

PARALLEL SESSIONS 1						
ROOM 1 Advanced Materials	ROOM 2 Sustainable Engineering	ROOM 3 Frontier Automotive Engineering	ROOM 4 Thermal and Fluid Engineering			
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Co-Chairman Imam Ul-Ferdous	Rahool Rai	Kumaresen Mohanaravi	Luqman Abdul Halim			
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1050-1235 IPC014 Structural Behavior of Prosthetic Lower Limbs Using AISI10Mg Material Based on Finite Element Analysis Under Different Loading Conditions	IPC043 Lumped parameter model for 2D Dynamics Vibration Absorber	IPC026 Optimizing Railway Safety By Analyzing Human Reliability Techniques – A Review	IPC052 Effect of Carbon Nanotube-Reinforced Polymer Fins in Compact Heat Exchanger			
1105-1120 IPC019 On the Influence of Thickness Non-uniformity on Mechanical Behaviour under Small Punch Load	IPC009 Extreme Learning Machine Optimization based on Hippopotamus Optimization Algorithm for Gear Fault Diagnosis	IPC006 Integration Of Artificial Neural Network (Ann) In Set Based Concurrent Engineering (Sbce) For Automotive Front Reinforcement Bumper Design	IPC007 Drying Model of Stingless Bee Pot-Pollen Using a Swirling Fluidized Bed Dryer			
1120-1135 IPC037 Optimization of Kerf Width in WEDM of Al-Si5%AIN MMC Using Taguchi Method and ANOVA	IPC058 Investigation of the Automatic Sorting Machine Based on PLC – Pneumatic System	IPC003 A Preliminary Study on Muscle Activation During Simulated Walk & Carry Task in Palm Oil Plantation	IPC011 The Influences of the Fluid Initial Temperature and Fluid Flow Rate to the Boiling Heat Transfer: A Short Review			
1135-1150 IPC031 Assessing the Impact Resistance and Damage Tolerance of Aluminium Composite Fibre Metal Laminates Under Low Velocity Impact Test	IPC051 Design and Performance Analysis of a Solar-Powered Aquaponics Irrigation System for Home Gardening	IPC029 Artificial Intelligence-Based Detection Of Unattended Child Presence In Vehicles	IPC048 Investigation of different compressor speeds to improve the performance of RAC system using hybrid nanolubricant			
1150-1205 IPC008 Enhancing Surface Hydrophobicity of AISI 304 Stainless Steel via Laser Texturing	IPC062 Cogen2Co: Oil Palm Biomass Cogeneration Designer Software	IPC005 Optimizing Weld Design Layout for Enhanced Crashworthiness	IPC017 Recent Progress of Nano-Cooling for Electric Vehicles Battery Thermal Management Systems: A Mini Review			
1205-1220 IPC036 Effect Of PVA/COL/HNT Hydrogel on Physicochemical Properties of PVDF/PPVA Electrospun Using Casting and Freeze-Thawing Method for Nerve Tissue Regeneration Application	IPC020 Evaluation of Work-Related Musculoskeletal Disorders (WMSDs) Among Manual Assembly Workers in Medical Device Manufacturing Industry	IPC050 Autonomous Driving Target Detection Based On Improved Yolov8	IPC013 Experimental study on heat transfer characteristics of a battery liquid-cooling system based on L-shaped oscillating heat pipe with nanofluids			
1220-1235 IPC015 The Application CRITIC-TOPSIS Method Integrated with PDCA Cycle in Solving Material Selection of Polymer Matrix material for Natural Fibre Composites	IPC028 Extreme Learning Machine Optimization Based On Eel And Grouper Optimizer For Gear Fault Diagnosis	IPC060 Engine Performance Analysis Using Rice Bran Biodiesel Fuel Blended	IPC056 Application of Laser-induced Fluorescence for Thickness and Temperature Measurement in Microchannel			
PARALLEL SESSIONS 2						
ROOM 1 Advanced Materials	ROOM 2 Sustainable Engineering	ROOM 3 Advanced Materials	ROOM 4 Thermal and Fluid Engineering			
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1240-1255 IPC057 Synthesis and Basic Characterization of Reduced Graphene Oxide Using Hummers' Method	IPC004 Comparison Of Conventional And Non-Conventional Manufacturing Processes For Production Of Motorbike Helmet – A Life Cycle Assessment Approach	IPC049 The Effect of Surface Modification and MDP-based Primer on the Shear Bond Strength of Novel Zirconia	IPC044 Development of an Energy-Efficient Electric Automotive Air-Conditioning (AAC) System Test Rig			
1255-1310 IPC041 Investigating the Influence of Laser Power and Particle Size on Necking Growth in Laser Melting Processes	IPC034 Evaluating the Impact of Steel Patch Reinforcements on Deflected I-Beams Using Experimental Testing and Finite Element Analysis	IPC018 Lightweight hybrid composite B-pillars for automotive applications; flexural performance evaluation	IPC063 Simulation of Nano Semiconductor Crystal Ceramic Quantum Dots for Enhanced Solar Heat Collection			
1310-1325 IPC053 Exploring the Barrier Function of Nickel in Lead-Free Solder Joints: Thickness and Aging Effects on IMC Formation	IPC025 A Study of Laser-induced Triangular Geometric Textures on Aluminum 6061	IPC061 Analysis and prediction of surface crack growth under fatigue loading	IPC040 Biodegradable and Green Degreaser for Industrial Application: An Overview			
1325-1340 IPC054 Mechanical Characterization of Welded P91 Steel		IPC065 Implementation And Validation Of The Cantes Electro's Vibration Reduction Mechanism	IPC059 The Recognition Of Unbalanced Failure Is Accomplished Through The Use Of A Recurrent Neural Network			