

SRM Institute of Science and Technology  
DEPARTMENT OF MECHANICAL ENGINEERING  
ICAME 2022  
TENTATIVE SESSION PLAN FOR ORAL PRESENTATION

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>Inauguration Function</b>		24.03.2022	9.30 to 10.25 am (IST)	<a href="https://zoom.us/j/96666114633">https://zoom.us/j/96666114633</a> Meeting ID: 966 6611 4633 Passcode: 905028
	<b>Plenary Session 1</b> Prof.Bidyut Baran Saha Professor and Principal Investigator Thermal Science and Engineering Division International Institute for Carbon-Neutral Energy Research (WPI-I2CNER), Kyushu University, Japan	Functional adsorbent materials for carbon-neutral energy conversion systems	24.03.2022	10.30 - 11.00 AM(IST)	<a href="https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09">https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09</a> Meeting ID: 938 5182 8261 Passcode: 791766
	<b>Keynote Talk 1</b> Prof. Manoj Gupta, Department of Mechanical Engineering, National University of Singapore, Singapore	Light-weight Magnesium (Nono Composite) Technology for Mitigating Environmental damage	24.03.2022	11.00 - 11:20 AM (IST)	<a href="https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09">https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09</a> Meeting ID: 938 5182 8261 Passcode: 791766
	<b>Day 1 - FN</b>				
	<b>SESSION 1</b>				
<b>ICAME4060</b>	Effect of Injection Pressure Ratio in Supersonic jet control using Flow Visualization Technique	Aerospace	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a> Meeting ID: 963 9506 4901 Passcode: 414462 <b>HALL 1</b>
<b>ICAME4084</b>	Effect of Air tab location in Supersonic jet control using Flow Visualization Technique	Aerospace	24.03.2022	11.25 am to 12.30 pm	
<b>ICAME4103</b>	Experimental Investigation of Flow through Convergent Nozzle with Corrugated Tabs	Aerospace	24.03.2022	11.25 am to 12.30 pm	
<b>ICAME4105</b>	Validation of Experimental Studies of subsonic Jets Controlled by Air tabs through Simulation studies	Aerospace	24.03.2022	11.25 am to 12.30 pm	
<b>ICAME4116</b>	Influence of Control Surfaces in Aircraft Wing Control Reversal Problems-FEA And CFD Analysis	Aerospace	24.03.2022	11.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 2</b>					
ICAME4018	Prediction of Split Injection Strategy Assisted Diesel Engine Combustion and Emission Characteristics Fuelled Waste Frying Oil Methyl Ester through Central Composite Design	Alternate fuels	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 HALL :2
ICAME4041	Experimental Investigation on Emission Reduction in Compression Ignition Engines	Alternate fuels	24.03.2022	11.25 am to 12.30 pm	
ICAME4045	Experimental Investigation on a Zeolite 5A Based Catalytic Converter for Emission Reduction in a Watermelon Seed Oil Biodiesel Fuelled CI Engine.	Alternate fuels	24.03.2022	11.25 am to 12.30 pm	
ICAME4098	Performance Investigation and emission analysis on single cylinder four strokes Tri-charged diesel engine	Alternate fuels	24.03.2022	11.25 am to 12.30 pm	
ICAME4207	Performance of BS-VI Catalyst and Influence of Deactivation Conditions on Emission Durability for Commercial Vehicle Applications	Alternate fuels	24.03.2022	11.25 am to 12.30 pm	
<b>SESSION 3</b>					
ICAME4027	Numerical Analysis on Thermal performance of Tandem heated obstacles inside square enclosure	Energy	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  Meeting ID: 932 5675 9876  Passcode: 522606 HALL :1
ICAME4049	Numerical Investigation on Performance Enhancement of Solar Still by Optimising Baffle Influence	Energy	24.03.2022	11.25 am to 12.30 pm	
ICAME4050	An Urban Solar Food Cooking System with a Heat Storage Unit	Energy	24.03.2022	11.25 am to 12.30 pm	
ICAME4062	Numerical Analysis of Joule Heating in a Ni-Ti Segmented Wire used in Sensing Applications	Energy	24.03.2022	11.25 am to 12.30 pm	
ICAME4101	Economic and Environmental Sustainability of Solar PV Technology using RETSCREEN Expert	Energy	24.03.2022	11.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 4</b>					
ICAME4199	Numerical Investigation of Flow around a bluff body with varying geometry with downstream control cylinders	Fluid mechanics	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a> Meeting ID: 932 5675 9876 Passcode: 522606 HALL :2
ICAME4201	EFFECT OF HEAT AND FLOW PROPERTIES ON THE SYSTEM DUE TO CHANGE IN CROSS-SECTION OF CONTROL CYLINDERS	Fluid mechanics	24.03.2022	11.25 am to 12.30 pm	
ICAME4272	Flow Over Square Cylinder with Detached Dual Splitter Plates in the Downstream - Numerical Study	Fluid mechanics	24.03.2022	11.25 am to 12.30 pm	
ICAME4273	Numerical Study of the Mechanism of Droplet Formation in Tjunction Microchannel	Fluid mechanics	24.03.2022	11.25 am to 12.30 pm	
ICAME4301	An Effective CNN based Model to Predict Performance Parameters of Centrifugal Pump with Nose cap	Fluid mechanics	24.03.2022	11.25 am to 12.30 pm	
<b>SESSION 5</b>					
ICAME4010	A COMPARATIVE STUDY ON SURFACE CHARACTERISTICS OF ORTHODONTIC BRACKETS AND ARCH WIRES	BIOMECHANICS	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL:1
ICAME4039	Topology Optimization of prosthetic hip implant using Finite Element Analysis	BIOMECHANICS	24.03.2022	11.25 am to 12.30 pm	
ICAME4061	Dental Implants: A review of types, design analysis, materials, additive manufacturing methods, and future scope	BIOMECHANICS	24.03.2022	11.25 am to 12.30 pm	
ICAME4150	Finite element analysis on effect of aspect ratio and specimen geometry of biodegradable zinc composite for biomedical applications	BIOMECHANICS	24.03.2022	11.25 am to 12.30 pm	
ICAME4456	Finite Element Analysis of Anatomical Defect Cleft Skull Model	BIOMECHANICS	24.03.2022	11.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 6</b>					
ICAME4070	A Simple Supply Chain Model using Geodetic Coordinates	Industrial Engineering	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL:2
ICAME4269	A STUDY ON HUMAN RESOURCE, TECHNOLOGY, PACKING AND COST OF THE PRODUCT CONCERNED WITH PROCESS DESIGN IN FOOD MANUFACTURING INDUSTRIES	Industrial Engineering	24.03.2022	11.25 am to 12.30 pm	
ICAME4334	Wireless Sensor and Actuator Networks Distributed Collaborative Control in Industrial Automation	Industrial Engineering	24.03.2022	11.25 am to 12.30 pm	
ICAME4396	DIGITAL TRANSFORMATION IN MANUFACTURING INDUSTRY - A COMPREHENSIVE STUDY	Industrial Engineering	24.03.2022	11.25 am to 12.30 pm	
ICAME4427	A Study on Scheduling Projects of a Manufacturing System using Petri Nets	Industrial Engineering	24.03.2022	11.25 am to 12.30 pm	
<b>SESSION 7</b>					
ICAME4033	DESIGN AND SIMULATION OF FORMABILITY ANALYSIS OF SHEET METAL USING ERICHSEN CUPPING TEST	Manufacturing	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:1
ICAME4042	Efficient Electrode Design and Manufacturing Techniques Applied on Aluminium Die Casting Inserts	Manufacturing	24.03.2022	11.25 am to 12.30 pm	
ICAME4058	Optimization of Process Parameters for Fused Deposition Modeling of PolyLactic Acid Using Full Factorial Design	Manufacturing	24.03.2022	11.25 am to 12.30 pm	
ICAME4074	EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES AND CORROSION BEHAVIOR OF FRICTION STIR WELDED DISSIMILAR TITANIUM ALLOYS	Manufacturing	24.03.2022	11.25 am to 12.30 pm	
ICAME4092	Design and Fabrication of Fixtures for Friction Stir Welding	Manufacturing	24.03.2022	11.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 8</b>					
ICAME4232	Applications of ANN simulation for prediction of wear rate and coefficient of friction titanium matrix composites	Manufacturing-Artificial Intelligence	24.03.2022	11.25 am to 12.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:2
ICAME4299	Weld defect classification using multi-level featured unified Deep Neural Network	Manufacturing-Artificial Intelligence	24.03.2022	11.25 am to 12.30 pm	
ICAME4346	Prediction of Mechanical Characteristics of Friction Welded Dissimilar EN 10028 P 355 GH steel and AISI 430 steel Joint by Fuzzy Logic Analysis	Manufacturing-Artificial Intelligence	24.03.2022	11.25 am to 12.30 pm	
ICAME4413	Utilization of back propagation algorithms in neural network-based determination of responses for face milling in magnesium alloy	Manufacturing-Artificial Intelligence	24.03.2022	11.25 am to 12.30 pm	
ICAME4414	Optimization of friction stir welding in aluminium 6061 – T6 using ANN	Manufacturing-Artificial Intelligence	24.03.2022	11.25 am to 12.30 pm	
<b>Day 1 - AN</b>					
	Keynote Talk 2 Dr. Sivasankaran Harish Principal Researcher Department of Mechanical Engineering The University of Tokyo, Hongo, Bunkyo-ku, Japan	Heat transport characteristics of metal organic framework coated surfaces	24.03.2022	13:30-13:50 PM (IST)	<a href="https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09">https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09</a> Meeting ID: 983 2574 3491 Passcode: 460276

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 9</b>					
ICAME4125	Design and Implementation of Airbag in Lear Jet Aircraft	Aerospace	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a> Meeting ID: 963 9506 4901 Passcode: 414462 HALL :1
ICAME4135	Numerical Estimation of Sounding Rocket Trajectory	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4171	Sonic Triangular Jets from Orifice and Nozzle	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4172	Assessment of Turbulent Models for 2-D 30° Bevel C-D Nozzle for Underexpansion Condition	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4187	Numerical Simulation of Mach 2 Elliptic Jet	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4194	A Review on Saffman-Taylor Instability developed in Hele-Shaw Cell	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4198	Visualization of Coflowing Rectangular Sonic Jets	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4205	The Decay Characteristics of Rectangular and Triangular Sonic Jets	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4221	A Review on performance characteristics of an Air Foil Thrust Bearing	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4252	Principles Behind the Wing Kinematic Variation with Flight Velocity in Birds: A Preliminary Study	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4293	A Comparative Analysis of Sweeping Jet Actuators	Aerospace	24.03.2022	13.55 pm to 16.30 pm	
ICAME4371	Computational modeling analysis of aerodynamics forces on a car at different angles of rear spoilers	Aerospace	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 10</b>					
ICAME4209	STUDY ON EXHAUST EMISSION PERFORMANCE WITH ADVANCED AFTER-TREATMENT SYSTEMS FOR TWO CYLINDER DIESEL ENGINE	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 <u>HALL 2</u>
ICAME4225	Post Combustion Carbon Capture using Chemical Absorption: A Review	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4229	Extraction and Characterization of waste plastic pyrolysis oil for diesel engines: A performance and emission study	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4240	Upgradation in Conversion Efficiency of Recycled Water for Usage in the Industrial Sector using Hot Flue Gas from CI engine	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4297	Performances and Emissions Analysis on Variable Compression Ratio Diesel Engine	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4349	Study of Low Density Poly Ethylene (LDPE) based Waste plastic pyrolysis oil as compressed ignition engine fuel	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4350	Investigation on Ziziphus Mauritiana seed oil biodiesel usage in CI engine	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4451	A Systematic Bibliometric Review of Research on liability of Autonomous Vehicles (1966 - 2021)	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4495	OPTIMIZATION OF PROCESS PARAMETERS IN THE SYNTHESIS OF TIO2 NANOPARTICLE CATALYST TO PRODUCE HYDRO-CARBON OIL USING THE CATALYTIC PYROLYSIS PROCESS	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4501	MULTI-RESPONSE OPTIMIZATION OF THE CHARACTERISTICS OF WOODEN FUEL SOURCES FOR BOILER APPLICATIONS	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4584	A review on Hydrogen-Natural gas engines for sustainable mobility	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4619	PREDICTION OF IC ENGINE PERFORMANCE AND EMISSION PARAMETERS USING MACHINE LEARNING: A REVIEW	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	
ICAME4625	Experimental Investigation on the Effects of Exhaust Emission Reduction in a Single cylinder CI Engine Fuelled with Diesel & Plastic Pyrolysis Oil with Nano-materials	Alternate fuels	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 11</b>				
ICAME4102	Computational and Experimental Studies on a Solar Chimney Pilot Plant with geometric Optimization using Response Surface Methodology	Energy	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  <b>Meeting ID: 932 5675 9876</b>  <b>Passcode: 522606</b> <b>HALL :1</b>
ICAME4104	Experimental Investigation of Wind Pressure on a Low Rise Gable Roof Building	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4146	Characterization of food waste for understanding energy generation potential.	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4167	Experimental and theoretical analysis of performance enhancement of double slope solar still with channel attachments	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4203	Experimental investigation of carbon nanotube coated heat sink for LED thermal management	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4226	Enhancing performance of solar stills-A review	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4236	Various Productivity Enhancement Techniques used in Solar Still -A Review	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4291	A Critical review on recent developments in Battery thermal Management system of Electric Vehicles	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4306	Experimental Evaluation and Comprehensive Performance Comparison of Four Different Combinations of Silica Gel Desiccant Wheel on Indoor Air Quality	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4322	Cold Thermal Energy Storage Performance of Graphene Nanoplatelets-DI Water Nanofluid PCM using Gum Acacia in a Spherical Encapsulation	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4326	MODELING AND SIMULATION OF IMPROVED HYBRID DUAL CONVERTER USING WAVE ENERGY	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4357	A Critical Review on Hybrid Electrochemical Energy Storage System for Electric Vehicles	Energy	24.03.2022	13.55 pm to 16.30 pm	
ICAME4372	Modeling Analysis of Beam Radiation on Parabolic Trough Collector Model	Energy	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 12</b>					
ICAME4026	Numerical investigation on natural convection analysis on tandem heated obstacles inside a square enclosure	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  Meeting ID: 932 5675 9876  Passcode: 522606 HALL: 2
ICAME4144	INVESTIGATION OF SCREEN MESH WICK HEAT CONDUIT USING ALUMINIUM OXIDE AND DEIONIZED WATER AS THE BASE FLUID	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4166	Numerical simulation of flow boiling in a rectangular minichannel and conventional channel used in solar still	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4176	Prediction of Gas Side Convective Heat Transfer in an Automobile Engine Exhaust Manifold	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4179	Computational Analysis for Flow over a Heated Square Cylinder by Minimising the Bluffness	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4231	Combined Effect of Longitudinal Vortex Generator Placement and Nanofluids for a Channel Flow Heat Transfer Enrichment	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4233	Fluid-Structure Interaction Analysis of The Hyperloop Capsule	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4242	HEAT TRANSFER ANALYSIS AND NUMERICAL MODELLING ON A MILLING SURFACING TOOL UNDER MINIMUM QUANTITY LUBRICATION (MQL)	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4356	CFD analysis of different radiator surfaces to optimize heat transfer coefficient	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4448	A Literature Study on Urban Heat Islands	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	
ICAME4409	CFD Flow simulation and optimization of corrugated plate heat exchanger	Heat transfer	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 13</b>				
ICAME4023	HEAT TREATMENT AND ITS EFFECTS ON ALUMINIUM ALLOYS	Material Science	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL :1
ICAME4030	HEAT TREATMENT AND TRIBOLOGICAL BEHAVIOUR OF HYPO AND HYPER EUTECTIC ALUMINIUM ALLOY	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4065	Comparison of binary, ternary and quaternary shape memory alloys and techniques to enhance their mechanical properties: A focused review	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4096	Mesh Convergence Study on Various Types of Thin Shell Structures based on the Concept of Bio mimics	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4100	Microstructural evaluation of gas nitrided AISI 316 LN austenitic stainless steel	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4115	IMPLEMENTATION OF WASTE RECYCLED FIBERS IN CONCRETE: A REVIEW	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4118	Investigation of Dispersion of Nano-Graphite Particles in Polyamide using SEM & XRD	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4127	Study of morphology and performance of Al <sub>2</sub> O <sub>3</sub> coated aluminium and stainless-steel cookwares	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4128	A REVIEW ON FLY ASH CENOSPHERE AS A SOLID WASTE IN CONCRETE APPLICATION	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4140	NANO-ALUMINA INCORPORATION INTO CONCRETE BY VARIOUS METHODS	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4143	An Analytical Study on Nano-Alumina Modified Concrete In-Filled Lightgauge Steel Fluted Columns	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4195	THERMAL CHARACTERISTICS OF FINE GRAINED CONCRETE WITH VARIOUS PERCENTAGE OF BASALT FIBER AND GGBS	Material Science	24.03.2022	13.55 pm to 16.30 pm	
ICAME4239	Prediction of Flash temperature by considering roughness of the worn surface of Al-Si alloy under dry sliding wear	Material Science	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 14</b>					
ICAME4469	Microstructural Evolution in Non-Vacuum Solid State Diffusion Bonded Joints of AA2219	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL 2
ICAME4486	Influence of Process Parameters on Microstructure and Mechanical Properties of Friction Stir Welded Dissimilar Joint	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4491	AN INVESTIGATION ON WELDING OF HIGH DENSITY AND LOW-DENSITY POLYETHYLENE USING MICROWAVE ENERGY	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4500	Mechanical Behaviour of Friction Stir Welded AA7075-T6 and AA6063-T6 Joints - An Experimental Study	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4507	Determining optimum stick out length for favourable mechanical and metallurgical properties in Tungsten Inert Gas Welding of Hastelloy C-276	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4554	“Fabrication of Al 6082 /SiC Composite Using Friction Stir Processing”	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4677	NDT Studies and Microstructure Investigation on Dissimilar Materials Joining by using FSW Method	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4679	Temperature Effects on Finite Element Analysis of Ti-6Al-4V & SS304L using Friction Welding Process	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4730	Experimental Evaluation of Al 6061 with addition of B4C and Al2O3 reinforcement by Friction Stir Welding	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4752	Optimization of Friction Welding Parameters for Joining Medium Carbon Steel Plates with Rods (Unsymmetrical Components) using Response Surface Methodology	Manufacturing-Welding	24.03.2022	13.55 pm to 16.30 pm	
ICAME4768	Analysis of cutting fluid on MQL by using Vegetable oil	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	
ICAME4775	Improving Formability Of Copper By Addition Of Graphite	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	
ICAME4800	Robot-Assisted Nano Painting using Carbon Nanotubes with Expert system Approach	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	
ICAME4803	Design of laminated composite plate for optimum ballistic impact resistance: A Finite element approach	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	
ICAME4804	Study on Mechanical Properties of Graphite Based Composite with Epoxy Resin (Suraj Shahi 1, Mohit Agrawal 1, S Arun Prasath)	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 15</b>					
ICAME4335	Multi-objective optimization in the drilling of Sisal/SiC/Epoxy composites using Grey Relational Analysis	Manufacturing-Optimization	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 <u>HALL :1</u>
ICAME4506	Optimization of mechanical properties on epoxy based corn supported filled composite utilizing Taguchi Approach	Manufacturing-Optimization	24.03.2022	13.55 pm to 16.30 pm	
ICAME4556	IMPROVEMENT IN SURFACE INTEGRITY AND MACHINABILITY OF WEDM BY USING HYBRID OPTIMISATION TECHNIQUE	Manufacturing-Optimization	24.03.2022	13.55 pm to 16.30 pm	
ICAME4610	EXPERIMENTAL INVESTIGATION AND MULTI RESPONSE OPTIMIZATION OF TEMPERATURE ON MACHINED SURFACE, CUTTING FORCE AND MACHINING TIME IN TURNING AA7075	Manufacturing-Optimization	24.03.2022	13.55 pm to 16.30 pm	
ICAME4712	Multi-objective optimization of FDM using RSM, hybrid GA-TOPSIS and hybrid GA-GRA techniques	Manufacturing-Optimization	24.03.2022	13.55 pm to 16.30 pm	
ICAME4086	STUDY OF THE COMPOSITE STEEL-CONCRETE BEAM WITH OPENINGS A REVIEW	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4124	Investigation of fracture toughness in mixed mode for hybrid laminated polymer composites using an A4PB type specimen	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4147	A COMPREHENSIVE ANALYSIS OF CONCRETE WITH FOAM WITH INDUSTRIAL WASTES AS FILLER MATERIALS	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4153	Finite element modeling to predict hardness of Mg alloy reinforced with Ti/Hydroxyapatite hybrid composites – An axisymmetric approach	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4155	Investigation on the ageing properties of nitrile rubber Reinforced Halloysite nanotubes / Carbon black Hybrid Composites	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4193	Effect of Nano-Filler Aluminium Oxide And Graphene on Flammability Properties of Kenaf-Epoxy Composites	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4202	A Review on the effect of various Nano Fillers on the mechanical properties and thermal stability of Chloroprene Rubber Composites	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4243	Experimental & Computational analysis of Thermal characteristics of polymer resin reinforced with Rice husk and aluminium nitride filled composites.	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4793	Analysis of the effect of processing constraints and reinforcement content in properties of aluminum hybrid composites <small>(V Veeranaath, Suparno Sengupta, Rohit Joseph)</small>	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	
ICAME4794	Analysis of Mechanical and Physical Behavior of Al <sub>2</sub> O <sub>3</sub> and Fly Ash Reinforced Aluminum Hybrid Composites <small>(V Veeranaath, Mobashir, Ravi Shankar)</small>	Material Science-Composite	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 16</b>					
ICAME4066	Design of Robot Arm for Domestic Culinary Assistance	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL :2
ICAME4141	The Design and development of a Soft Robotic Gripper	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4206	Development of Terrestrial Mobile Robot for mining application with optimized selection of path planning using Lidar.	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4250	Development of Autonomous Mobile Robot for Drug Delivery	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4354	DEVELOPMENT OF UNMANNED GROUND SURVEILLANCE VEHICLE	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4374	Implementation of efficient multi-robot exploration on SoC platform for industrial applications	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4404	Development of a robot for agricultural applications by using image processing	Robotics and control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4544	Design and Development of 5-axis Robot	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4629	SURVEILLANCE ROBOT WITH CLOUD CONTROLLED MONITORING AND CONTROL	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4688	Conceptual Design of an Autonomous Stair Climbing Heavy Load Delivery Robot	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4744	RF Assisted Underground Subsurface Scanning Method for Measuring Soil Parameters in Large-scale	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4022	Design of a Prototype Robot Manipulator for Pick-and-Place Operations	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4123	OMNI-DIRECTIONAL MATERIAL HANDLING CART	Robotics and Control	24.03.2022	13.55 pm to 16.30 pm	
ICAME4791	Investigation on the Effect of Heat Treatment on Characteristics of ZrC and Bagasse Ash Reinforced Aluminum Hybrid Composites	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	
ICAME4792	Fabrication and Characterization of Magnesium Hybrid Composites	Manufacturing	24.03.2022	13.55 pm to 16.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>Day 2 - FN</b>				
	Pleanery Session 2 Prof. Ir. Dr. Jaharah A. Ghani Department of Mechanical and Manufacturing Engineering Faculty of Engineering and Built Environment Universiti Kebangsaan Malaysia 43600 Bangi, Selangor, Malaysia	Sustainable Machining	25.03.2022	9:30- 10:00 AM (IST)	<a href="https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09">https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09</a>  Meeting ID: 938 5182 8261 Passcode: 791766
	Keynote talk 3 Dr. Fuda Ning Binghamton University Vestal Pkwy E, Binghamton, NY 13902, United States		25.03.2022	10:00 - 10:20 AM (IST)	<a href="https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09">https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09</a>  Meeting ID: 938 5182 8261 Passcode: 791766
	<b>SESSION 17</b>				
ICAME4002	Parametric Analysis of Gasification using Municipal Solid Waste of Kolkata Metropolitan City	Thermal systems	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 HALL:1
ICAME4021	Extended Kalman Filter Based Tube Leak Detection for Thermal Power Plant Reheater	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4034	Effect of nose cap tip angle and length on Unsteady Pressure Fluctuations in a Centrifugal Pump	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4035	Numerical Predictions on the Intermittent Combustion Instability:Implications and Applications	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4036	Experimental Investigation of the heterogeneous fire propagation in real time scale	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4047	Hydromagnetic boundary layer flow of Nanofluid past a stretching sheet with effect of viscous and ohmic dissipation	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4068	Modeling and simulation of a 6kW wind turbine to increase its performance efficiency	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4069	A Numerical Approach to Investigate the Thermal Performance of Multi-Layered Building Surfaces	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4073	DESIGN AND IMPLEMENTATION OF SMART FUEL INDICATOR	Thermal systems	25.03.2022	10.25 am to 12.30 pm	
ICAME4109	ANALYSIS OF THERMAL COMFORT INSIDE BUILDINGS WITH NATURAL VENTILATION AND SPLIT AIR - CONDITIONING DURING COVID -19 LOCKDOWN	Thermal systems	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 18</b>					
ICAME4375	Temperature optimization of working fluid coolant on solar parabolic trough collector receiver model	Energy	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a> Meeting ID: 963 9506 4901 Passcode: 414462 HALL: 2
ICAME4452	ENERGY AND EXERGY ASSESMENT OF VAPOUR COMPRESSION REFRIGERATION SYSTEM USING R134a, R1234yf and R1234ze(E)	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4455	Review analysis on riblets used in wind turbine airfoils	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4464	Blue Green Infrastructure: A Panacea for Urban Environmental challenges Case study of Thiruvananthapuram city, Kerala, India	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4487	Optimization of Natural Cooled Parallel Plate Heat Sinks for the Cooling of Panel Mounted Solid State Relays	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4549	Recirculation type solar food dryer for high humid regions using molecular seive as dehumidifier	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4564	Review Article: Breeze Turbine	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4579	Performance Parameters Analysis of Single Slope Solar Still Using Black Naphthylamine Dye	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4598	A Review of Solar Thermal Desalination Using Nanotechnology	Energy	25.03.2022	10.25 am to 12.30 pm	
ICAME4634	HARMONY HELIX VERTICAL AXIS WIND TURBINE	Energy	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 19</b>					
ICAME4388	Finite Element Analysis of a Single Bubble for Two-phase Gas-Liquid Flow in a Column Containing Different Liquid Materials	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a> Meeting ID: 932 5675 9876 Passcode: 522606 HALL:1
ICAME4389	Experimental Investigation on Thermal Stability Analysis of Dual Particle Magnetorheological Fluid and Performance	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4416	An Optimization of Grooves Structure for Thermal Performance in Microchannel	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4426	Ultra-Short Term Wind Speed Forecasting using Wavelet Transforms and Artificial Neural Networks	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4559	CFD Analysis of Partially Submerged Bodies in Open Sea Conditions	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4569	Advances in the application of computational fluid dynamics in cardiovascular flow	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4571	Regression Analysis based Empirical Correlations to Design Regenerative Flow Pumps, Blowers, and Compressors	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4605	Phase velocity and group velocity of waves in Taylor-Couette flow	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4620	Separation in Multiphase flow - Review	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	
ICAME4740	Numerical analysis on heat transfer and flow characteristics of swirling vertical impinging jet	Fluid mechanics	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 20</b>					
ICAME4005	FAULT DIAGNOSIS ON CENTRIFUGAL PUMPS USING CONVOLUTION NEURAL NETWORK – A THEORETICAL FRAMEWORK.	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  Meeting ID: 932 5675 9876  Passcode: 522606 HALL :2
ICAME4017	Hydroponic Farming – A state of art for the future Agriculture	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4032	DEVELOPING MICRO GRID BASED ON PHOTOVOLTAIC-FED DC- BUS ISLANDED ELECTRIC VEHICLE INFRASTRUCTURE AT GRID TO VEHICLE (G2V) USING DIGITAL TWIN	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4046	On the choice of mathematical functions to model damage in anisotropic soft tissues	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4054	Investigation of Fractal Formation in Hele Shaw Cell on Polygon Surfaces	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4056	OPTICAL CHARACTERIZATION OF NICKEL PLATED NON-FERROUS SHEET METALS	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4078	DESIGN AND FABRICATION OF POLAR BASED 3D PRINTER	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4108	Alternative Dispute Resolution (ADR) Methodologies involving Artificial Intelligence – A Review	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4113	Viability of Atmospheric Water Generation as a supplement water source to address the urban water crisis in India: A case study	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	
ICAME4133	SIMULATION OF SOLAR POWER DISTRIBUTION AND ITS STORAGE IN ELECTRICAL VEHICLES	Multidisciplinary	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 21</b>				
ICAME4251	Partial Replacement of Cement with Alternative Cementitious Material in the Production of Concrete: A Review	Material Science	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL :1
ICAME4276	An experimental study on bulge test of commercially pure aluminium sheet metal	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4311	Microstructural Characterization Study on Self-Compacting Concrete with M-sand	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4312	Natural Fibers Reinforced Concrete: A Review	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4343	THE ENTIRE ZAGREB INDEX IS BASED ON H – NAPHTHALEINC NANOTUBES	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4344	TOPOLOGICAL INDICES RELATING SOME NANOSTRUCTURES	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4355	A Study on The Macro Properties of PCBs Fiber Reinforced Concrete from Recycled Electronic Waste	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4358	PERFORMANCE EVALUATION OF DIFFERENT DESICCANT MATRIX MATERIALS COATED WITH SILICA GEL 3A	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4360	Analysis of Thermal Properties for Lime- based Mortar with Pulverized Phase Change Material	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4443	Fatigue strain analysis of bituminous pavement for different material properties and axle configurations	Material Science	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 22</b>					
ICAME4275	Investigation on the mechanical and ageing properties of nitrile polyvinyl chloride rubber Reinforced Halloysite nanotubes / Carbon black Hybrid Composites	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL: 2
ICAME4277	Effect of SiO <sub>2</sub> and Graphite on Mechanical and Thermal Properties of Aluminium based Metal Matrix Hybrid Nanocomposites	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4283	Invention and Tribological characterization of Titanium Matrix (Ti-6Al-4V/WC) composite utilized by liquid and powder metallurgy route	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4294	Fabrication of Al7075 Metal Matrix with varying compositions of Reinforcements	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4307	Machinability Studies on Hybrid Aluminum Metal Matrix Composites	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4336	Tribological characteristics of SiCp/Al <sub>2</sub> O <sub>3</sub> p filled sisal fibre/epoxy composites: A comparative study	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4367	Material Characterization of Sugarcane Bagasse/Epoxy Composites for Drone Applications	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4381	A Study on tensile and flexural properties of hybrid unidirectional composite reinforced laminates	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4460	Fabrication process, Mechanical Properties and characterization of A356 Aluminium alloy reinforced with Gr-FE <sub>3</sub> O <sub>4</sub> -B <sub>4</sub> C hybrid nanoparticles manufactured by Selective Laser Melting (SLM)	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4466	ENHANCEMENT OF MECHANICAL PROPERTIES OF SANDWICH COMPOSITES	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4369	MECHANICAL AND WATER ABSORPTION BEHAVIOUR ON SILANE TREATED JUTE FIBER BASED NATURAL COMPOSITES (RAVINDRAN.S , Dr.G.G.SOZHAMANNAN)	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	
ICAME4603	Experimental Investigations on Tensile and Compressive Properties of Nano Alumina and Arecanut Shell Powder Reinforced Polypropylene Hybrid Composites	Material Science-Composite	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 23</b>					
ICAME4169	TRIBOLOGICAL CHARACTERISTICS OF STELLITE HARDFACED LAYER ON MILDSTEEL	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 <u>HALL:1</u>
ICAME4213	Tribological behavior of Physical Vapor Deposition (PVD) Coating process for Punch and Dies: An Overview	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4256	Effect of Graphite on Tribological and Mechanical Properties of PA6/5GF Composite	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4379	Tribological Behaviour of the Random Discontinuous Carbon Fibers Reinforced Epoxy Composites with Alumina Nanoparticles	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4538	Friction Co-efficient of different lubricants on various materials	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4555	Experimental investigation on ecofriendly lubricant oil mixed with SiO <sub>2</sub> , TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> nano additives	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4652	Analysis of Wear Parameters Influencing Automotive Component using Taguchi Technique	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4769	The Tribological and Rheological evaluation of Neem Seed oil as an environment-friendly lubricant	Material Science-Tribology	25.03.2022	10.25 am to 12.30 pm	
ICAME4762	MECHANICAL AND METALLURGICAL CHARACTERIZATION OF AA -7075 ALUMINIUM ALLOY THROUGH CENTRIFUGAL CASTING (FGM)	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4781	Influence of nano Al <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub> and TiO <sub>2</sub> particles on the properties of Ni composite coating	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4609	Designing Hybrid PEEK composite with improved Tribo-mechanical properties using Neural Network	Material Science	25.03.2022	10.25 am to 12.30 pm	
ICAME4578	Designing Mg alloys – A machine learning approach	Material Science	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 24</b>					
ICAME4093	Design and Fabrication of Fixtures for Underwater Friction Stir Welding Process	Manufacturing	25.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:2
ICAME4106	Development of Microstructure-Processing correlations of Inconel718 Through Additive Manufacturing	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4244	Comparative Study on Hardening of Metals for an Engine Block	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4253	Experimental Studies on the mechanical behaviour of three dimensional PLA printed parts by Fused Filament Fabrication	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4305	An Experimental Analysis of Electrical Discharge Machining Process Parameters for HMMC	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4317	Experimental investigation on banana stem fibre in the production of M40 grade concrete: A Review	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4400	Influence of Fibre Glass Powder and Metakaolin on Manufacturing of Light Weight Watercraft	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4406	EXPERIMENTAL INVESTIGATION ON MECHANICAL CHARACTERISTICS AND FABRICATION OF RECYCLED PET PLASTICS FOR IRRIGATION	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4415	Development of Fault Detection Test Rig for Pneumatic Systems Under Different Operating Conditions and Parameters	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4444	Design & Development of Automatic Roti Making Machine	Manufacturing	25.03.2022	10.25 am to 12.30 pm	
ICAME4314	A review on the effect of proces parameters in laser beam machining process	Manufacturing	25.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>Day 2 - AN</b>				
	Keynote Talk 4 Prof. Ahmad Baharuddin Bin Abdullah, School of Mechanical Engineering Universiti Putra Malaysia	Metal additive manufacturing; current status and future demands	25.03.2022	13:30-13:50 PM (IST)	<a href="https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09">https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09</a>  Meeting ID: 983 2574 3491 Passcode: 460276
	<b>SESSION 25</b>				
ICAME4642	Comparison of vertical and horizontal configuration of heat transfer tube in enhancing the PCM melting rate in a horizontal cylindrical container	Energy	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 HALL: 1
ICAME4683	EXPERIMENTAL INVESTIGATION AND PERFORMANCE ANALYSIS OF A GAS TURBINE POWER GENERATING ENERGY SYSTEM UNDER VARIOUS OPERATING CONDITIONS FOR SUSTAINABLE ELECTRICITY GENERATION	Energy	25.03.2022	13.50 pm to 4.30 pm	
ICAME4692	Use of Phase Change Material for Enhancement of Performance of Cold Storage for Transportation	Energy	25.03.2022	13.50 pm to 4.30 pm	
ICAME4724	AN EXPERIMENTAL EVALUATION OF GRID CONNECTED ROOF TOP 50 kWp SOLAR PHOTOVOLTAIC POWER PLANT SOUTHERN INDIA	Energy	25.03.2022	13.50 pm to 4.30 pm	
ICAME4611	Analysis of Marine Propeller Using Computational Fluid Dynamics	Aerospace	25.03.2022	13.50 pm to 4.30 pm	
ICAME4665	Influence of Different Environmental Operating Conditions on the Cabin Supply Air Temperature of a Fighter Aircraft	Aerospace	25.03.2022	13.50 pm to 4.30 pm	
ICAME4681	Computational Studies on Peregrine Falcon Bird Airfoil at High Reynolds's Number for Landing Characteristics	Aerospace	25.03.2022	13.50 pm to 4.30 pm	
ICAME4646	Experimental investigation of the effect of 1-pentanol fumigation on diesel engine powered by camphor oil blended diesel.	Alternate fuels	25.03.2022	13.50 pm to 4.30 pm	
ICAME4110	A Review on recent approaches in thermal and water management in a Polymer Electrolyte Membrane Fuel Cell	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4137	Fabrication of photoacoustic cell and thermal diffusivity measurement of Yttrium oxide (Y2O3) powder by photoacoustic spectroscopy	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4292	An Improvement of Climate Zoning based on Hierarchal Clustering Algorithm for Buildings in India	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4454	DAYLIGHT PERFORMANCE ANALYSIS OF A RESIDENTIAL BUILDING FOR ENERGY CONSERVATION IN A WARM HUMID CLIMATE ZONE, USING DIFFERENT DAYLIGHT CALCULATION METHODS	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 26</b>					
ICAME4552	The Performance Enhancement Techniques in Double Pipe Heat Exchangers – A Comprehensive Review	HEAT transfer	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 <u>HALL:2</u>
ICAME4612	Single-Phase Heat Transfer Enhancement in Tube Type Heat Exchangers: A Review	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4621	Two Phase Heat Transfer and Flow Analysis in Vertical and Horizontal Pipes: A Review	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4656	Impact of linearly varying heating temperature profiles on nanofluidic thermal convection in an enclosure	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4658	Magneto-nanofluid based heat flow evolution in a cylindrical annulus	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4676	The Effect of Urban Infrastructure on Urban Heat Island Effect: A Literature Study	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4725	Dynamics of MHD Convective Flow of Walters-B Viscoelastic Fluid Past an Accelerating Permeable Surface with Mechanism of Soret-Dufour	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4753	Experimental study on convective heat transfer co-efficient of Graphene based nanofluids in helical coil heat exchanger.	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4764	DESIGN AND ANALYSIS OF HEAT TRANSFER PERFORMANCE IN THERMOSIPHON SYSTEM	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4770	Evaluating the performance of indirect solar dryer and drying parameters of pineapple: comparing natural and forced convection	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4779	EVALUATION OF THE IMPACT OF PERTINENT PARAMETERS ON THE HEAT TRANSFER WITH THE NANOFLUIDS	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4780	HEAT TRANSFER ANALYSIS OF THE HYBRID NANOFLUID OVER A CONE	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	
ICAME4465	Numerical Investigations of Free and Forced Convection with various features using Mesoscopic Lattice Boltzmann Method	Heat transfer	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 27</b>				
ICAME4467	SUSTAINABLE DAY LIGHTING TECHNIQUES IN TRADITIONAL BUILDINGS	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  Meeting ID: 932 5675 9876  Passcode: 522606 HALL :1
ICAME4488	Thermal study on Novel Spokes fin for High Power LED	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4494	A REVIEW OF DAYLIGHTING CALCULATION METRICS, VARIABLES AND METHODS IN EVALUATING THE DAYLIGHT PERFORMANCE OF A RESIDENTIAL BUILDING	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4499	CRITICAL REVIEW ON ENERGY EFFICIENT (EE) BUILDING MATERIALS AND CONSTRUCTION TECHNIQUES	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4563	PERFORMANCE STUDY OF SINGLE STAGE AND TWO STAGE PULSE TUBE REFRIGERATOR USING ADIABATIC MODEL	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4606	Analysis of cascade refrigeration system with eco-friendly refrigerants	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4637	CFD aided simulation of temperature variation and ice formation in a reversible heat pump-based freeze concentration system	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4745	EXERY ANALYSIS OF GEOMETRICALLY MODIFIED THERMOSYPHON	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4757	Computational Fluid Dynamics for Turbomachinery Technologies with a Focus on High-Speed Rotor	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4771	Establishment of Easement in Energy Efficient Building Using Novel Air Handling Techniques: A Review	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4782	Sick building syndrome caused by indoor air quality in pandemic situation - prevention and control	Thermal systems	25.03.2022	13.50 pm to 4.30 pm	
ICAME4521	Numerical Analysis of 2D incompressible flows in U-shaped cavity using Lattice Boltzmann Method	Aerospace	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 28</b>					
ICAME4212	Design and Implementation of Integrated Water System Management using IoT	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  <b>Meeting ID: 932 5675 9876</b>  <b>Passcode: 522606</b> <b>HALL: 2</b>
ICAME4279	Reliable Power Sharing Technique between Decentralized DGs in Microgrids	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4316	Improving Low Speed Efficiency Switched Reluctance Motor for Electric Vehicle Material Grade	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4326	A Critical Review on Lithium-ion Battery Fault Detection Techniques for Electric vehicle	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4328	Design and Control of Electrical Vehicle Charger	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4337	Lidar Sensor Perception system of Self-Driving Cars	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4338	In-situ fractal roughness evaluation of ground surfaces using biorthogonal wavelet	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4339	SMART WATER MANAGEMENT SYSTEM USING IOT AND DSM	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4378	SPEECH RECOGNITION BASED BLDC MOTOR CONTROLLER FOR SMART WHEELCHAIR	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4380	Investigation and Performance of Pollution Layer Location on 11kV Polymer Insulator	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4382	Design and Analysis of Solar Power Converter with High-Frequency inverter and rectifier operation for residential PV	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4384	Design of Single-Inductor Double-Input Double-Output DC-DC Converter for Electric Vehicle Charger	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4806	DIGITAL ENGINEERING CHANGE MANAGEMENT FRAMEWORK FOR FASTER IMPLEMENTATION OF ENGINEERING CHANGES USING PLM ARCHITECTURE IN AUTOMOTIVE INDUSTRIES	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	
ICAME4807	BUSINESS PERSPECTIVE CHALLENGES AND WAY FORWARD IN INDIAN COMMERCIAL VEHICLE INDUSTRY	Multidisciplinary	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 29</b>					
ICAME4520	Finite element Analysis of micro-architectural scaffold structures designed based on fused deposition modelling system process parameters - FUNMAT-HT -3D printer	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL:1
ICAME4523	Evaluation of mechanical properties of 3D-Printing materials for development of Ankle foot orthoses to treat foot drop conditions using Finite element Analysis	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4551	Finite Element Analysis and Experimental Validation of Polycentric Prosthetic Knee	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4575	<i>Design aspects of femur bone fractures: A Review</i>	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4628	AN AUTOMATIC SPINE SEGMENTATION USING CONVOLUTIONAL NEURAL NETWORK	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4691	A Review Study on Cervical Spine (C1-C7) Biomechanical Analysis	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4303	Development of IoT Based Insole for Measuring Foot Pressure Distribution using FSR Sensor	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4304	Development of Low-cost Interface Pressure Measurement Mat for Wheelchair Occupant	BIOMECHANICS	25.03.2022	13.50 pm to 4.30 pm	
ICAME4134	ROBOTOR - AN AUTONOMOUS VEHICLE FOR TARGET DETECTION AND OPTIMAL PATH SELECTION	Robotics and Control	25.03.2022	13.50 pm to 4.30 pm	
ICAME4261	Development of 3D Map by Territory Exploration using ROS assisted Hexapod six legged robot	Robotics and Control	25.03.2022	13.50 pm to 4.30 pm	
ICAME4288	Design and Control of Micro Friction Stir Welding End Effector for Robot	Robotics and Control	25.03.2022	13.50 pm to 4.30 pm	
ICAME4734	Mathematical derivation and validation of kinematics for 4-DOF manipulator	Robotics and Control	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 30</b>					
ICAME4059	Evaluation of Buckling and Vibration Characteristics of Unified Quadcopter Structure	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL:2
ICAME4107	Identification of Damping Coefficient for Unmanned Aerial Vehicle Based on Wind Tunnel Test Section	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4208	A Competent Top Down Approach Methodology for Design and Development of Commercial Vehicle Box Type Exhaust After Treatment System	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4215	Bridge bearing damage identification using vibration data	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4241	Optimization of an Alternator Housing of Toyota Avensis Denso Alternator CSC0 14V 100A using Finite Element Method	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4268	Modal Analysis and Comparison of Composite Materials and Mild Steel for Dump Truck Chassis Frame	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4308	<i>Fault Diagnosis of a Worm Gearbox by Using Denoise Vibration Signature- a Review</i>	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4315	Transient and Modal analysis of Gudgeon Pin	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4325	VIBRATION ANALYSIS OF NORMAL AND TAPERED TOOTH STRUCTURES OF SWITCHED RELUCTANCE MOTOR WITH DIFFERENT STATOR POLE ARC ANGLE FOR ELECTRI VEHICLE APPLICATION	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4580	Dynamic Failure Analysis of IC Engine Valve Mechanism	Industrial Applied Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4234	NAÏVE BAYES CLASSIFIER WITH FEATURE RANKING FOR IMAGE CLASSIFICATION TO IDENTIFY DEFECTIVE MACHINE PARTS	Manufacturing-Artificial Intelligence	25.03.2022	13.50 pm to 4.30 pm	
ICAME4262	DEVELOPMENT OF HIGH PRECISION TURNING ATTACHMENT FOR ROBOTIC ARM	Manufacturing-Machining	25.03.2022	13.50 pm to 4.30 pm	
ICAME4527	MODELLING AND ANALYSIS OF FIBER REINFORCED COMPOSITE LEAF SPRING (SHUBHAM DUBEY, RUTIK SHUBHASH KATE, SHANTANU SHEKHAR AYERKAR )	Manufacturing-Machining	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 31</b>				
ICAME4038	Optimization of cold extrusion die process parameters using finite element analysis	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 <u>HALL:1</u>
ICAME4088	Numerical prediction of uav landing gear tire characteristics	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4119	Finite Element Analysis of Composite beam with and without openings	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4164	Rotordynamics analysis of high-speed small-sized turbogenerator rotor using Ansys	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4214	Finite Analysis of the Flange with different Fillet Radius in Tubular Wind Tower	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4237	FEM Based Multi-Objective Optimization of Press-Brake Bending of Sheet Metal	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4377	Computational modeling analysis on busted liquefied petroleum gas cylinder	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4402	Analysis and Design of RCC Columns with Varying Stiffness Strengthened using Jacketing Technique	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4527	MODELLING AND ANALYSIS OF FIBER REINFORCED COMPOSITE LEAF SPRING	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4594	Design and Analysis of Quadcopter Body Frame	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4615	Numerical Simulation of Bimorph Piezoelectric Beam with Circular Holes	SIMULATION	25.03.2022	13.50 pm to 4.30 pm	
ICAME4588	Production of Polyethylene Composites Reinforced with Sisal and Jute fibres through Compression Molding	Manufacturing	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 32</b>				
ICAME4228	Experimental Investigation on the Ballistic Impact Properties of Areca/Kenaf Fiber-Reinforced Hybrid Epoxy Composite Plates	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL: 2
ICAME4397	EXPERIMENTAL STUDY ON ELECTRICAL PROPERTIES OF SELF SENSING CONCRETE	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4398	Experimental study on mechanical and durability properties of natural and artificial Fibre Reinforced Concrete	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4439	DESIGN AND ANALYSIS OF SOLAR PANEL CLEANING MECHANISM	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4643	Prediction of tensile stress using machine learning approach for S355 structural steel	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4684	Effect of surface modification by tantalum and strontium ions on hydroxyapatite coated titanium substrate using sol-gel technique	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4705	Double Skin Rubberized Steel Fiber Mixed Composite Column	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4717	NUMERICAL INVESTIGATION OF ROCKFALL PROTECTION GALLERIES AGAINST IMPACT LOADING	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4751	Acoustic emission parametric analysis during friction stir welding of dissimilar aluminum alloy	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4765	Experimental and Analytical Characteristics of FWP on Dissimilar Joints	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4783	Structural and Thermal Analysis on the Significance of Brake Disc Material and Design	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4787	Design of Eco-Friendly Smartphone Holder using Green composite	Structural and Solid Mechanics	25.03.2022	13.50 pm to 4.30 pm	
ICAME4630	Experimental Investigations on Mechanical and Wear Behavior of Waste Marble Dust and Coconut Fiber Reinforced Hybrid Bio Composites	Manufacturing	25.03.2022	13.50 pm to 4.30 pm	
ICAME4768	Analysis of cutting fluid on MQL by using Vegetable oil	Manufacturing	25.03.2022	13.50 pm to 4.30 pm	
ICAME4790	Fabrication and analysis of graphite based composite with polyester resin	Manufacturing	25.03.2022	13.50 pm to 4.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>Day 3 - FN</b>				
	Pleanery Session 3 Prof. T. DebRoy Professor of Materials Science and Engineering, pennsylvania state university, State College, PA 16801, United States	Machine learning based mitigation of defects in the additively manufactured metallic parts	26.03.2022	9:30- 10:00 AM (IST)	<a href="https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09">https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09</a>  Meeting ID: 938 5182 8261 Passcode: 791766
	Keynote Talk 5 Mr. Pradeep Chandrasekaran Associate Director, OLA ELECTRIC TECHNOLOGIES. PVT LTD.	ADVANCED MECHANICAL ENGINEERING SOLUTIONS FOR ELECTRIC VEHICLES)	26.03.2022	10:00 - 10:20 AM (IST)	<a href="https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09">https://zoom.us/j/93851828261?pwd=T24vazJaTWZkUlp3L1dhcDFiejNWdz09</a>  Meeting ID: 938 5182 8261 Passcode: 791766
	<b>SESSION 33</b>				
ICAME4463	Investigation of Battery Management System for Electric Vehicles Wireless Power Charger	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 <u>HALL:1</u>
ICAME4477	A Photovoltaic Powered Wireless Power Transfer Charging Station for Light-Duty Electric Vehicles	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4512	<i>Multi-Criteria Decision-Making (MCDM) for Material Selection of Shafts by using Analytic Hierarchy Process (AHP)</i>	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4530	Accuracy Prediction using Data-Driven Algorithm for Carbon Containing Compounds	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4560	Inter-Chamber Back Flow through the Transition Contacts in Epitrochoid Generated Star and Ring Hydrostatic Units	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4577	Dust Particle Properties and its Influence on PV Panel Performance	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4590	INTEGRATED MULTIPURPOSE DESK	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4622	A Systematic Way of using Preference Selection Index Algorithm for Selecting Suspension Coil Spring Material	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4638	POTENTIAL & APPLICATION OF FREEZE CONCENTRATION METHOD FOR URBAN WASTEWATER TREATMENT – A REVIEW	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	
ICAME4650	Comparison of numerical stability of Single component multiphase Pseudo-potential lattice Boltzmann models	Multidisciplinary	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 34</b>					
ICAME4690	Evaluation of Aluminium based Composite Material Reinforcement with TiC and TiO2	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 HALL:2
ICAME4696	Effect of Processing Route on the Mechanical and Tribological Behaviour of AA8011 Hybrid Composites	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4697	Exploration on various forging route performance of cast A356 alloy reinforced with flyash and MWCNT hybrid composites	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4711	EXPERIMENTAL STUDY ON COMPRESSIVE STRENGTH OF PERMEABLE CONCRETE WITH SHREDDED PLSTIC FIBER AND PLASTIC PELLETS	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4728	Investigation On Mechanical Behaviour of Glass Fiber Reinforced with Banana Slacks and Coconut Coir	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4754	Mechanical, wear, and microstructural examination of copper surface composites reinforced with SiC nanoparticles done by FSP.	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4784	AN EXPERIMENTAL STUDY ON THE STRUCTURAL BEHAVIOUR OF AIR ENTRAINED REINFORCED CONCRETE	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4694	Experimental study on Paver blocks using palm shell and coconut shell	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4708	Comparison of Hand Spray and Machine Spray Coating on H13 Tool Steel for Pressure Die Casting Mould Components	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4748	AN EXPERIMENTAL INVESTIGATION ON IMPROVEMENT OF CONCRETE SERVICEABILITY BY USING FERRO SIALATE BASED BACTERIAL CONCRETE DEVELOPMENT	Manufacturing	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 35</b>				
ICAME4718	Experimental Studies on Pervious Concrete Pavement Blocks Reinforced With Polypropylene Fiber	Material Science	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a> Meeting ID: 932 5675 9876 Passcode: 522606 HALL :1
ICAME4719	EXPERIMENTAL INVESTIGATION ON STABILIZATION OF CLAY SOIL USING SHREDDED RUBBER TYRE	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4721	MODELLING AND ANALYSIS OF ANCIENT HISTORICAL STRUCTURE UNDER THERMAL AND EARTHQUAKE CONDITIONS	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4732	Review on Strength and Durability Performance of Cenosphere and Flyash in Light weight concrete	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4733	Development of Plastbrick Using Plastic Wastes & Pet Bottles	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4741	Utilization of waste plastic and foundry sand in paver block	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4742	STUDY AND UTILIZING OF SELF-COMPACTING CONCRETE USING ENTIRELY REPLACED FINE AGGREGATES RECYCLED RUBBER	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4750	Numerical study on hollow and concrete infilled light gauge steel columns under elevated temperatures of ISO 834 fire	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4759	Steel Fiber on the Recycled Aggregate Hardened Properties of Concrete	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4761	Potential Usage of E waste as Tiles with Epoxy coating	Material Science	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 36</b>				
ICAME4510	Design and Fabrication of 3-Axis CNC Milling Machine using Additive Manufacturing	Manufacturing	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a> Meeting ID: 932 5675 9876 Passcode: 522606 HALL:2
ICAME4535	Variation Of Force Due to Co-Efficient of Friction in Deep Drawing	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4536	Effect On Deep Drawing Due to Change in Blank Thickness	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4539	Impact in product quality during deep drawing process due to change in blank holder force	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4541	Influence of various blank diameter in deep drawing	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4542	The prominence of blank material affecting the product output during the process of deep drawing	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4566	Electronic Properties of Surface Modified LiO thinfilms with H+ Implantation	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4592	A Review of Recent Literatures in Poly Jet Printing Process	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4641	An Overview of Cutting Fluids and Technology	Manufacturing	26.03.2022	10.25 am to 12.30 pm	
ICAME4693	A Study Review on effects on CBR value by using Geosynthetics	Manufacturing	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 37</b>					
ICAME4063	Experimental Investigation and Optimization of Micro-EDM Process Parameters for Machining of Multi Square Holes	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 <u>HALL: 1</u>
ICAME4324	Studies on Slicing of Silicon Ingot using W-EDM for Photovoltaic Applications	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4422	Optimization of process parameters on machining of Graphene reinforced with Magnesium based composite using Abrasive Jet Machine	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4511	EXPERIMENTAL INVESTIGATION AND EFFECT OF MACHINE PROCESS PARAMETERS ON COMPRESSIVE AND FLEXURAL STRENGTH OF FDM PRINTED PLA MATERIAL	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4534	Influence of nanoparticles on wear and surface roughness during machining of AISI-52100 steel	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4591	Experimental investigations on the ultrasonic vibration-assisted hard turning of AISI 52100 Steel using coated carbide tool	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4593	Comparative evaluation of PVD AlTiN coated-microblasted and MTCVD TiCN-Al <sub>2</sub> O <sub>3</sub> Coated Carbide tools during turning AISI 304 Stainless Steel	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4640	Numerical modeling of crater formation during electrical discharge machining of closed cell titanium foam	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4649	A review on machining of nickel alloys using nanofluids under minimum quantity lubrication (NFMQL)	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4661	Swirl cast with wire cut electric discharge machining for investigational purposes on Al-7075 of Al <sub>2</sub> O <sub>3</sub> with SiC	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 38</b>				
ICAME4462	Effect of Tungsten Carbide addition on the Microstructure and Mechanical behavior of Titanium Matrix with developed by Powder Metallurgy route	Material Science	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL :2
ICAME4567	Study of electrical conductivity and dielectric loss impedance spectroscopy of HAp nanorods	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4639	Mechanical and Micro Structure Analysis on River Sand Replaced with Quarry Dust in Self-Compacting Concrete	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4685	THERMAL ANALYSIS OF ALKALI ACTIVATION ON DURABILITY, MECHANICAL PROPERTIES, AND CHARACTERIZATION OF AIR-LIME MORTAR USING ALCCOFINE	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4686	Advantages of natural Phase change materials than artificial phase change materials	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4687	A novel natural trimyristic acid (TMA) from nutmeg/expanded graphite (EG) blended PCM for thermal energy storage in lime panels	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4689	Influence of Electronic waste and Fly ash in Strength and Durability properties of Concrete	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4700	INFLUENCE OF CORROSION INHIBITORS IN REINFORCED CONCRETE – A STATE OF ART OF REVIEW	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4702	THERMAL ANALYSIS OF ALKALI ACTIVATION ON DURABILITY, MECHANICAL PROPERTIES, AND CHARACTERIZATION OF AIR-LIME MORTAR USING ALCCOFINE	Material Science	26.03.2022	10.25 am to 12.30 pm	
ICAME4710	STUDY ON PAVER BLOCKS USING WASTE PLASTICS AND SUGARCANE BAGASSE ASH	Material Science	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 39</b>				
ICAME4492	PRODUCTIVITY ENHANCEMENT BY TIME STUDY ANALYSIS OF AN ASSEMBLY LINE IN AN AUTOMOTIVE INDUSTRY	Industrial Engineering	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:1
ICAME4509	Integrated Modified FMEA Approach with Industry 4.0 Technologies to Enhance Sustainability of Lean Systems	Industrial Engineering	26.03.2022	10.25 am to 12.30 pm	
ICAME4540	Indian ocean buoys	Industrial Engineering	26.03.2022	10.25 am to 12.30 pm	
ICAME4627	Optimization of a Layout of a plant for the Forklift Movement for a Maggie Plant	Industrial Engineering	26.03.2022	10.25 am to 12.30 pm	
ICAME4729	Risk Analysis based Selection of the Best Supply Chain using Gray Approach	Industrial Engineering	26.03.2022	10.25 am to 12.30 pm	
ICAME4532	Machine Learning-Based Classification and Prediction of Accident Influencing Factors in the Firework Industries	Manufacturing-Artificial Intelligence	26.03.2022	10.25 am to 12.30 pm	
ICAME4699	Evaluation of the Polyamide's Mechanical Properties for Varying Infill Percentage in FDM Process	Manufacturing-Machining	26.03.2022	10.25 am to 12.30 pm	
ICAME4359	Predicting the influence of Manufacturing Technique and fiber volume fraction on mechanical Properties of GFRP Composites	Manufacturing-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4749	RESILIENCE AND STURDINESS OF THE FOUNDRY AS A RESULT OF THE PARTIAL SUBSTITUTION OF CEMENT AND FINE AGGREGATE	Manufacturing	26.03.2022	10.25 am to 12.30 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 40</b>					
ICAME4136	Thermo-mechanical behaviour of SiC-based composites for Gas turbine engines	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:2
ICAME4271	Effect of Graphene on Self-healing Performance of Hydroxyapatite/polydimethylsiloxane Composites	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4470	Effect of fiber orientation on Mechanical Properties of Jute/Carbon/Glass Hybrid composite	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4502	Experimental Investigations on Mechanical and Water Absorption Properties of Epoxy Resin-Banana Fiber-Tamarind Seed Particles Hybrid Biocomposites	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4503	An Experimental Study on Compressive Properties of High Density Polyethylene-Nano Alumina-Groundnut Shell Hybrid Composites	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4514	Flexure and Interlaminar Shear Properties of Ramie/ Silk Fibre Epoxy Hybrid Composite	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4562	“INFLUENCE OF GRAIN SIZE IN THE STUDY OF WEAR BEHAVIOR OF TITANIUM CARBIDE FILLED GLASS FIBER REINFORCED EPOXY COMPOSITE”	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4565	Experimental studies of failure in L-shaped carbon fiber reinforced polymer composite under pull-out and four-point bending	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4581	Progressive Damage Analysis of Random Oriented Glass Fiber Reinforced Laminate under three-point bending test	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
ICAME4583	<i>Flexure and Interlaminar Shear Properties of Jute/ Kevlar Fibre Epoxy Hybrid Composite</i>	Material Science-Composite	26.03.2022	10.25 am to 12.30 pm	
<b>Day 3 - AN</b>					
	Keynote Talk 6 Dr. Palavesa Murugan R, PhD, FIE. Head Of Change Management at Ashok Leyland Chennai, Tamil Nadu	Indian Commercial vehicle Industry: Challenges and way forward - Manufacturing theme	26.03.2022	13:30-13:50 PM (IST)	<a href="https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09">https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09</a> Meeting ID: 983 2574 3491 Passcode: 460276

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 41</b>					
ICAME4588	Production of Polyethylene Composites Reinforced with Sisal and Jute fibres through Compression Molding	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a> Meeting ID: 963 9506 4901 Passcode: 414462 HALL:1
ICAME4589	Thermal and Mechanical properties of magnesium AZ91D/Aramid pulp composites	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4599	Mechanical Characterization and Frictional Wear Behavior Analysis on Nano Tungsten Carbide and Molybdenum Disulphide Particles Reinforced Aluminum 7075 Composite	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4602	Experimental Investigations on Tensile and Flexural Properties of Epoxy Resin Matrix Waste Marble Dust and Tamarind Shell Particles Reinforced Bio-Composites	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4618	Mechanical & Tribological Behavior of Al – Fly ash Composite	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4630	Experimental Investigations on Mechanical and Wear Behavior of Waste Marble Dust and Coconut Fiber Reinforced Hybrid Bio Composites	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4651	Investigation And Optimization Of Four Layered Aluminium Based Functionally Graded Material Reinforced With Copper, Nickel And Zinc Sterate	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4663	Investigation on the influence of fiber loading on the tensile behavior of Glass/Jute hybrid composites using ANSYS 17.1	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4666	A STUDY ON VETIVER FIBER AND LEMONGRASS FIBER REINFORCED COMPOSITES	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4678	Dynamic Analysis of Cantilever Beam used Carbon Fiber Composite for Aerospace Applications	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4680	Finite Element Analysis of Carbon Woven Fiber with Epoxy Sandwich Composite for Structural Analysis	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	
ICAME4682	An Investigation on the Mechanical Properties of Graphene Nano composite	Material Science-Composite	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 42</b>				
ICAME4671	PERFORMANCE ANALYSIS OF CUK AND LUO CONVERTER BASED PV MPPT ALGORITHMS	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09">https://zoom.us/j/96395064901?pwd=cDh2UXBuNUVZdkN0dHd6YUdKOEJ5dz09</a>  Meeting ID: 963 9506 4901  Passcode: 414462 <u>HALL:2</u>
ICAME4672	Electric Vehicle Motor, Converter, Controller and charging station with challenges and Configurations: Review	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4706	IMPORTANCE OF INCORPORATING NATIONAL WIDE STRATEGY FOR CALCULATING THE DWELL TIME OF BUS TERMINUS IN INDIA	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4714	DRIVER ENERVATION CONTROL AND VEHICLE CONTROL USING CAN TECHNOLOGY	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4737	Audio Steganography on Thermal Image using LSB and KT Algorithm Based Key Generation Technique	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4756	AN AUTOMATIC IRRIGATION SYSTEM USING IOT DEVICES	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4767	Study of hydro thermo mechanical properties of expansive soil treated with calcined clay to improve its strength and durability	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4362	A Critical Review on Lithium-ion Battery Fault Detection Techniques for Electric vehicle	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4457	An Isolated Multi-Port Bidirectional DC-DC Converter for EV Applications	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4459	A Three Port Bidirectional DC-DC converter for PV - Battery – DC Microgrid Application using Fuzzy Logic Control	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 43</b>					
ICAME4031	An Effective CNN based Model to Predict Performance Parameters of Centrifugal Pump with Nose cap	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  <b>Meeting ID: 932 5675 9876</b>  <b>Passcode: 522606</b> <b>HALL:1</b>
ICAME4040	Experimental and numerical studies on biodiesel Ternary fuel blends using Entropy TOPSIS method	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4048	Heat transfer performance of air-cooled pin-fin heat sinks – A review	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4163	Feasibility study of herringbone grooved journal bearing for high-speed automotive turbocharger using Ansys Fluent®	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4180	Performance Analysis of Lift-type Vertical Axis Wind Turbine in Different Guide Vanes in High Rise Tall Building	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4181	Evaluation of a new low-cost CO2 trapper material for the biodiesel fuelled diesel engine	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4196	Computational Study on Temperature Regulation of Solar PV Module with Phase Change Material	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4249	Recent Advanced Technology of Solar Cooling System	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4254	Experimental Investigation of Jatropha Oil blends on CRDI engine by varying fuel injection pressures	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4270	Performance of a novel catalytic material on a CI engine in emission mitigation	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4323	ADVANCE TECHNOLOGY OF HEAT TRANSFER THROUGH FINS	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4352	Influence of surfactants on the performance enhancement of water based gamma Al <sub>2</sub> O <sub>3</sub> phase change material for cool thermal energy storage system	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4368	Forced-air cooling of electronic components in electric vehicles	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 44</b>					
ICAME4438	Numerical Prediction of Effects of Bubble Size and Altitude on Subcooled Condensation of Vapor Bubble using a Eulerian Two-Fluid Phase Change Model	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09">https://zoom.us/j/93256759876?pwd=VmZ3U25uWnZkN015SkF6NUVHajltQT09</a>  Meeting ID: 932 5675 9876  Passcode: 522606 HALL :2
ICAME4446	Enhancing electrical conductivity of MoS2 by rGO on flexible substrate for thermoelectric application	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4479	Experimental investigation on the thermal performance of low-concentrated photovoltaic module using heat sink with phase change materials	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4515	Thermal performance enhancement of Solar CPC Collector for water heating applications	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4528	Study on the energy storage density of DI water-based nano-PCM in low-capacity cool thermal energy storage system	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4659	d-mannitol organic thermal energy storage PCM with silicon carbide Nano material for intermediate solar thermal energy harvesting for medium temperature application	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4660	PERFORMANCE OF SECONDARY LOOP REFRIGERATION SYSTEM WITH SECONDARY COOLANT	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4664	A review on recent research in Compound parabolic solar concentrator for domestic and industrial applications.	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4668	NO reduction in a diesel engine exhaust using Ceria Silica based synthesized catalyst	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4743	Analysis Of Air Distribution Duct Funnels: Computational Fluid Dynamics Approach	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4774	Performance Analysis of Dual Fuel Engine By Inducting Hydrogen Produced By Solar Energy	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 45</b>					
ICAME4007	Performance Evaluation of Laser Surface Textured Tools during Dry Machining of Aluminium Alloy AA2024	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL:1
ICAME4053	Experimental study and optimization of process variables in Multi-angular twist extrusion (MATE) of Cu-cr-zr alloy	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4353	Predictive modelling and machining analysis on drilling of Fiber metal laminates	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4428	Effect of Calcium Addition on the Foaming and Compressive Properties of LM25-Alloy and -Composite Melts	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4429	Modeling and Analysis of Metallic Foams for Heat Sink Application	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4433	Investigating the thermoelectric properties of PANI-gC3N4 nanocomposite for room temperature thermoelectric applications	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4435	Thermally oxidized MoS2/MoO3 heterostructures @ carbon fabric with amplified power factor for wearable thermoelectric application	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4436	Investigating the thermoelectric properties of p-type Polypyrrole/Polyaniline (PPy/PANI) nanocomposite for room temperature application	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4545	Investigations on the surface roughness of metal matrix composite during conventional and ultrasonic assisted turning	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4582	The effect of bush material property on the metal-polymer contact stress in knee megaprosthesis – an in silico study	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4587	Experimental analysis of friction and wear behavior of hybrid polymer composites	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4601	Analysis of cutting temperature during turning of SS 304 using uncoated and PVD coated carbide inserts	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4673	Study on mechanical and thermal characteristic of hybrid composites prepared from Kenaf and Basalt fiber reinforced in Poly Lactic Acid	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
	<b>SESSION 46</b>				
ICAME4674	Analysis of Microstructure and Mechanical Properties of Reinforced MgAZ31B produced by TIG cladding process	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/92568235004">https://zoom.us/j/92568235004</a> Meeting ID: 925 6823 5004 Passcode: 752134 HALL:2
ICAME4675	Drilling Induced Damage Assessment in GFRP under the Minimum Quantity Lubrication Using Taguchi Grey Relational Analysis	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4731	Sustainable Grinding of Titanium with CNT-CBN Grinding Wheels – A Comparative Analysis of Force Components.	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4738	Performance analysis of Autonomous UV disinfecting robot (UV bot) Using Taguchi Method	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4746	Influence of heat treatment process on mechanical and tribological properties of metal matrix composites of AA6082 T6 with Tin, Zinc and graphite	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4760	Microstructure and mechanical properties of stir cast AZ91D composites reinforced with boron carbide particles	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4763	STUDY ON GRAIN REFINEMENT USING FRICTION WELDING	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4772	Investigation on the effect of reinforcement concentration in different FRP composite rods	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 47</b>					
ICAME4476	Hydrogen Fuel Cell Powered Five Phase Permanent Magnet Motor Electric Vehicle Power Train	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:1
ICAME4504	Mechanical and thermal properties of sustainable concrete using paper waste	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4735	EFFECT OF ORGANIC INHIBITOR ON THE CORROSION BEHAVIOUR OF REINFORCED CEMENT CONCRETE	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4736	STRENGTH CHARACTERISTICS PROPERTIES OF PAPAYA LEAF EXTRACT AS GREEN CORROSION INHIBITOR IN CONCRETE	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4755	Development of IoT based SMART Fire Detection Sensor	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4786	SMES BASED DVR TO PERFORM VOLTAGE COMPENSATION IN TRANSMISSION LINE	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4230	Multidirectional Wear Simulator	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4274	SMART PORTER ROBOT	Manufacturing	26.03.2022	13.50 pm to 4.00 pm	
ICAME4383	A Hybridization of Super-lift LUO and Boost Converters for Electric Vehicle Charger	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4471	An Extended Boost Diode-Clamped Impedance Source Inverter for Electrical Vehicle Powertrain Motor Drive	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	
ICAME4797	Performance of a PV Module with Poly Methyl Methacrylate Filter	Multidisciplinary	26.03.2022	13.50 pm to 4.00 pm	

Paper ID	TITLE OF PAPER	Topic	Date of Presentation	Time of Presentation	Meeting link
<b>SESSION 48</b>					
ICAME4004	A review on performance and emission characteristics of biodiesel fuelled Reactivity controlled combustion ignition (RCCI)	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	<a href="https://zoom.us/j/91262705120">https://zoom.us/j/91262705120</a> Meeting ID: 912 6270 5120 Passcode: 466578 HALL:2
ICAME4450	Influence of doping MnCl <sub>2</sub> in Ce, Fe, Al lattice on its oxygen storage capacity to use as a synthesis catalyst for reducing emission in IC engine	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4481	Study on Freezing Behaviour of Composite PCM for Cold Thermal Energy Storage System	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4713	Reliability analysis of V trough Solar Air Heater with Thermal Storage using Hourly Average Solar Insolation Data	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4788	ANALYSIS OF PERFORMANCE CHARACTERISTICS AND EMISSION OF Lavender, D. Lemone and Orange Oil BIODIESEL ON SI DIESEL ENGINE	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4789	DATA ACQUISITION SYSTEM ANALYSIS OF NANO ADDITIVES INFLUENCE IN BIO DIESEL BLENDS IN CI ENGINE	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4795	BIOMASS BRIQUETTES FROM ARECA PLATE WASTE AND DE-OILED CASHEWNUT SHELL	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4802	Numerical Study on Different Receiver Configurations for a Solar Parabolic Dish Concentrator	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4805	A review on Hydrogen-Natural gas engines for sustainable mobility	Thermal systems	26.03.2022	13.50 pm to 4.00 pm	
ICAME4366	Computational Analysis on Heat Transferring ability of Elliptical Lithium-Ion cells for Different Working fluids	Heat transfer	26.03.2022	13.50 pm to 4.00 pm	
<b>Valedictory Function</b>			26.03.2022	16.00 TO 16.45 PM (IST)	<a href="https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09">https://zoom.us/j/98325743491?pwd=SVVEbjd4b3VxeHBIM2U2MXhVNXIvUT09</a> Meeting ID: 983 2574 3491 Passcode: 460276