

ITME-2019

Schedule of Paper Presentation

Technical Session I		Track - 3 : Machining	
Day-01 (Friday)		Date- 18 October,2019	
Time- 1:45 pm-3:30 pm		Venue- TBI Conference Hall	
Address by Session Chair-Dr. Arun Kumar Pandey (BIET, Jhansi)			
Paper ID	Paper Title	Presented by	Affiliation
15	Effect of Different Tool Geometry During EDM of Hybrid Composite	Paridhi Malhotra	Amity university, Noida, Uttar Pradesh
43	Experimental Investigation Of Machining Parameters On MRR Of Biomaterial Stainless Steel 316L By EDM.	Preeti Chauhan	College of Technology & Engineering, Udaipur, Rajasthan
64	Effect of Iron content and machining parameters on surface quality of Al-1V-1Si alloys	Bibeka Nand Pathak	IMSEC, Ghaziabad, Uttar Pradesh
73	Cryogenic turning characteristic optimization using Grey Relational Analysis (GRA) in super Duplex Stainless Steel (A479)	Akhil K.T.	Amrita School Of Engineering, Coimbatore, Tamil Nadu
80	Experimental studies on machining of SiC under different assisted electrode conditions using WEDM	Md Nadeem Alam	Jamia Millia Islamia, Delhi
81	Optimization of Drilling Parameters of Glass Fiber Reinforced Polymers Using Grey Relational Analysis	Akhil K.T.	HMT Machine Tools, Kalamassery, Kerala
87	Parametric Optimization in the Laser Cutting of Titanium Alloy Sheet (Grade-II)	Tarun Singh	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
107	Microstructural and wear characteristics of Fe-Based Nanostructured Hardfacing Alloy	Pratibha Kumari	KIET Group of Institutions Ghaziabad , Uttar Pradesh
149	Optimization of End Milling Machining Parameters of SS 304 by Taguchi Technique	Gaurav Kumar	M. M. Deemed to be University, Mullana,Ambala, Haryana
140	Parameters Optimization of CNC Turning Process on Aluminium Alloy AA6262 T6 using Grey Relation Analysis in Taguchi Method.	Rahul Sharma	Sachdeva Institute of Technology, Mathura, Uttar Pradesh

Technical Session -II		Track - 9 : Computational Design	
Day-01 (Friday)		Date-18 October,2019	
Time- 1:45 pm-3:30 pm		Venue- PGDM Conference Hall	
Address by Session Chair-Dr. Faisal Hasan (AMU, Aligarh)			
Paper ID	Paper Title	Presented by	Affiliation
34	Flow Analysis Of Domestic Chimney For Water Boiling Using Finite Element Analysis	Faraz Ahmad	Graphic Era university, Dehradun, Uttarakhand
50	Optimal Controller Design For Altitude Control Of Modern Airship	Huma Khan	Jamia Millia Islamia, Delhi
41	Modal Analysis Of Twin S Shape Coriolis Mass Flow Sensor	Resham Taluja	Graphic Era university, Dehradun, Uttarakhand
42	Study Of The Effect Of Leak Location In Water Pipeline Using CFD	Nagendra Singh Ranawat	College of Technology & Engineering, Udaipur, Rajasthan
59	Optimization Of Hardness Properties Of Magnesium-Based Composites By Using Taguchi Method	Sakshi Singh	Indira Gandhi Delhi Technical University for Women, Delhi
65	Optimization and Characterization of Low Cost MR Fluids	Vivek Sharma	Lovely Professional University, Jalandhar, Punjab
68	A simulation based study for multi-response optimization of FMS performance measures using combined grey relational and principal component analyses	Shafi Ahmad	Jamia Millia Islamia, Delhi
148	Multi Performance Optimization of Parameters in Deep Drilling Process Parameters of SS-321 by Taguchi Based GRA	Gaurav Kumar	Vidya College of Engineering, Meerut, Uttar Pradesh
108	Modeling for Performance Analysis of SEIG under unbalanced condition using Particle Swarm Optimization	Yatender Kumar Chaturvedi	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
14	Group Preventive Maintenance Model for Multi-unit Series System: A TLBO Algorithm Based Approach	Aseem Mishra	ITS Engineering College, Gautam Budh Nagar, Uttar Pradesh

Technical Session - III		Track - 8 : Automobile Engineering	
Day-01 (Friday)		Date-18 October,2019	
Time- 4:00 pm-5:45 pm		Venue- TBI Conference Hall	
Address by Session Chair-Dr. P.K. Kankar (IIT, Indore)			
Paper ID	Paper Title	Presented by	Affiliation
19	Analysis Of Wheel Rim By Using E-Glass Fiber	Pankaj Singh Bisht	CET-IILM-AHL, Greater Noida, Uttar Pradesh
50	Optimal Controller Design For Altitude Control Of Modern Airship	Huma Khan	Jamia Millia Islamia, Delhi
66	Tribological characteristics of the al-7si alloy during the use of juliflora oil as biolubricant	Sharon vaheneiki	Sir Padampat Singhanian University, Udaipur, Rajasthan
67	Friction And Wear Characterization Of Modified Madhuca Indica Based Biolubrricant At Different Loads	Kondapally Sai Vivek	Sir Padampat Singhanian University, Udaipur, Rajasthan
71	Design, Analysis and Fabrication of Semi- Automatic Trash Masher	Sakthi Vigneshwaran	SSN College of Engineering, Chennai, Tamil Nadu
90	Experimental investigation of magnetic braking system using permanent magnets	Kanav Bhatia	Netaji Subhas University of Technology, Delhi
92	Review on Studying Effects of Enhancing Turbulence by modifying the Intake Manifold of Internal Combustion Engine	Shahim Haider Abidi	Jamia Millia Islamia, Delhi
145	Design and optimization of suspension geometry	Mrinal Deep	ABES EC Engineering College Ghaziabad, Uttar Pradesh
56	Dynamic analysis and stability of Turbocharger rotor supported with auxiliary gas foil bearing under exhaust emission conditions	Rajasekhara Reddy Mutra	Vellore Institute of Technology,Vellore,Tamil Nadu
29	Analyses of temperature and thermal stresses of a ceramic-coated diesel engine valve	Subodh Sharma	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
147	PID Design Utilized Controller for DC Engine Employed in Wheeled In Movable Golem	Huma Khan	Jamia Millia Islamia, Delhi

Technical Session -IV		Track - 1 : Mechanical System Design	
Day-01 (Friday)		Date-18 October,2019	
Time- 4:00 pm-5:45 pm		Venue- PGDM Conference Hall	
Address by Session Chair-Dr. N.R. Chauhan (IGDTUW, Delhi)			
Paper ID	Paper Title	Presented by	Affiliation
18	Stability Study Of A Parabolic Tapered Rotating Beam Having Elliptical Cross-Section Subjected To Variable Thermal Gradient And Axial Loading	Rakesh Ranjan Chand	Indian Institute of Technology (BHU) Varanasi, Uttar Pradesh
22	Fabrication And Tribological Behavior Of Copper Plain Bearing Lubricated With Bio-Degradable Oils	Uzma Iqbal	Sher-e-Kashmir University of Agriculture Sciences and Technology, Shalimar,Jammu & Kashmir
51	Two Wheeled Self Balancing Mobile Robot Using Kalman Filter And LQG Regulator	Md. Istiyaque	Jamia Millia Islamia, Delhi
53	Studies on upper LIMB PROSTHESIS: A Review	Aparna Jha	Indira Gandhi Delhi Technical University for Women, Delhi
60	Grey Wolf Optimizer Based PID Controller Design For Laser Beam Pointing Applications	Himanshu Chaudhary	Jamia Millia Islamia, Delhi
70	A comparative analysis of transmission efficiency of polyamide 66 spur gears meshing with similar and dissimilar gear material	Akant Kumar Singh	ITS Engineering College, Gautam Budh Nagar, Uttar Pradesh
114	Dynamic analysis of boring bar for advancement of tool life while lessen the machining time through FEA.	Shweta Sonkar	Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh
131	A review on stress analysis of crane hook	Prajwal Singh	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
142	Investigation of Variation in Stress Concentration Factor with the change in orientation of central hole on a rectangular plate	Manish Pandey	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
E32	Dynamic Analysis of Isotropic Annular Plate with eccentric hole using finite element method	Manoj Narwariya	IPS College of Technology & Management, Gwalior, Madhya Pradesh

Technical Session -V		Track - 6: Thermal Engineering	
Day-02 (Saturday)		Date-19 October,2019	
10: 45 am- 12:30 pm		Venue- TBI Conference Hall	
Address by Session Chair-Dr. H.C. Thakur (GBU, Gr. Noida)			
Paper ID	Paper Title	Presented by	Affiliation
40	Advancement and challenges in latent heat Thermal Energy Storage system	Jayesh Kumar	Delhi Technical University, Delhi
55	Performance Augmentation of Low-Temperature Sub-critical Organic Rankine Cycle using First and Second Law based Analysis	Komal Madan	Indira Gandhi Delhi Technical University for Women, Delhi
61	Energy Saving Analysis For Optimum Insulation Thickness Of Different Insulating Materials	Subhash Mishra	Inderprastha Engineering College, Ghaziabad, Uttar Pradesh
69	Investigational Assessment of Heat Transfer and Pressure Drop In a Circular Tube	Mohan Gupta	GLA University, Mathura, Uttar Pradesh
76	CFD Analysis of Heat Transfer within Finned Flat Tube with Perforations	Sayyed Zaidshah	Dev Bhoomi Group Of Institution, Dehradun, Uttarakhand
121	A comparative analysis of single basin solar still with and without Nanofluids.	Kartikay Kumar	KIET Group of Institutions Ghaziabad ,Uttar Pradesh
109	Thermo-Mechanical Peculiarity of TiC Filler Filled Glass Fiber Based Hybrid Composites	Anant Krishan Pun	Chandigarh University, Punjab
122	Expedited Heat Transfer Rate of Mesoporous Carbon Enhanced PCM	Apurv Yadav	Amity University,Dubai
82	Highly Productive Solar Stills for Efficient Water Utilization in Agriculture	Vineet Kumar Vashishtha	KIET Group of Institutions Ghaziabad , Uttar Pradesh
116	Nanofuels: An advancement in Biodiesel Applications	Maneesh Kumar Shivhare	Delhi Technical University, Delhi
110	Performance Analysis of Hybrid PCM by Doping Graphene	Ravi Kumar Samadhiya	GLA University, Mathura, Uttar Pardesh

Technical Session -VI		Track - 4: Renewable Energy	
Day-02 (Saturday)		Date-19 October,2019	
10: 45 am- 12:30 pm		Venue- PGDM Conference Hall	
Address by Session Chair-Dr. Pushpendra Singh (DTU, Delhi)			
Paper ID	Paper Title	Presented by	Affiliation
44	Global Advancement In Hybrid Solar Drying With Using Thermal Energy Storage System	Narender	Delhi Technical University, Delhi
117	Prediction of Wind Power Curve Based on Wind Speed and Direction using Artificial Neural Network	Vineet Kumar Vashishtha	Delhi Technical University, Delhi
45	Development Of A Building Energy Model Based On State Space Analysis And Determining The Performance Characteristics	V. S. K. V. Harish	Pandit Deendayal Petroleum University, Gandhinagar, Gujrat
6	A Review On Different Performance Enhancement Techniques For Solar Air Heaters	Vishwas Nagrath	Allenhouse Institute of Technology, Kanpur,Uttar Pradesh
98	Experimental Investigation of Evacuated Tube Solar Air Collectors for Drying Application	Santanu Malakar	National Institute of Food Technology Entrepreneurship and Management ,Sonapat,Haryana
99	Appliances Energy Prediction Using Random Forest Classifier	Vinay Vakharia	Pandit Deendayal Petroleum University, Gandhinagar, Gujarat
111	Identify the rational performance and effect of end state temperature of a regenerative-reheat coal based thermal power plant in India	Shailendra Pratap Singh	Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand
136	Assessing the thermal performance of the walls in a building using the Phase change material methodology	Shaheen Hasan	Jamia Millia Islamia, Delhi
120	A review study on solar still: A novel approach on solar distillation	Javed Ahmed	KIET Group of Institutions Ghaziabad , Uttar Pradesh
93	Waste to Energy (WTE) by Incineration: Current and future practices in India	Prateek Verma	KIET Group of Institutions Ghaziabad , Uttar Pradesh
138	Mitigation of Harmonic Current in Grid Connected Solar Power System	Uma Yadav	JC Bose University of Science & Technology, YMCA, Faridabad, Harvana

Technical Session -VII		Track - 5: Industrial Engineering	
Day-02 (Saturday)		Date-19 October,2019	
2:00 PM - 04:00 PM		Venue- TBI Conference Hall	
Address by Session Chair-Dr. Parveen Farooquie (AMU, Aligarh)			
Paper ID	Paper Title	Presented by	Affiliation
8	Ergonomic analysis of dishwashing task and worker fatigue evaluation	Lasin P	National Institute of Technology Calicut, Kerala
9	Influence Of Backpack Load On Energy Expenditure During Walking	Tamizhinian A	National Institute of Technology Calicut, Kerala
11	Low Carbon Supply Chain Management: A Fuzzy-Dematel Analysis Of Some Practical Issues Of Indian Manufacturing Industries	Vivek Gupta	Sant Longowal Institute of Engineering and Technology, sangrur, Punjab
13	Muscular Discomfort In Motorcycle Riding	Mohd Parvez	Aligarh Muslim University, Aligarh, Uttar Pradesh
21	Instrumentation Setup For Measurement Of Biomechanical Variables In Sit To Stand Task	Siddharth Bhardwaj	Aligarh Muslim University, Aligarh, Uttar Pradesh
24	A Neural Network Based Classification For Finger Motion While Grasping Different Sized Cylindrical Objects.	Salman Mohd Khan	Aligarh Muslim University, Aligarh, Uttar Pradesh
141	Role of Performance Measures in the Configuration Selection of Reconfigurable Manufacturing System	Gaurav Kumar	Maharishi Markandeshwar (Deemed to be University), Yamuna Nagar, Haryana
E31	Ergonomic Evaluation of Foundry Operation Using Energy Expenditure Prediction Software	Sohail Akhtar	Jamia Millia Islamia, Delhi
E23	Comparative Investigation of Process capability of surface finish in milling of EN19 steel using VMC	Rupesh Chalisgaonkar	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
106	Assessment of Barriers of Green Supply Chain Management using Structural Equation Modeling	Somesh Agarwal	Dr. B R Ambedkar National Institute of Technology, Jalandhar, Punjab
33	An integrated maintenance management: a practical approach	Mahesh Bhardwaj	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
94	Enablers for Lean six sigma and Agile Implementation: An Interpretive Structural modeling Approach	Abhishesh Mishra	BITS,Pilani,Rajasthan
Technical Session -VIII		Track - 7 : Additive Manufacturing	
Day-02 (Saturday)		Date-19 October,2019	
2:00 PM - 04:00 PM		Venue- PGDM Conference Hall	
Address by Session Chair-Dr. Harish Kumar (NIT Delhi)			
Paper ID	Paper Title	Presented by	Affiliation
28	Condition Monitoring In Additive Manufacturing Using Support Vector Machine	Durgesh Nainwal	Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, Madhya Pradesh
54	Microstructure And Mechanical Properties Of Al-Cu-Mg Alloy Produced By Non-Contact Ultrasonic Casting Route	Sneh Suman	National Institute of Foundry and Forge Technology, Ranchi, Jharkhand
72	Experimental investigation of parameters which affects the leakage flux in Magnetic Particle Testing	Brijesh Kumar	ITS Engineering College, Gautam Budh Nagar, Uttar Pradesh
91	Development of Hybrid Nanocomposites By Stir Casting Technique using Two Step Mixing	Rakesh Kumar Yadav	AKTU Lucknow, Uttar Pradesh
126	Dissimilar Friction Stir Spot Welding of AA2014 and AA7075 Aluminum Alloys	Shubham Jaiswal	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
E19	Geometry optimization of magneto rheological damper based on magnetic saturation	Bhupesh Ojha	ITS Engineering College, Gautam Budh Nagar, Uttar Pradesh
104	Active Suspension system modeling for a passenger car subjected to random road profile inputs	Mohd Avesh	Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh
20	Modeling And Simulation Of A Distillation Column To Separate An Automotive Fuel	Asma Iqbal	Aligarh Muslim University, Aliagarh, Uttar Pradesh
125	Additive Manufacturing in Bio-Medical Applications	Ankita J aysingh Sheoran	National Institute of Technology Delhi
144	Design & Development of Automated Manipulator in TIG Welding	Pushp Kumar Baghel	Noida International University, Greater Noida, Uttar Pardesh
105	Fabrication of the Composites (AA6082-T6/SiC) by Using Friction Stir Processing	Amit Kumar Gupta	ITS Engineering College, Gautam Budh Nagar, Uttar Pradesh
102	A Review of Nano Filler Coating on FRP Composites	Vijay Singh Parihar	KIET Group of Institutions, Ghaziabad, Uttar Pradesh

Technical Session -IX		Track 2 : Materials Engineering	
Day-02 (Saturday)		Date-19 October,2019	
2:00 PM - 04:00 PM		Venue- Auditorium	
Address by Session Chair-Dr. Siddhartha (NIT Hamirpur)			
Paper ID	Paper Title	Presented by	Affiliation
112	Microstructural Evolution and enhanced mechanical properties of atomization cast Al-40% Si alloys	Krishna Vijay Ojha	KIET Group of Institutions Ghaziabad Uttar Pradesh
12	Air Jet Erosion Behaviour Of AA 6082 T6 Aluminum Alloy	Vinod Kumar	National Institute of Technology, Hamirpur, Himachal Pradesh
30	Study On Optoelectronic Properties Of Slurry Coated Binary Cadmium Chalcogenide Films	Vipin Kumar	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
38	Synthesis And Flexural Behaviour Of Silica Coated Abow Reinforced Aluminum Matrix Composites For Structural Application	Neeraj Pandey	Indian Institute of Technology (BHU) Varanasi, Uttar Pradesh
85	Dimensional Stability Analysis of Teak Sawdust and Polypropylene Composite	Anil Kumar Yadav	Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh
101	Review of Effect of Nano Fillers on FRP Composites	Tanmay Bansal	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
137	Structural analysis of spur gear with composite material	Roshni Khanna	Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh
E17	Evaluation of mechanical properties & tribological behaviour of self-lubricating aluminium matrix hybrid composites	Hemant Nautiyal	Indian Institute of Technology (BHU) Varanasi, Uttar Pradesh
97	Experimental investigation and analysis of stainless steel 316l by salt spray test method for corrosion behaviour	Mohd Dawood	Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh
E33	Effect of low weight fraction of nano reinforcement on tensile properties of polymer nanocomposites	Deepak Soni	IPS College of Technology and Management, Gwalior, Madhya Pradesh
135	Exploration on Wear characteristics: Performance of Gears of Polyamide66	Yogesh Kumar Yadav	National Institute of Technology, Hamirpur, Himachal Pradesh
146	Perspective on Effect of Metallic Fillers on Electrical Conductivity of FRP Composites	Aditya Pratap Singh	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
119	A review on different types of Hybrid Fiber Reinforced Composite	Ranjeet Kumar	KIET Group of Institutions, Ghaziabad, Uttar Pradesh
143	Recognition of mechanical tools using artificial neural network	Pradeep Jain	NIT Kurukshetra, Haryana