

OCTOBER 5TH, 2020

09:00-09:30	Opening Ceremony Gino Bella, University of Rome Tor Vergata & Cesare Pianese, University of Salerno	
Conventional Vehicles Chairman: Stefano Fontanesi, Università di Modena e Reggio Emilia		
09:30-10:15	Keynote TBC - TBD	
10:15-10:35	Gilbert Sammut, <i>Jaguar & Land Rover</i>	2020-24-0004 Simulation Study on the Use of Argon Mixtures in the Pressurized Motored Engine for Friction Determination
10:35-10:55	Gilbert Sammut, <i>Jaguar & Land Rover</i>	2020-24-0009 A Simulation Study Assessing the Viability of Shifting the Location of Peak In-Cylinder Pressure in Motored Experiments
10:55-11:15	Francesco Duronio, <i>Università degli Studi dell'Aquila</i>	2020-24-0010 CFD Numerical Reconstruction of the Flash Boiling Gasoline Spray Morphology
11:15-11:35	Luca Petrucci, <i>Università degli Studi di Perugia</i>	2020-24-0005 Engine knock evaluation using a machine learning approach
11:35-12:00	Coffee Break	

Alternative Powertrains Chairman: Alessandro d'Adamo, Università di Modena e Reggio Emilia		
12:00-12:20	Paolo Sementa, <i>Istituto Motori CNR</i>	2020-24-0013 Turbulent jet ignition Effect on Exhaust Emission and Efficiency of a SI Small Engine Fuelled with Methane and Gasoline
12:20-12:40	Luigi Sequino, <i>Istituto Motori CNR</i>	2020-24-0014 Thermal Imaging of a Li-Ion Battery for the Estimation of the Thermal Parameters and Instantaneous Heat Dissipated
12:40-13:00	Simone Lombardi, <i>Niccolò Cusano University</i>	2020-24-0015 Retrofit of a Heavy-Duty Diesel Truck: Comparison of Parallel and Series Hybrid Architectures with Waste Heat Recovery
13:00-14:15	Lunch	
Alternative Powertrains Chairman: Nicolò Cavina, Università di Bologna		
14:15-15:00	Keynote Mehrnaz Farzam Far, VTT - A journey towards mass production of electric/hybrid vehicles with efficient and compact integrated modular drivetrains	
15:00-15:20	Giovanni Di Ilio, <i>University of Naples "Parthenope"</i>	2020-24-0011 Performance Evaluation of Extended-Range Electric Vehicles equipped with Hydrogen-Fueled Rotary Engine
15:20-15:40	Emiliano Pipitone, <i>University of Palermo</i>	2020-24-0012 Steady state performance of spark ignition engines endowed of exhaust energy recovery
15:40-16:00	Alessandro D'Adamo, <i>di Modena e Reggio Emilia</i>	2020-24-0016 Numerical Simulation of a High Current Density PEM Fuel Cell

OCTOBER 6TH, 2020

Smart Mobility

Chairmen: **Rafal Asorey Cacheda**, *Universidad Politécnica de Cartagena* & **Antonio Puliafito**, *University of Messina*

10:00-10:45	Keynote Antonio Puliafito , <i>University of Messina</i> - TBD	
10:45-11:05	Giovanni Amos Blandina , <i>EasyRain</i>	2020-24-0019 An Active Safety System Able to Counter Aquaplaning, Integrated with Sensorized Tires, ADAS and 5G Technology for Both Human-Driven and Autonomous Vehicles
11:05-11:25	Martina Fazio , <i>University of Catania</i>	2020-24-0020 Combining GPS-Tracks and Accident Data to Improve Safety of Cycling Paths
11:25-11:45	Tiziana Campisi , <i>University of Enna Kore ITALY</i>	2020-24-0021 The Evaluation of Car Sharing Service Attributes to Raise Acceptance of Electric Vehicles: Evidences from an Italian Survey Among University Students
11:45-12:05	Coffee Break	
Smart Mobility		
Chairmen: Rafal Asorey Cacheda , <i>Universidad Politécnica de Cartagena</i> & Antonio Puliafito , <i>University of Messina</i>		
12:05-12:25	Paolo Delle Site , <i>Niccolò Cusano University</i>	Oral Only Pricing of connected and autonomous vehicles in mixed traffic networks
12:25-12:45	Carlo Scaffidi , <i>Università degli studi di Messina</i>	2020-24-0017 SCiNaS: A Smart City-driven Navigation System to Catch Green Waves
12:45-13:05	Daniele Beltrami , <i>University of Brescia</i>	2020-24-0018 Modelling of a 15 kW electric utility vehicle and range assessment through driving cycle analysis based on GPS experimental data
13:05-14:30	Lunch	

Transmissions & Driveline

Chairmen: **Francesco Vivio**, *University of Rome Tor Vergata* & **Pierluigi Fanelli**, *Università della Tuscia*

14:30-14:50	Alessandro Fauda , <i>BOSCH VHIT</i>	2020-24-0022 Innovative Electric Oil Pumps For Different Automotive Applications
14:50-15:10	Mattia Bonci , <i>Maserati S.p.a. Innovation Lab</i>	2020-24-0023 An Analytical Procedure to Analyse Efficiency, Cooling and Thermal Management of a BEV Sport Car Transmission
15:10-15:30	Eduard Beresch , <i>Schaeffler Technologies AG & Co. KG</i>	2020-24-0024 Determination of Energy-Saving Potentials By Reducing The Rolling Bearing Friction In The Tractor Drive Train

OCTOBER 7TH, 2020

Conventional Vehicles Chairman: Daniele Chiappini, *Unicusano*

Keynote		
09:30-10:15	Alberto Vassallo , <i>Punch Torino SpA</i> – Why Diesel? The Contribution Of Compression Ignition Engines To Sustainable Mobility	
10:15-10:35	Loris Ventura , <i>Politecnico di Torino</i>	2020-24-0002 Intake O2 Concentration Estimation in a Turbocharged Diesel Engine through NOE
10:35-10:50	Guido F. Scocozza , <i>University of Bologna</i>	2020-24-0003 Experimental Investigation on the Effects of Cooled Low Pressure EGR and Water Injection on Combustion of a Turbocharged GDI Engine
10:55-11:15	Botond Csontos , <i>KTH Royal Institute of Technology</i>	2020-24-0006 Factors influencing the formation of soft particles in biodiesel
11:15-12:35	Arun Prasath K , <i>KTH Royal Institute of Technology</i>	2020-24-0007 On the effects of Turbocharger on Particle Number and Size Distribution in a Heavy - Duty Diesel Engine
12:35-12:55	Alessandro Brusa , <i>University of Bologna</i>	2020-24-0008 Development and Experimental Validation of a Control-Oriented Empirical Exhaust Gas Temperature Model
Closing Ceremony		
12:55-13:15	Gino Bella , <i>University of Rome Tor Vergata</i> & Cesare Pianese , <i>University of Salerno</i>	