

S. V. National Institute of Technology, Surat
International Conference on "Recent Advances in Manufacturing" (RAM-2020)
03rd – 05th July, 2020

RAM-2020 SCHEDULE

Time	Friday, July 03 rd , 2020	Saturday, July 04 th , 2020	Sunday, July 05 th , 2020
10:30-11:00	Opening Ceremony		Closing Ceremony
11:00-12:30	Keynote Sessions	Keynote Sessions	
13:00-15:00	Oral Presentations Sessions: A1 B1 C1	Oral Presentations Sessions: A3 B3 C3	
15:30-17:30	Oral Presentations Sessions: A2 B2 C2	Oral Presentations Sessions: A4 B4 C4	

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KEYNOTE SESSIONS

Date	Time	Speaker	Title
July 03 rd , 2020	11.00 – 11.30	Dr. K. Hariharan Indian Institute of Technology Madras, India	Stress Relaxation Study of Ultrafine-Grained AA 6061 Alloy Processed through Combined Constrained Groove Pressing and Cold Rolling
July 03 rd , 2020	11.30 – 12.00	Dr. Dumitru Nedelcu Gheorghe Asachi Technical University of Iasi, Romania	Influence of layer thickness, infill rate and orientation on thermal and structural loading of FDM parts
July 03 rd , 2020	12.00 – 12.30	Dr. Hussein Mohamed Helwan University, Cairo, Egypt	Automatic Feature Recognition (AFR) of The Inclined Cross- Hole in Hollow Cylinders
July 04 th , 2020	11.00 – 11.30	Dr. Promod Kumar Patowari National Institute of Technology Silchar, India	Proficiency of electrical discharge machining in fabrication of microstructures
July 04 th , 2020	11.30 – 12.00	Dr. Panagiotis Kyratsis University of Western Macedonia, Greece	Computational design and digital fabrication

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Session	Paper ID	Submission ID	Paper Title	Registered Author
A1	A1_1	RAM2020_Track1_078	Effect of Process Parameters on Tensile Strength in FSW of Aluminium and Stainless Steel	Niraj Kumar
	A1_2	RAM2020_Track1_106	Review on Friction Stir Welding of Polymer to Aluminium Alloys: Process and Properties	Rutvik Ghiya
	A1_3	RAM2020_Track1_091	Review on Advance Welding Processes for Joining Polymer to Metal.	Kairav Parmar
	A1_4	RAM2020_Track1_081	Autogenous TIG Welding of Al-5083-H111 Butt Joint	Keyurkumar Tandel
	A2_5	RAM2020_Track1_129	Experimental Investigation and Effects of Process Parameters on Forming Time and Forming Accuracy in Incremental Sheet Forming	Shalin Marathe
A2	A2_6	RAM2020_Track1_115	Experimental investigation on tensile properties of Nylon glass fibre material made using Fused Deposition Modeling process	Mohit R. Chandravadia
	A2_7	RAM2020_Track1_095	Study of friction stir welding on aerospace grade ZE41AMG alloy and its comparison with laser beam welding on ZE41AMG alloy	Adithyan Annamalai
	A2_8	RAM2020_Track1_080	Grey relational multi decision analysis of SS304 bead characteristics processed in wire arc deposition process for additive manufacturing	D. T. Sarathchandra
	A2_9	RAM2020_Track1_104	Experimental Investigation on Influence of Process Parameters on Mechanical Properties of PETG Parts Made by Fused Deposition Modelling	Soham Teraiya
	A2_10	RAM2020_Track1_127	Influence of fiber orientation and number of layer on tensile and flexural strength of carbon fiber reinforced composites fabricated by VARTM process	Himanshu V. Patel

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Session	Paper ID	Submission ID	Paper Title	Registered Author
A3	A3_11	RAM2020_Track1_116	Review on banana fibre reinforced composites	Chetan Prakash Chaudhari
	A3_12	RAM2020_Track1_111	Utilization of Stone Industry Waste as filler for Sustainable Development of Aluminium Alloy Composites: An Thermo-Mechanical and Mechanical Characterizations	Vikash Gautam
	A3_13	RAM2020_Track1_064	Experimental Evaluation of Mechanical Properties of Epoxy Based Composite Material Using Taguchi Method	Sachin Salunkhe
	A3_14	RAM2020_Track1_083	Experimental and Simulation study on Permeability of Hybrid composite	Prasanth kumar kottapalli
	A3_15	RAM2020_Track1_094	Performance Improvement of OEM Brake Caliper by Manufacturing with Design Changes	Mauli Mirajkar
A4	A4_16	RAM2020_Track1_118	Development of Novel Abrasive Media Using Granite Dust Powder Waste for Finishing Applications	Ankit Soni
	A4_17	RAM2020_Track1_068	An Experimental Study of Influence of Gradient Parameters on Compressive Strength, Stiffness, and Specific Energy Absorption (SEA) of Auxetic Structures Fabricated by FDM	Swapnil Vyavahare
	A4_18	RAM2020_Track2_015	Enhancement of electric hybrid vehicle	Dhyey Rajeshkumar Savaliya
	A4_19	RAM2020_Track1_056	Mechanical and Wear Characterization of Epoxy Resin Based Functionally Graded Material for Sustainable Utilization of Stone Industry Waste	Aakash sharma

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B1	B1_1	RAM2020_Track1_103	Effect of Process Parameters on Etch Depth of Aluminium Material in Photo Chemical Machining	Abhay A Utpat
	B1_2	RAM2020_Track1_024	Analysis of TIG Welded Aluminum Alloys during Single Point Incremental Forming at Different Wall Angles	Amrut Mulay
	B1_3	RAM2020_Track1_018	Quartz Micro-Machining Using Wire-Electrochemical Spark Machining Process	Ankit D Oza
	B1_4	RAM2020_Track1_102	Optimizing the Defocused CO2 Laser Microchanneling Process Using Grey Relational Analysis	Shashi Prakash
	B1_5	RAM2020_Track1_073	Selection of multi-point diamond dresser for grinding process using Grey Relation Analysis	Viraj Pansare
B2	B2_6	RAM2020_Track1_079	Extraction of Phenolic Compounds from the Waste of Borassus flabeliffer: A Step towards Waste Valorization	Meghal A Desai
	B2_7	RAM2020_Track1_123	Parametric study of Non-axisymmetric stretch flanging process on AA-6061-T6 sheet	Killi Sai Dhruthi
	B2_8	RAM2020_Track1_098	A Comparative Study of Electro Discharge Drilling Process using Solid and Tubular Electrodes	Sudhanshu Kumar
	B2_9	RAM2020_Track1_109	Effect of Friction Stir Welding Process Parameters on Tensile Strength and Forming Height of Tailor Welded Blanks	Shalin Marathe

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B3	B3_10	RAM2020_Track1_092	Influence of Inter-lamellar Spacing of Pearlite Phase on Spheroidized Annealed Structure	Bhavesh R Rana Patha S Sarkar Pinkal D Mistry
	B3_11	RAM2020_Track1_096	FEM Based Thermal Modelling for Analyzing ECDM Process	Manoj Kumar
	B3_12	RAM2020_Track1_067	Impact and Flexural Testing Of Jute and Flax Fiber Reinforced Composites Fabricated By VARTM Process	Chandresh Kumbhani
	B3_13	RAM2020_Track1_119	Experimental Study of Effect of Machining Parameters on PMMA in Diamond Turning	Raju Pawade, Kuldeep A Mahajan
	B3_14	RAM2020_Track1_130	Analysis of compressive strength of 3D printed PLA part	Ashish R Prajapati
B4	B4_15	RAM2020_Track1_003	Effect of Operating Parameters on Forces during Backward Flow Forming Process for AA6061	Ravi Bhatt
	B4_16	RAM2020_Track1_128	Mechanical behavior and In situ process monitoring by Acoustic Emission sensor during Ultrasonic Metal Welding	Himanshu V Patel
	B4_17	RAM2020_Track2_035	Use of Sustainable Practices in Cement Production Industry: A Case Study	B D Bachchhav
	B4_18	RAM2020_Track1_048	A brief review on Formability, Wall Thickness Distribution and Surface Roughness of formed part in Incremental Sheet Forming	Kiran R More

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C1	C1_1	RAM2020_Track1_100	Optimization of wedm process parameters for aluminum metal matrix material AL+SiC using mcdm methods	Jaksan D Patel
	C1_2	RAM2020_Track2_034	Development of integrated versatile paper, plastic and aluminum waste sorting and disposal system	Sharada Atul Gavade, Soham Jayant Kulkarni, Shivani Mohite
	C1_3	RAM2020_Track1_107	Optimization of process variables in plasma arc machining of inconel 718 alloy using taguchi with grey relational analysis	Khushboo Sharma
	C1_4	RAM2020_Track1_077	Application of Neural Network to Predict Printability of Polycaprolactone using FDM	Rahul Narkhede
	C1_5	RAM2020_Track1_042	Designing and analyzing the different parameters of pulp removal machine	Hans Wilson C
C2	C2_6	RAM2020_Track2_037	Evaluation of metal foam of Al6061+MgO using PM route	Rahul Rathod
	C2_7	RAM2020_Track2_029	Fabrication and Analysis of Apparatus for Measuring Stored Renewable Hydrogen Energy in Metal Hydrides	Rohan Ravishankar Kalamkar
	C2_8	RAM2020_Track1_114	Investigation of wind loads on utility scale seasonal tilt solar PV power plants	Syed Abdul Mateen
	C2_9	RAM2020_Track1_087	ANFIS based prediction model for tool wear criteria during orbital electrical discharge machining of Ti6Al4V	Sagathiya Naisarg

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C3	C3_10	RAM2020_Track2_011	Analysis, Modeling and Experimental Study of Stretching Stress in the Design of Pressure Sensor	Shrinkhla Ghildiyal
	C3_11	RAM2020_Track1_097	Multiple Parameter Optimization by Wire Electro Chemical Discharge Machining Process on Quartz Glass	Ankit D Oza
	C3_12	RAM2020_Track2_038	Development of Machining Fixture to Improve Machining Lead Time of Helical Gearbox Case	Rohan Pandey
	C3_13	RAM2020_Track1_076	Study on compression properties of ABS and FPU parts printed using SLA	Karumuri Ravi Teja
	C3_14	RAM2020_Track1_046	Design and Development of Robust Fixture to Perform Friction Stir Welding/Processing on Conventional Vertical Milling Machine	Jainesh Sarvaiya
C4	C4_15	RAM2020_Track2_003	On Numerical Modeling and Flow Analysis of Piston Bowl Geometry of a Compression Ignition Engine	Bridjesh Pappula
	C4_16	RAM2020_Track2_044	Development of macro program for improving machining characteristics of logarithmic spiral on CNC machining center	V K Joshi
	C4_17	RAM2020_Track2_040	Analysis of Enablers of Humanitarian Supply Chain Management	Sachin Agarwal
	C4_18	RAM2020_Track2_041	Design of Gripper and Selection of Robotic arm for Automation of a Pick & Place Process	Vijesh Y Shah