

MAIN TOPICS
for the
42nd INTERNATIONAL VIENNA MOTOR SYMPOSIUM
28–30 April 2021 at the Vienna Congress Center Hofburg

Vienna
Motor
Symposium
2021

1) Latest Results in Worldwide Engine and Powertrain Development:

- Gasoline and Diesel Engines for Passenger Cars, Engines for Commercial Vehicles, Large Engines, High Performance Engines, Special Engines, Gas Engines (CNG, H₂)
 - Combustion, Thermodynamics and Process Control for Maximum Efficiency, Mixture Formation
 - Injection, Ignition, Charging, Valve Control, Variable Compression
- Gearbox Innovations, Dedicated Hybrid Transmissions
- Dedicated Hybrid Powertrains
- Engine Concepts for Hybrid Drives and Range Extender

2) Fuel Cell, Hydrogen and Infrastructure:

- Innovative Electrolysis Technologies, Green Hydrogen
- Innovations in Fuel Cells and H₂ Combustion Engines
- Hydrogen Storage Technologies

3) Renewable Fuels (E-Fuels):

- Applications and Results
- Production Methods and Processes

4) Energy Storage Technologies / New Battery Technologies:

- Battery Development, Lifetime, Second Life and Recycling
- Charging Infrastructure

5) Drivetrain Electrification / Hybrid Technologies / E-Platforms:

- Effects of Electrification on Future Combustion Engines and their Components
- Electric and Electrified Powertrains for Passenger Cars, Busses and Commercial Vehicles
- Energy- and Thermal Management
- Vehicle Architecture for Alternative Powertrains
- Hybridization, Powertrain Management

6) CO₂ Reduction and Fleet Consumption / Life Cycle Analysis for Drivetrain Technologies:

- Mobility 2050: CO₂ free → Defossilization
- European Climate Targets and Measures in Transport / Vehicle Technology

7) Exhaust Emission Control and New Legislation:

- Zero Impact Emissions, Exhaust Aftertreatment for New Worldwide Legislation
- New Emission Regulations Worldwide (EU, America and Asia)

8) Autonomous Driving / Connectivity:

- Future Mobility and Vehicle Concepts

9) New Topics:

- Structural Change in the Automotive Industry
 - New Market Players vs. Traditional Automobile Manufacturers
 - Change in the Value Chain
 - Future Role of Automotive Supplier Companies
- Cross-Company Cooperations in the Automotive Industry
 - Case Studies, Frameworks, Future Cooperations
 - Joint Developments / Production of Future Technologies
 - Success Criteria
- Development Methods / Test Methods / Test Bench Equipment
 - Agile Methods and Processes
 - Digital Development and Testing
 - From Road to Rig
 - Innovative Test Bed Systems and Measuring Technologies

Please submit your presentation proposals by 30 September 2020 to

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