

Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility

TECHNICAL PAPER PRESENTATION SCHEDULE

ADMMS'22 - Event Schedule, Venue: SRMIST, Chennai.

DAY	07:30 - 09:00	09:00 - 09:45	09:45 - 10:30	10.30 -11.00	11.00 -13:00	13:00 -14:00	14:00 -14:30	14:30 -15:00	15:00 - 15:30	15:30 - 17:30	17:30 - 19:00	19:00 - 20:00
25-Nov-22	Breakfast and Registration	Inauguration and Key note		Networking TEA	Session 1 - 4	Networking LUNCH	Plenary Session - 1	Plenary Session - 2	Networking TEA	Session 5 - 8		Dinner
26-Nov-22	Breakfast and Registration	Session 9 - 11	Plenary Session - 3		Panel Discussion		Plenary Session - 4	Plenary Session - 5		Valedictory		

Time	Session 1	Session 2	Session 3	Session 4
	Product design - i	Modeling and analysis - i	Materials & manufacturing processes - i	Advanced materials & applications - i
25th November 2022 11:00 - 13:00	Experimental Analysis On Development Of Algae Based Catalytic Converter For Ecofriendly Environment 2022-28-0481 Annagowsalya Lucas Madras Institute Of Science And Tech.	Development Of Predictive Models And Prediction Of Process Parameters For Wire Electrical Discharge Machining Of Monel 400 2022-28-0491 Manikandan Natarajan Mohan Babu University	Experimental Investigation On The Tensile, Fatigue And Wear Characteristics Of Journal Bearing Materials Used In Automobile Engine Application 2022-28-0518 Sadhasivam Deepan Kumar Bannari Amman Institute Of Technology	Optimizing The Tribological Process Parameters Of Calcium Hexaboride Reinforced Magnesium Composite Using Grey Relational Analysis 2022-28-0567 Kaviyarasan K Sri Krishna College Of Engg. And Tech.
	Solar Photovoltaic Fed Fast Charging Power Converters For Electric Vehicles 2022-28-0486 Josephine R.L. National Institute Of Technology, Trichy	Study The Effect Of Elastomeric Isolator Damping Factor In Vibration Using Numerical And Experimental Analysis 2022-28-0494 Anbarasu Govindarasu Zf India Ltd	An Intensive Study On Effect Of Tool Traverse Speed On Formation Of Stir Zone Microstructure And Mechanical Properties Of Friction Stir Welded Hsla Steel Joints 2022-28-0521 Ragu Nathan Seerangan Mohan Babu University, Tirupati	Low Velocity Impact Strength Of Cryogenic Treated Glass-Carbon Fiber Reinforced Composite Panels 2022-28-0569 Arockia Julias A B S Abdur Rahman Crescent Inst S&T
	Lane Change Detection And Tracking For A Safe-Lane Approach Using Sensor 2022-28-0489 Saravana Sathiya Prabhakar R Mepco Schlenk Engineering College	A Novel Approach For Generative Design And Performance Analysis Of An Additively Manufactured Formula Vehicle Knuckle 2022-28-0496 Soundararajan R Sri Krishna College Of Engg & Tech.	Optimization Of Machining Parameters In Turning Of Hastelloy C-276 By Considering Machinability And Chip Morphology Characteristics 2022-28-0526 Venkatesan Kannan Vellore Inst. Of Technology	Fabrication Of Cusbs2 Thin Film Solar Cells By Using Chemical Synthesis 2022-28-0573 Y.B. Kishore Kumar Sree Vidyankethan Engineering College
	Determine Torque Plate Tightening Torque Strategy To Achieve Low Bore Distortion For Diesel Engine 2022-28-0490 Rajendra Bodake Cummins Technologies India Pvt Ltd	Fighter Aircraft Cabin Temperature Control By Variable Time-Delay In Loop With Control Input Normalization 2022-28-0497 Sathiyaseelan A Hindustan Aeronautics Limited (Hal)	Real-Time Condition Monitoring Of Multi-Component High Torque Helical Gearbox In Coal Handling Belt Conveyor System Using Machine Learning – A Statistical Approach 2022-28-0529 Ravikumar S Phd Bs Abdur Rahman Crescent Institute Of Sc	Optimization Of Operational Parameters On Engine Performance And Emissions Of A Diesel Engine Powered With Mimusops Elenji Methyl Ester With Doped TiO2 Nanoparticle. 2022-28-0574 R L Krupakaran Sree Vidyankethan Engineering College
	Deflection Analysis Of Laminated Clamped Rectangular Composite Plates 2022-28-0517 Arfat Pathan Vellore Institute Of Technology Chennai	Investigation On Thermal Management Of Electric Vehicles 2022-28-0498 V. Arul Mozhi Selvan National Institute Of Technology, Trichy	Experimental Investigation On The Wear And Tear Characteristics Of Chrome And Moly Coated Piston Rings Used In Automobile Engine Application 2022-28-0530 Sadhasivam Deepan Kumar Bannari Amman Institute Of Technology	Tribo Performance Of Sb2o3 With Pre-Blend Metal Sulfide In Brake Friction Composites 2022-28-0575 Sathickbasha K Bsar Crescent Inst. Of Sci. And Tech.
	Design And Analysis Of Mini - Tractor Chassis 2022-28-0501 Sathishkumar Aruchamy Sri Krishna College Of Engg & Tech	Investigations On The Effect Of Injection Pressure And Timing On Noise And Vibration Characteristics Of A Biodiesel Fueled Genset Engine And Artificial Neural Network Architecture 2022-28-0499 V. Arul Mozhi Selvan National Institute Of Technology, Trichy	Study Of Nacl Corrosion Behavior On Sic-Reinforced In Al 6061 And Al 5052 Metal Matrix Composites Using Taguchi's Technique 2022-28-0531 K N Uday Vellore Inst Of Technology	Optimization Of The Effect Of Low Heat Rejection Diesel Engine Using Biodiesel With Taguchi Method 2022-28-0577 Vidyasagar Reddy Gangula Sree Vidyankethan Engineering College

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	Advanced Mobility - I	Modeling and Analysis - II	Materials & Manufacturing Processes - II	Advanced Materials & Applications - II
25th November 2022 15:30 - 17:30	Testing And Validation Of Aeb On A Curved Road Path By Integrating Vehicle Dynamics In Four Wheelers Using Ipg Carmaker To Enhance Pedestrian Safety. 2022-28-0557 V Sudhir Kumar Bannari Amman Institute Of Technology	Elasticity Characterization Of Particulate Composites: A Computational Evaluation Of Topology And Polygon Mesh Finite Element Modeling 2022-28-0500 Ganesamoorthy R Chennai Institute Of Technology	Mechanical Properties Of Twill Weave Of Bamboo Fabric Epoxy Composite Materials 2022-28-0532 Karthik A Akshaya College Of Engg And Tech	Experimental Evaluation Of Impact And Thermal Properties Of Abaca/Epoxy Composite 2022-28-0579 Mahaboob Subhani Shaik Sastra Deemed University
	Effect Of Tbc, Turbocharger And Egr On The Performance Of Diesel Engine Using Biodiesels 2022-28-0558 Hariprasad Tarigonda Sree Vidyanikethan Engineering College	Aerodynamic Design Optimization Of Electric Vehicles Using Computational Fluid Dynamics 2022-28-0509 V. Arul Mozhi Selvan National Institute Of Technology, Trichy	Investigation Of Wire Edm Machining Parameters On Duplex Stainless Steel Using Anova And Rsm 2022-28-0535 Vinayak A Modi Vellore Institute Of Technology	Preparation And Characterization Of Lanthanum Ferrite Nanopowders Using Igepal Co 520 As A Surfactant 2022-28-0581 Chandradass J Srm Institute Of Science And Technology
	Influence Of Rail Grinding Operations On The World's Largest Multimodal Network 2022-28-0560 Sachin Verma Research Design & Standards Organisation	Optimization Of Buckling Load Of Thin Hybrid Composite Plate Of Carbon/Glass Epoxy Using Taguchi Approach 2022-28-0502 Renuka Gore Vellore Institute Of Technology Chennai	Humidity Sensing Behavior And Characterization Of CuwO4 Nanoparticles 2022-28-0537 Poovaragan S Chennai Institute Of Technology	Experimental And Microstructural Evaluation On Mechanical Properties On Abaca/E-Glass Hybrid Composites 2022-28-0583 Aluru V Siva Charana Datta Sastra Deemed To Be University
	Sensor Fusion, Mapping, Localization And Calibration Of A Converted Autonomous Quad Bike 2022-28-0561 Sidharth K Government Engineering College Thrissur	Failure Simulation Of Reed Valve By Using Finite Element Method And Accelerated Testing 2022-28-0503 Vivek Subramanian Zf India Ltd	Compendious Characterization Studies On The Physio Mechanical Behaviour Of Habara Plant Fiber Fortified Epoxy Composites 2022-28-0538 Karthi S Sri Krishna College Of Engg And Tech	A Novel Hybrid Nanolubricant For Spark Ignition Engine Application: Studies On Stability, Rheological & Heat Transfer Behavior 2022-28-0585 V. Arul Mozhi Selvan National Institute Of Technology, Trichy
	Performance Assessment Of An Electric Ducted Fan With Afterburner. 2022-28-0562 Alan Bobby Government Engineering College Thrissur	Effects Of Rotational Speed Of Rotors And Inlet Mach Number On Performance Of A Contra-Rotating Axial Compressor - Numerical Study 2022-28-0504 Sundararaj Senthilkumar Srm Institute Of Science And Technology	Experimental Analysis On Machining Properties of Aluminium Hybrid Composite Materials 2022-28-0540 Hari Baalaaji Ra Karpagam College Of Engineering	Experimental Investigation Of Mechanical Characterisation Of Sugar-Cane Bagasse & Sapodilla Seed Shell Powder Reinforced Polymer Composite. 2022-28-0587 Andem Prudhvidhar Reddy Mlr Institute Of Technology
	Design And Development Of Blue Tooth Controlled Robotic Arm Using Fused Deposition Modelling Process 2022-28-0565 Nakandhrakumar R. S Hindustan Institute Of Tech. & Science	Development Of Hybrid Grey Based Anfis Model For Laser Beam Welding Of Inconel 718 Alloy For Automotive Industries 2022-28-0505 Thejasree Pasupuleti Mohan Babu University	Enhancement Of Aluminum Alloy Surface Nano Hybrid Composite Mechanical Performance By Friction Stir Processing And Shot Peening Route 2022-28-0541 Feroz Ali L Phd Sri Krishna College Of Engg And Tech	Investigation Of Natural Fiber Composite In Emi Shielding Under The Influence Of Hematite And Rice Husk Ash Filler. 2022-28-0588 Prabu Krishnasamy Vellore Inst. Of Technology
	Conversion Of A Quad Bike To An Autonomous Vehicle And Performance Assesment 22adrms-0179 Sedwin T C Government Engineering College Thrissur	Enhancing Aerodynamic Performance Of Savonius Vertical Axis Wind Turbine Used With Triboelectric Generator 2022-28-0507 Bhavesh Dadhich Srm Institute Of Science And Technology	Comparative Study Of A Voice-Assisted Collaborative Robot Assembly Process And Manual Assembly Process In Production Assembly Lines 2022-28-0542 Adithyan S Government Engineering College Thrissur	Comparative Analysis On Performance, Emission And Combustion Characteristics Of Nano Additive And Dual Fuel Mode Of Wco In Ci Engine 2022-28-0568 Selvakumar Raja Hindustan Institute of Technology & Scie

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Time	Session 9	Session 10	Session 11
	Modeling and Analysis - III	Materials & Manufacturing Processes - III	Modeling and Analysis - IV
26th November 2022 09:00 - 10:00	Effect Of Wall Proximity And Shape On Bubble Enhanced Heat Transfer From A Vertical Heated Surface 2022-28-0508 Sundararaj Senthilkumar Srm Institute Of Science And Technology	Machinability Analysis Of Ph Stainless Steel With Uncoated And Textured Tool Inserts With Minimum Quantity Lubricants For Aerospace Components 2022-28-0543 Manikandan Natarajan Mohan Babu University	Face Milling Tool Fault Classification Using Histogram Features Of Vibration Signal- A Machine Learning Approach 2022-28-0555 Pradeep Kumar D Bs Abdur Rahman Crescent Institute Of Sc
	Vibration Analysis Of Rectangular Thin Plate With Elliptical Cut-Out 2022-28-0513 Renuka Gore Vellore Institute Of Technology Chennai	Effect Of Al2tio5 Particulates On The Microstructural And Mechanical Characteristics Of Aa5052 Composites 2022-28-0545 Senthilraj K Vellore Inst. Of Technology	Effect Of K-Nearest Neighbours (K-Nn) In Classifying Planetary Gearbox Faults Using Statistical Features 2022-28-0556 Shaul Hameed Syed B.S.A Crescent Inst. Of Sci. And Tech.
	Development Of Anfis Model For Cnc Milling Of Aa5052 Alloy With Mql By Natural Cutting Fluid 2022-28-0511 Lakshmi Narasimhamu Katta Mohan Babu University	Microstructure And Mechanical Behaviour Of Dissimilar Laser Welded Joints For Automobile Applications 2022-28-0548 Thejasree Pasupuleti Mohan Babu University	Comprehensive Mathematical Model For The Prediction Of Delamination Factor In Drilling Of Multi-Material Stacks Using Box Behnken Experimental Design 2022-28-0550 K.Lakshmi Kala Jntu Anantapur
	A Combined Automotive Exhaust Heat Recovery Technique Using Phase Change Material And Jet Impingement Heat Transfer With Wall Protrusions And Baffles 2022-28-0512 Bharanitharan Jambulingam Srm Institute Of Science And Technology	Implementation Of Voice-Assisted Collaborative Robot Assembly With Object Identification In A Production Line 22admms-0151 Harrison Seby Government Engineering College Thrissur	Neural Network Model For Machinability Investigations On Cnc Turning Of Aa5052 For Marine Applications With Mql 2022-28-0515 Lakshmi Narasimhamu Katta Mohan Babu University

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