



June 12-13 - Politecnico di Torino

Parallel Session - Alternative Fuels and E-Fuels

- Potentials to Reduce Emissions in Heavy-duty Diesel Engines by Using Alternative Fuels and Advanced Combustion Modes, **K. Cung - Southwest Research Institute**
- Effects of chemical and physical properties of drop-in fuels on combustion and emissions of heavy duty diesel engines, **Y. Hatano - Waseda University**
- Environmental Sustainability of low/free - carbon fuels for SI engines: methanol, methane and hydrogen, **F. Catapano - STEMS-CNR**
- NG Engines Technologies to Enable Road Transport Decarbonization, **S. Golini - FPT Industrial SpA**
- Comparison Of the Effects of Renewable Fuels on The Emissions of a Small Diesel Engine for Urban Mobility, **O. Chiavola - Rome TRE University (Paper#2024-37-0019)**
- A Numerical Study of the Laminar Flame Speed of Hydrogen/Ammonia Mixtures under Engine-like Conditions, **F. Bochicchio - Università degli Studi della Basilicata (Paper#2024-37-0020)**
- Exploring methanol and naphtha as alternative fuels for a hybrid-ICE battery-driven light-duty vehicle, **E. Iñiguez - Universitat Politècnica de Valencia (Paper#2024-37-0021)**
- Experimental Study of Lignin Fuels for CI Engines, **M. Terauchi - Technical University of Denmark (Paper#2024-37-0022)**
- Experimental Assessment of Drop-in Hydrotreated Vegetable Oil (HVO) in a Medium-Duty Diesel Engine for Low-emissions Marine Applications, **C. Cosseddu - DUMAREY Automotive Italia SpA (Paper#2024-37-0023)**
- Evaluation of an optimal engine configuration for a SI Engine Fueled with Ethanol for Stationary Applications, **D. Perrone - Università della Calabria (Paper#2024-37-0024)**
- Influence of Intake Charge Temperature and EGR Rate on the Combustion and Emission Characteristics of Ammonia/Diesel Dual-Fuel Engine, **M. H. Ferdowsi - University of Mashhad (Paper#2024-37-0025)**
- Development of a Hybrid-Electric Medium-HD Demonstrator Vehicle with a Pent-Roof SI Natural Gas Engine, **J. Wallace - Southwest Research Institute (Paper#2024-37-0026)**
- Sustainable Fuels for Long-Haul Truck Engines: a 1D-CFD Analysis , **A. Volza - Università di Modena e Reggio Emilia (Paper#2024-37-0027)**