sudarsan Ghosh and P.V. Rao
102	<i>Optimization of Cutting Parameters in Drilling of CFRE Composite Material using Taguchi's Technique</i>	Umeshgowda B.M., Ravindra H.V., Ugrasen G and Sachin S.R
111	<i>Investigation on Micro-Abrasive Jet Machining (Micro-AJM) used to Produce Micro Holes on Brittle Material</i>	Kumar Abhishek and Somashekhar S Hiremath
131	<i>A Review on 3D Photochemical Machining</i>	Nitin Misal and Mudigonda Sadaiah
139	<i>STATISTICAL MODELLING OF WEDM CONSIDERING WIRE RELATED PARAMETERS</i>	Susheel Dhale, Mahesh Kulkarni and Nikhil Rekane
140	<i>Optimization of Machining Parameters in WEDM of Al-Si3N4 Metal Matrix Composite Material using Taguchi Technique</i>	Gurupavan H R, Devegowda T M, Monisha P and Ravindra H V
157	<i>Analysis of Different Primitives finished by Extrusion Honing process pre-machined by EDM for Inconel 625</i>	N L Murali Krishna and H P Raju
167	<i>Comparison of Geometrical Errors in Near Dry EDM with Conventional EDM while Drilling Micro Holes with High Aspect Ratio on FN-42</i>	Shrikant Lathkar, Rajiv B, Dr B B Ahuja and Dr S.K. Basu
186	<i>Effect of silicon powder suspended dielectric on the EDM characteristics of Inconel 625</i>	Gangadharudu Talla, Soumya Gangopadhyay and Nishanth Kukkadapu
200	<i>METAL RAPID PROTOTYPING: PRESENT AND FUTURE</i>	Pravin Thakare and Dr.Madhuri Karnik
215	<i>Rheological Investigation and Comparative Study on Synthesized Low Cost Consumables for Abrasive Flow Machining Processes</i>	Jai Kishan Sambharia, Harlal Mali and Jasa Ram
231	<i>Effect of Thrust Force, Vibration and Temperature on Drilling of Aluminium Alloy With Silicon Nitride Reinforcement</i>	Chethana K.Y, Dr. Rammohan Y.S., Ravindra H.V, Keshava Murthy, Srinivasa M R and Ugrasen G
290	<i>Analysis of Delamination Factor in Drilling using Taguchi and Regression method</i>	Vipin Pahuja, Chanerashkhar S. Jawalkar and Suman Kant
294	<i>ELECTROCHEMICAL DISCHARGE MACHINING - A FUTURE PROSPECT</i>	Mr. Ankit Oza, Dr. Abhishek Kumar and Mr. Satisha Prabhu
301	<i>The effect of Magnetic Field Assisted electro discharge machining process: An overview</i>	Pravin Pawar, Dr. Raj Ballav and Dr. Amaresh Kuma
323	<i>Multi-response optimization of Wire Electrical Discharge Machining Process during machining of D3 die steel using Principal Component Analysis based Grey Relational Analysis</i>	Sabita Chettri, Ishwer Shivakoti and Bal Bahadur Pradhan
324	<i>Modeling of Electrical Discharge Machining Process during Machining of Die Cutting Steel Using Response Surface Methodology</i>	Ranjan Ghadai and Ishwer Sivakoti
330	<i>Effect of prior micro-blasting of tool substrate on different properties and cutting performance of AlTiN coating</i>	Arun Jacob and Dr. Soumya Gangopadhyay
331	<i>Optimization of Influential Process Parameters of Abrasive Waterjet Cutting of Glass</i>	Debasish Ghosh, Tamal Ghosh, B Doloi and Probal Das
332	<i>Optimization of Toolpath Step-Over Distance for Multi-Axis Machining</i>	Harshil Shah, Taha Khot and Asim Tewari

Friday, 11 December 2015 (VMCC Foyer)

11:00AM - 11:30AM

Paper ID	Title	Author
9	<i>Optimization of Multi-performance Characteristics (weld bead width and bead hardness) in Submerged Arc Welding</i>	Abhijit Saha and Subhas Chandra Mondal
10	<i>Optimization of Surface Roughness in CNC Turning operation using Particle Swarm Optimization Technique</i>	Prosun Mandal and Subhas Chandra Mondal
24	<i>On the Influence of Cutting Forces in Precision Turning of Co-Cr-Mo Bio-implant Alloy</i>	Ketan A. Jagtap and Raju S. Pawade
64	<i>Automation of Car Door Assembly Inspection and Surface Measurement Using Laser Displacement Sensor</i>	Karthikeyan K and Samuel GI
72	<i>Investigation and optimization of process parameters on Micro-EDM drilling of Inconel 600 alloy</i>	Raju Bhosle and Sunil Sharma
73	<i>Acoustic emission assisted Monitoring and Optimization of cutting Parameters in turning of nickel base super alloy</i>	Y D Chethan, H V Ravindra, Y T Krishne Gowda and Thejesh Gowda
82	EXPERIMENTAL INVESTIGATION ON MICRO-EDM CHARACTERISTICS DURING MACHINING OF ALUMINIUM EMPLOYING VIBRATION	Koushik Mishra, Biplab Sarkar, Sandeep Sharma, Bijoy Bhattacharyya, Biswanath Doloi and Premanashu Mukhopadhyay
83	<i>Comparative evaluation on Machinability Aspects of Inconel 825 using TiN/TiAlN and Al₂O₃/TiCN coated tool</i>	Mahendra Singh, Aruna Thakur and Soumya Gangopadhyay
93	<i>Some Studies on Diamond Turning of Aluminum Alloy 6061-T651</i>	Ganesh Dhurde, P.K. Brahmankar, Raju Pawade and R. Balasubramaniam
103	<i>Weld strength modeling in ultrasonic welded parts of Al-Cu using Adaptive Neuro Fuzzy Inference system</i>	Himanshu Patel, Harshit Dave and Vishal Mathai
136	EFFECT OF VARIABLE MAGNETIC FIELD INTENSITIES ON DRILLING MICRO HOLES USING ELECTRIC DISCHARGE DRILLING	Karthic Kumar P.S, Keerthikeyan D, Seetharamkumar A, Vidhya M, Hariharan P and Deepak J
152	<i>A Review on Heat Transfer through Micro Channel</i>	Dattatraya Ghodake and Rakesh Siddhesh
153	<i>Design, Fabrication & Numerical Analysis of Micro-Channel with Different Surface Features</i>	Anil Shinde, Sunil Gaikwad, Prashant Pawar, Babruvahan Ronge and Pravin Kachare
158	<i>Design, Fabrication and numerical analysis of pin fin geometry on thermal performance of a micro channel copper heat sink</i>	Subhash Jadhav, Prashant Pawar and Babruvahan Ronge
165	<i>Application of Taguchi Approach to Optimize the Control Parameters of the Dual Turning Process</i>	Sunil Kumar, Ravindra Yadav and Monika Saini
178	<i>Taguchi multi-objective optimization for μ- EDM process for improving hole quality</i>	Santosh Tamang, N. Natarajan, Muthumari Chandrasekaran and R. Thirumalai
196	<i>Experimental optimization of Micro EDM drilling process parameters on AISI304 stainless steel using TOPSIS approach</i>	R Manivannan and M Pradeep Kumar
217	<i>Analysis on Performance of Micro-EDM Drilled Holes in Inconel-718 using Different Electrode Materials</i>	Deepak Rajendra Unune and Harlal Singh Mali
229	<i>Characterization of Chip Geometry and Surface Roughness During Micro End Milling on Ti-6Al-4V</i>	Vipindas K, Anchana P, Anand Krishnan N and Jose Mathew
238	<i>Electro-Thermal Modeling of Temperature Distribution in Tool Electrode During Micro EDM</i>	Subrahmanyam Adabala, Nithinraj M, Deepak G Dilip and Jose Mathew
251	<i>Analysis of tool wear behaviour of multi-layered coated carbide inserts in hard turning process using different sensors</i>	Amarjit Kene, Sounak Choudhury and Kashfull Orra
254	<i>Comparative Machinability Assessment in Turning of Austempered Ductile Iron using MQL and Flood Environment</i>	Sagar Sakharkar, Raju Pawade and Prakash Brahmankar
269	WORK BREAKDOWN STRUCTURE PLANNING FOR DESIGN OF ALL TERRAIN VEHICLE	Ajay Kumar Gangrade, Somnath Rajanga, Sagar Shah and Varadarajan Narayanan
280	<i>A comparative study on hole quality assessment of conventional drilling, peck drilling and helical milling of Ti6Al4V-CFRP stacks</i>	Yogesh S. Gaikhe, Omanath A. Pawar, Asim Tewari and Suhas S. Joshi

Friday, 11 December 2015 (VMCC Foyer)

6:05PM - 6:30PM

Paper ID	Title	Author
7	<i>Prediction of mechanical properties of chopped E-Glass fiber reinforced epoxy composites</i>	Nitinchand Patil and Krishna Prasad
12	<i>Redesign of Valve Drawings by incorporating GD&T for Proper Assembly</i>	Saurin Sheth, P.M. George and Bhavesh Mistry
30	<i>A Static, Dynamic and Modal Analysis of Micromilling Table</i>	Rahul Honkalas and Bhagyesh Deshmukh
60	<i>Some Studies to Optimize and Improve the Robotic Roller Hemming Process</i>	Kiran More, Raju Pawade and Nilesh Nikam
65	<i>An Investigation of cone angle during roller forming process</i>	Shakil Kagzi and Harit Raval
94	<i>Some Studies on the quality of feature generated on GFRP by CO2 Laser Cutting</i>	Shilpesh Rajpurohit and Harshit K Dave
99	<i>Effect of process parameters on surface roughness and part quality during wire electric discharge grinding of single point carbide tools</i>	Vijayan Krishnaraj, M Parthipan and R Sindhumathi
106	<i>A Simplified Way of Specifying the Deviation of 3D Reference Axes</i>	T S R Murthy and T Shravan Kumar
160	<i>Experimental investigation on single grit grinding of Aluminum based metal matrix composites</i>	Sayyid Mahmood Thangal K. V., Eby David and R Manu
182	<i>Effect of Annealing on Mechanical Properties of PLA/PCL Blends Tubes</i>	Pooja Bhati and Prof. Naresh Bhatnagar
220	<i>Powder Mixed Electro Discharge Diamond Grinding of AISI D3 Die Steel for High Material Removal Rate and Surface Quality</i>	Harlal Singh Mali, Deepak Unaune and Vijay Pratap Singh
227	<i>Deformation Behavior of Fine Grain Structure for Al alloy Prepared by Cryorolling</i>	Jigar Paghadal and Kandarp Changela
240	<i>Determination of three dimensional surface roughness parameters using a two dimensional profilometer</i>	Deepak Ramtirthe, Dr. Dhanish P.B. and Sudarshan Gajre
267	<i>PARAMETER OPTIMIZATION FOR THE TENSILE BEHAVIOR OF THERMOPLASTIC COMPOSITE - A TAGUCHI APPROACH</i>	Suresh S and Senthil Kumar V.S
272	<i>Numerical analysis of Cu-Sn-Cu Inter diffusion bonding for hermetic encapsulation of MEMS sensors</i>	Anirudh Shankar and Pradeep Dixit
282	<i>Performance Analysis and Evaluation of roundness by PSO algorithm</i>	Murugarajan A
289	<i>Expert System for Designing of Compound Die for Washers Manufacturing</i>	Ronak Soni and Piyushkumar Tailor
292	<i>Selective modification of surface profile using elastic abrasives</i>	Dr. Sooraj V S V .S. and Prof. Radhakrishnan V
296	<i>Evaluation of Fundamental Mechanical Properties of Single Walled Carbon Nanotubes using Molecular Dynamics Simulations</i>	Vinay Singh and Vivek Kumar Srivastava
305	<i>The evolution of nano engineering in the health care industry</i>	Mihika Shivkumar and Mallika Parveen
306	<i>Development of CNC program to optimise parameters, tools & process to machine inside lengthy 210 mm & 1 or 2 mm diametrical bigger size groove</i>	Milan Dharsenda and Akash Pandey
315	<i>Modeling of Human Humerus Bone for 3D Printing</i>	Rajashekhar Siliveru and Shivraj Yeole.
333	<i>The Effect of Lead and Tilt angles on the Surface Topography and Cutting Forces of Ti6Al4V Alloy for Ball-End Milling</i>	Rahul Reddi, Harshil Shah and Ganesh Munge