PARALLEL SESSION PRESENTATION SCHEDULE

THE 6TH INTERNATIONAL CONFERENCE ON AUTOMOTIVE INNOVATION & GREEN ENERGY VEHICLE 2024 (AiGEV 2024)

Session 1 (Physical)
2.00pm – 3.20pm
17th September 2024 (Tuesday)
Hall Irama 7, Level M
The Everly Hotel, Putrajaya, Malaysia

Category: Automotive Engineering
Chairperson: Assoc. Prof. Dr. Januar Parlaungan Siregar

TIME	PAPER ID	TITLE
2.00pm	P30	Monte carlo hyper-heuristics optimisation for energy management strategy (ems) of hybrid electric vehicle
2.10pm	P03	Rapid Transit Train Tapered Roller Bearing Failure Evaluation based on Grease Leakage Incident
2.20pm	P06	Evaluation of Light Duty Truck Electrification in Klang Valley Malaysia
2.30pm	P15	Effects of adding different concentrations of TiO2 nanoparticles to POE lubricants on automotive air conditioning performance
2.40pm	P18	Performance and Vibration Analysis of FAl2O3-POE in Hybrid Electric Vehicle Air-Conditioning System
2.50pm	P23	Integrating Electric Vehicle, PV, and Cryptocurrency Mining: A Real-Time Energy Management Model for Sustainable Urban Energy Systems
3.00pm	P24	Optimizing Rear Strip Spoiler Design for Perodua Myvi's Aerodynamics
3.10pm	P28	Modelling and verification of 22-DOF four-axle vehicle dynamics model

Note: Maximum 10 minutes' presentation duration (8 minutes for oral presentation and 2 minutes for question & answer).

PARALLEL SESSION PRESENTATION SCHEDULE

THE 6TH INTERNATIONAL CONFERENCE ON AUTOMOTIVE INNOVATION & GREEN ENERGY VEHICLE 2024 (AiGEV 2024)

Session 2 (Physical)
3.30pm – 5.00pm
17th September 2024 (Tuesday)
Hall Irama 7, Level M
The Everly Hotel, Putrajaya, Malaysia

Category: Renewable Energy
Chairperson: Assoc. Prof. Dr. Sudhakar Kumarasamy

TIME	PAPER ID	TITLE
3.30pm	P13	The Use of Green Energy Fuel of Used Cooking Oil from Malaysia to Reduce the Pollution of a CI Engine
3.40pm	P14	Maximizing Solar Efficiency: A First Law Analysis of Hybrid Cooling Techniques for Photovoltaic Modules
3.50pm	P21	Performance Analysis of Tubular Solar Still With Energy Storage Material Encapsulated in Repurposed Aluminum Soda Cans
4.00pm	P22	Assessment of Explicit Water Depth in the Basin for Augmented Performance of Solar Stills in South Indian Climatic Conditions
4.10pm	P25	Rheothermal performance analyses of CNP/GNP-Therminol 55 Nanofluid for Heat Transfer
4.20pm	P31	Sustainable Energy Solutions: Assessing Floating Solar Energy Generation in UK and Malaysian Lakes
4.30pm	P32	Evaluating Hydrogen Fuel Cell Efficiency for Residential Applications: The Impact of Water Source and Quality on Hydrogen Production
4.40pm	P33	Analysis of Battery Thermal Management System using Computational Fluid Dynamics
4.50pm	P36	Power Quality Improvement of Grid Connected Renewable Energy systems

Note: Maximum 10 minutes' presentation duration (8 minutes for oral presentation and 2 minutes for question & answer).

PARALLEL SESSION PRESENTATION SCHEDULE

THE 6TH INTERNATIONAL CONFERENCE ON AUTOMOTIVE INNOVATION & GREEN ENERGY VEHICLE 2024 (AiGEV 2024)

Session 3 (Online)
2.00pm – 3.30pm
17th September 2024 (Tuesday)

Category: Automotive Engineering, Renewable Energy and Mechanical Engineering
Chairperson: Ir. Ts. Dr. Muhammad Yusri Bin Ismail
MSTeams Link: https://l1nk.dev/AiGEV2024-MSTeamOnlinePresentation

TIME	PAPER ID	TITLE
2.00pm	P04	Performance Evaluation of Heat Pipe and Phase Change Material for Thermal Management on Electric Vehicle Battery Temperature
2.10pm	P10	Verification and Validation Framework for Scenario-Based Safety Testing of Autonomous Vehicle using Digital-Twin Based Testing
2.20pm	P11	Development of Product Data Exchange System by Interchange Design Module for Pharmaceutical Packaging Machines
2.30pm	P20	Development of Electric Motorcycle with Retrofit Method
2.40pm	P26	Rider's Head Injury Risks in Relation to Motorcycle Designs in Side Crashes with Car
2.50pm	P27	Evaluation of Combustion Dynamics and Emission Control in Turbocharged DI Engines Using Ethanol-Gasoline Blends
3.00pm	P29	Sustainable Solar Drying for Groundnuts: Efficiency and Performance Analysis
3.10pm	P35	Design and analysis of 3D printed models for strength and durability in biomechanics applications

Note: Maximum 10 minutes' presentation duration (8 minutes for oral presentation and 2 minutes for question & answer).