

PARALLEL SESSIONS 1				
	ROOM 1 Manufacturing and Materials	ROOM 2 Automotive and Transportation	ROOM 3 Energy and Sustainability	ROOM 4 Innovation and Technology Development
0900 - 1015	Chairman Profesor Madya Dr Mohd Fadzi Faisae B Ab. Rashid	Prof Madya Ir Ts Dr Devarajan A/L Ramasamy	Dr Sudhakar Kumarasamy	Ts Dr Mohamad Zairi B Baharom
	Co-Chairman Dr Aiman B Mohd Halli	Dr Muhammad Izhar B Ishak	Dr Farzad Jallilantabar	Dr Moinuddin Mohammed Quazi
	Secretary Secretariat	Secretariat	Secretariat	Secretariat
0900 - 0915	34 - Evaluation Of High Temperature Oxidation Of Modified Ductile Ni-Resist Alloy With Higher Manganese	87 - CFD analysis of damping characteristics of a hydraulic damper through geometrical modification and velocity variation (ONLINE)	20 - Organic Phase Change Materials As Thermal Energy Storage For Automated Solar Seawater Desalination System (ONLINE)	22 - Sambong (Blumea balsamifera) candy-making machine (ONLINE)
0915 - 0930	41 - Montmorillonite (Mmt) Nanoclay In Smart Coatings For Corrosion Protection: A Brief Review (ONLINE)	7 - A Review of Advanced Camless Technologies for Engine Performance Enhancement (ONLINE)	29 - Efficiency enhancement of parabolic trough solar collector using ZnO/water nanofluid (ONLINE)	23 - Development of Home Based In-door Plant Growing Control and Monitoring with Sound Generator (ONLINE)
0930 - 0945	9 - Monitoring Laser Weld Penetration Status From The Optical Signal	8 - Rice Bran Oil as Emerging Green Fuels: Exploration on Combustion Behavior of Single Cylinder Compression Ignition Engine	30 - Evaluation of stability and enhancement of Nano fluid methods (ONLINE)	55 - The Effectiveness of Coir Fiber and Bamboo Culm as a Sound Absorber (ONLINE)
0945 - 1000	33 - Microstructure Characteristic Of Aluminium 6061 Semi-solid Feedstock Billet Produced With Direct Thermal Method	3 - Droplet Evolution And Stability Of Water-In-Biodiesel Emulsion With Biosurfactant	39 - Numerical Simulation on VIV Energy Harvesting of Four Cylinders in Close Staggered Formation with Different Mass Ratios	16 - Development Of Semi-Automated Thinsert Mortar Scraper Machine With Tile Compartment (ONLINE)
1000 - 1015	6 - Dissimilar Weld Joint Performance Of Micro Friction Stir Spot Welding With Pin Less Shoulder	18 - Automated Alarm System and Speeding Detection on Overtaking Vehicles for Motorcycles (ONLINE)	54 - Exploiting the Potential of Oil Palm Frond Fibre in Recycled Pulp Blending for Improved Paper Strength and Sustainability	63 - Effect Of Laser Process Loops On The Hole Diameter And Hole Formation Of Laser Micro Drilling On Tc4
PARALLEL SESSIONS 2				
	ROOM 1 Manufacturing and Materials	ROOM 2 Automotive and Transportation	ROOM 3 Energy and Sustainability	ROOM 4 Innovation and Technology Development
1445 - 1600	Chairman Dr Mohd Fadhlan Bin Mohd Yusof	Dr Mohd Fadzi B Abdul Rahim	Dr Ahmad Fadzi Bin Sharol	Dr Nur Zalkha Bt Khallil
	Co-Chairman Ir Dr Asnul Hadi B Ahmad	Dr Mohamad Heerwan B Peeie	Dr Nor Atiqah Bt Zolpakar	Dr Salwani Bt Mohd Salleh
	Secretary Secretariat	Secretariat	Secretariat	Secretariat
1445 - 1500	78 - Spectral Analysis Of Fiber Bragg Grating Sensor On Glass Fiber Reinforced Polymer	31 - Optimization Of Exhaust Hanger Location Based On Updated FE Model Using Joint Modelling Strategy (ONLINE)	57 - Analyzing The Influence of Diameter and Winding on Heat Transfer Efficiency in Spiral Tube Heat Exchangers: A CAD-Integrated CFD Study Using Solidworks Flow Simulation (ONLINE)	13 - Design Of Automated Building Window Cleaner Using Arduino (ONLINE)
1500 - 1515	49 - Evaluation Of Modified Ductile Ni-Resist Alloy Solidification With Higher Chromium And Manganese (ONLINE)	28 - Progress, Risks, And Impacts Of The Evolution Of Autonomous Vehicles	59 - Investigation Of The Effect Of Copper Nanoparticle Deposition On Low-Carbon Steel Using Physical Vapor Deposition For Solar Cooling Application	11 - Design, Simulation, and Fabrication of Micro Wind Tree Turbine (ONLINE)
1515 - 1530	32 - Evaluation Of Yield Strength Under Small Punch Loading With Different Specimen Thicknesses	71 - Evaluating The Performance Of Agricultural Tractor Engine Using Cottonseed Oil Biodiesel	36 - Multi-Angle Swirling Fluidized Bed Drying Of Stingless Bees Pot-Pollen	26 - Vegetable Identification And Quality Classification For Exportation Standard Using Android Application (ONLINE)
1530 - 1545	19 - Effect Of Laser Parameters On Colour Marking Of Ti6Al4V Titanium Alloy	27 - Study on the impact behavior of stir-cast Al/SiC/Gr hybrid composites for automotive applications	60 - Non-Dominated Sorting Genetic Algorithm Iii (Nsga Iii): Solving Hybrid Flow Shop Scheduling With Energy Minimization Furniture Manufacturing Company	56 - Fabrication of Poly-Lactic Acid/Graphene Nanoplatelets (PLA/GNPs) Hybrid Biopolymer Composites using Fused Deposition Modelling: A Study
1545 - 1600	53 - Predicting Embedded Crack Growth Behaviour Using S-Version Finite Element Method Of AISi10Mg Material	17 - Parameters Estimation for Proton Persona using Trajectory Data from ROSBAG File	42 - Mathematical Modelling of Stingless Bee Honey Dewatering using Low Temperature Vacuum Drying with Induced Nucleation Bubbling	58 - Automated Mobile 5DOF Pick-and-Place Robot Manipulator for Library Textbooks (ONLINE)
PARALLEL SESSIONS 3				
	ROOM 1 Manufacturing and Materials	ROOM 2 Automotive and Transportation	ROOM 3 Energy and Sustainability	ROOM 4 Innovation and Technology Development
1615 - 1715	Chairman Profesor Madya Ir Dr Akhtar Razul Bin Razali	Dr. Mohamed Reza Zalani Mohamed Suffian	Profesor Madya Ts Dr Amir Bin Abdul Razak	Profesor Madya Dr Saiful Anwar Bin Che Ghani
	Co-Chairman Ts Dr Siti Rabiati Aisha Binti Idris	Mrs. Nur Azhari Binti Abd Razak	Dr Ahmad Fadzi Bin Sharol	Dr Nur Zalkha Bt Khallil
	Secretary Secretariat	Secretariat	Secretariat	Secretariat
1615 - 1630	1 - Modelling of multi-hole drilling with multiple tool dimensions	40 - Multi Response Optimization Of Plastic Injection Moulding Through Simulation Using Moldex3d (ONLINE)	50 - Bibliometric Analysis on research progress of Photovoltaic Thermal Systems in 21st Century	51 - FDM printed PLA/Coconut Wood Composite: Compression Characteristics and Parametric Optimization
1630 - 1645	44 - The Effect of Cooling Rate on Solidification Characteristics and Grain Structure of Al-9Si Cast Alloy	43 - Wireless HVAC Compressor Diagnostics Using State of the Art Machine Learning-based Signal Analysis 2-freq 2D	65 - Nano-Biofuel combustion generated soot investigation by microscopic and elemental analysis	52 - Design and Development of Semi-Precision Fused Deposition Modelling 3D Printer
1645 - 1700	45 - Analyze the effect of adding Al2O3 ceramic in Wire Arc Additive Manufacturing 308LSi Stainless Steel	85 - Study Effect Of Intake Air Temperature Toward Rcci Mode Engine Of Performance And Emission	75 - Delamination Assessment Via Acoustic Waves Propagation And Optical Sensor Network	61 - Effect of Natural Fibers of the Horizontal Axis Wind Turbine Blade on its Mechanical Behavior (ONLINE)
1700 - 1715	2 - Effect of heat input on the weld geometry, distortion, and peel strength on pulsed laser wobbling of SS304 foils	37 - Study Of Bus Kite Pheb Power Requirement Using Mybus Driving Cycle In Kuala Terengganu (ONLINE)	77 - Experimental Study Effect Of Resonator Parameter Upon The End Correction For Quarter Wavelength Resonator Tube	83 - Determination Of Tool Wear Of Drilling Process Of Aluminium 6061 And Brass C3604 By Using CNC Robotmill Machine