



June 12-13 - Politecnico di Torino

Parallel Session - Aero & Thermal Management

- Validation of Boiling Model via correlation with Coolant Deposits, **M. Bovo - Aurobay**
- Numerical Assessment of the Potential of CO₂ as a Refrigerant for Electrified Powertrain Thermal Management System., **L. Rolando - Politecnico di Torino**
- Evaluation of a Combined Cooling/HVAC System for Electric Heavy Quadricycles under Different Conditions, **D. Chiappini - Universita' degli Studi Niccolo' Cusano**
- PFAS-free Thermal Management System with R290, **C. Massano - DENSO Thermal Systems SpA**
- Development and Validation of a Thermal Model for Passenger Car Cabin Temperature and Mobile Air-Conditioning Cooling Loads, **G. Fontaras - European Commission Joint Research Centre**
- Comparison of Performance and Efficiency of different Refrigerants at high load Conditions and their Impact on CO₂eq Emissions, **C. Macrì - Daikin Chemical Europe GmbH (Paper#2024-37-0029)**
- Optimization of a Sliding Rotary Vane Pump for Heavy Duty Internal Combustion Engine cooling, **F. Fatigati - University of l'Aquila (Paper#2024-37-0030)**
- R290 HP-Module for Electric Vehicles, **A. Pogorelov - Rheinmetall - Division Power Systems (Paper#2024-37-0031)**
- Design of a Decentralized Control Strategy for CACC Systems accounting for Uncertainties, **A. Seifoddini - Politecnico di Torino (Paper#2024-37-0010)**