

“INTERNATIONAL CONFERENCE ON PROGRESSES IN AUTOMOTIVE TECHNOLOGIES 2025” 25 – 26 December 2025, Istanbul Medeniyet University

25 December 2025	Presenter	Title	Talk	ID
08:00-09:30	Registration	Registration		
09:30-09:45	Protocol	Greeting Speech	Inv. Speaker	
09:45-10:00	Prof. Dr. Hasan Köten	Opening Speech - The Future of Automotive Industry and Sample Case for Engine Design - Chair	Inv. Speaker	
10:00-10:15	Prof. Dr. Doğan Aydal	Challenges in the Electric Vehicle Market: Turkey and the Global Perspective	Inv. Speaker	ICPAT234
10:15-10:30	Dr. Emre Cenker	Usage of hydrogen or methanol fuels under different injection strategies for combustion engines	Inv. Speaker	ICPAT235
10:30-11:00	BMC - Mesut Körpe	Enhancement of an Inline 6 Cylinder Diesel Engine Power Rating for Marine Application By Optimizing Turbocharger Performance Map	Inv. Speaker	ICPAT236
11:00-11:20	TUBITAK - Ahmet Yaylı	Internal combustion engine design and parametric design methodology	Inv. Speaker	ICPAT237
11:20-11:40	Prof. Dr. Mustafa Habib	Towards Higher Efficiency for Internal Combustion Engines	Inv. Speaker	ICPAT238
11:40-12:00	TÜMOSAN-Dr. Cihan Büyük	Local heavy-duty internal combustion engine production and marine applications	Presenter	ICPAT239
12:00-13:00	BREAK	BREAK		
13:30-13:45	Prof. Dr. Bayram Altan	Local combustion engine production and technologic independency in Türkiye	Presenter	ICPAT244
13:45-14:00	Özcan Güleçin	Production of indigenous combustion engine and challenges	Presenter	ICPAT245
14:00-14:25	Kaan Güvenir	Internal combustion engine technology and local novel production	Inv. Speaker	ICPAT246
14:25-14:40	BAYKAR-Hasan Tuna	Engine design processes can be involved in aviation	Inv. Speaker	ICPAT247
14:40-15:00	Dr. Norhidayah Mat Taib	Injection–Ignition Timing Optimization for Hydrogen Direct Injection to Reduce NOx Emissions in Spark Ignition Engines	Presenter	ICPAT248
15:00-15:15	Bilal Kaya	Advanced railway technology alternative to automotive highways	Presenter	ICPAT249
15:15-15:30	Sait Büyükkaya	Applications of topology optimization in the automotive Industry	Presenter	ICPAT250
15:30-15:45	BREAK	BREAK	Presenter	
15:45-16:00	Seyed Milad Mostafavi	Thermal Investigation of a Novel Compact And High-Efficiency Rotary Engine	Presenter	ICPAT251
16:00-16:15	Prof. Muhammad Sultan	Thermally Driven Heat Pump Systems for Automotive Air-Conditioning Using Engine Waste Heat	Presenter	ICPAT252
16:15-16:30	Prof. Hakan Soyhan	Fire Safety in Electric Vehicle Batteries and R&D in Automotive Industry: Turkish View	Presenter	ICPAT253
16:30-16:45	Senthil Raja	Critic – toposis based evaluation of phase change material for photovoltaic – thermal collector based hydrogen production system	Presenter	ICPAT254
16:45-17:00	Dr. Abhishek R. Mehta	Reinforcement learning for automated negotiation in cyber peacekeeping protocols for electric vehicle	Presenter	ICPAT255
17:00-17:15	Özlem Boydak	An Investigation About Innovative Advances In Modern Car	Presenter	ICPAT256
17:15-17:30	Uneke L. A.	A New Design Equation for Automotive Industry	Presenter	ICPAT257
17:30-17:45	Kubilay Güner	AI Application on Internal Combustion Engine Design	Presenter	ICPAT258
17:45-18:00	Mohammad Mustafa Namar	AI Application in Automotive Industry	Presenter	ICPAT259

26 December 2025	Presenter	Title	Talk	ID
10:00-10:30	Prof. Dr. Mustafa Abid	Heat Pump Systems for New Generation Electric Vehicles	Inv. Speaker	ICPAT260
10:30-11:00	Khushee Modi	Hybrid Cloud–Edge Ecosystems for Intelligent Distributed Computing in Next-Generation Automotive Technologies	Inv. Speaker	ICPAT261
11:00-11:30	Prof. Honey Parmar	Reinforcement learning for automated negotiation in cyber peacekeeping protocols for electric vehicle	Inv. Speaker	ICPAT262
11:30-11:45	Rahmouni K.	Safety Considerations and Technological Pathways for Electric Vehicles, Hydrogen Combustion, and Low-Temperature Combustion Engines	Presenter	ICPAT263
11:45-12:00	Hafiz Muhammad Asfahan	Study on engine waste-heat recovery for automobile air-conditioning	Presenter	ICPAT264
12:00-13:00	BREAK	BREAK		
13:00-13:15	Bilal Anwar	DESIGN AND FABRICATION OF SOLAR HEAT CELL USING PHASE CHANGE MATERIALS	Presenter	ICPAT265
13:15-13:30	Muhammad Azhar Hussain	Enhancement in Thermal Energy Storage using Encapsulated Phase Change Material	Presenter	ICPAT266
13:30-13:45	Prof. Hua Zhao	Recent Development and Future of Automotive Powertrain and Their Fuels	Presenter	ICPAT267

13:45-14:00	Kamil Koçak	Optimization of Impact Mitigation Using Origami Based Metamaterials	Presenter	ICPAT268
14:00-14:40	Dr. Abhishek Mehta	Computer Vision–Powered Real-Time Safety Equipment Detection System for Automotive Technologies	Inv. Speaker	ICPAT269
14:40-15:00	Çağatay Emre Ayhan	Underhood Thermal Analysis of a Heavy Commercial Vehicle with OpenFOAM	Presenter	ICPAT270
15:00-15:15	Soumya Das	Smart Automotive Vehicles: Intelligent Systems, Connected Technologies, and Real-Time Decision Making	Presenter	ICPAT271
15:15-15:30	N. Kamakshi Lakshmi Bhai	Understanding Artificial Intelligence and Machine Learning: Principles, Models, and Innovations in Automotive Technologies	Presenter	ICPAT272
15:30-15:45	Dr. Fatih Mehmet COŞKUN	A Multi-Scale Graph Neural Network Framework for Automated Modal Analysis of Multi-Point Vibration Spectra	Presenter	ICPAT273
15:45-16:00	Tanisha M.	Blockchain-Driven Cyber Defense: Quantitative Analysis of Security, Performance, and Threat Mitigation in Automotive Technologies	Presenter	ICPAT274
16:00-16:15	MUTHUVEL ARUMUGAM	Development of Automated Ground Vehicle for Medical and Commercial application	Presenter	ICPAT275
16:15-16:30	Kedaifa Soumia	Modeling and design of an intelligent controller	Presenter	ICPAT276
16:30-16:45	Samire Yazar	METHOD OF DEVELOPING A MATHEMATICAL MODEL FOR AERODYNAMIC FORCES AND MOMENTS ACTING ON ROAD-VEHICLES	Presenter	ICPAT277
16:45-17:00	Special events	Collaborations National Funds		
17:00-17:15	Special events	Collaborations International Funds		
17:15-17:30	Special events	Collaborations Bilateral Events		
17:30-17:45	Closing Speech from the Conference President and Technical Tour			