

POSTER SESSIONS

FRIDAY 11TH SEPTEMBER 2026

Time slot (4 min. pitch)		POSTER SESSION 3	Chairpersons: Marcos Carreres, Benjamín Plá, Pedro Quintero UPV, Spain
14:30h	25	Study on the Impact of PODE₃ Reduced Mechanism on Spray Combustion Simulation (PP) Wei Li ¹ , Ziying Zhang ¹ , Tiemin Xuan ¹ , Zhixia He ² , Qian Wang ¹ , R. Payri ³ ¹ School of Energy and Power Engineering, Jiangsu University, China ² Institute for Energy Research, Jiangsu University, China ³ Universitat Politècnica de València, Spain	
14:34h	26	Cycle-by-Cycle Thermodynamic Analysis of a Euro 6 Diesel Engine Tested Under Transient Operation with Two Sustainable Paraffinic Fuels (PA) S. González-Ruiz, R. García-Mail, S. Carrasco-Sánchez, O. Armas, J.A. Soriano, L. Sánchez, P. Fernández-Yáñez Universidad de Castilla-La Mancha, Spain	
14:38h	27	Analysis of Fuel Composition Effects on Ion Current Signals with Varying Ignition Timing under Gasoline-Gas Co-Combustion in a Spark Ignition Engine (PA) K. Yasuda, K. Hayashi, Y. Yamasaki The University of Tokyo, Japan	
14:42h	28	Predictive Simulations of Gaseous and Two-Phase Injection of Renewable Fuels in IC Engines (PP) H.G. Im, M.R. Shakeel, X. Liu, A. Zaihi, R. Menaca, P. Chen, A. Marzooq King Abdullah University of Science and Technology, Saudi Arabia	
14:46h	29	Mechanisms of Combustion-Induced High-Frequency Pressure Vibrations in Spark-Ignition Engines (-) T. Kuboyama Chiba University, Japan	
14:50h	30	Recent Advances on Research into Wankel Rotary Engines (-) G. Vorraro, H. G. Im, J.W.G. Turner King Abdullah University of Science & Technology, Saudi Arabia	
14:54h	31	Performance Analysis and Model-Based Optimization of Compression Ignition Engine fed with HVO/Diethylene Glycol Diethyl Ether Fuel Blends (PP) A. Foglia ¹ , D. Cervone ¹ , C. Pianese ¹ , I. Arsie ² ¹ University of Salerno, Italy ² University of Naples "Parthenope", Italy	
14:58h	32	Cost-efficient PFI SI CNG-ICE for Mobile Applications: Coordinated Fuel-Airpath Control Concept Using Innovative Cycle-By-Cycle Air Flow Measurement and Control Component for Minimized Aftertreatment (PP) O. Bikas ² , P. van Gompel ³ , E. Plekkepoel ² , G. Bikas ¹ ¹ Ohm Technische Hochschule Nürnberg, Germany ² EPR-Mobility Sarl, Luxembourg ³ TNO, The Netherlands	

