

MAIN TOPICS
for the
43rd INTERNATIONAL VIENNA MOTOR SYMPOSIUM
(International Automotive & Powertrain Conference Vienna 2022)
27 - 29 April 2022 at the Hofburg Conference Centre Vienna

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

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

2) 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, Dedicated Hybrid Transmissions
- Engine Concepts for Hybrid Drives and Range Extenders

3) Energy Storage Technologies / New Battery Technologies:

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

4) Fuel Cell, Hydrogen and Hydrogen Infrastructure:

- Innovative Electrolysis Technologies, Green Hydrogen
- Fuel Cell and H₂ Combustion Engine innovations
- Hydrogen Storage Technologies

5) Renewable Fuels (E-Fuels):

- Applications and Results
- Production Methods and Processes

6) 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

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:

- Systems, Methods, Timeline
- Legal Situation and Development / Liability

9) Structural Change in the Automotive Industry

- Cross-Company Cooperation in the Automotive Industry
- New Market Players vs. Traditional Automobile Manufacturers
- Change in the Value Chain
- Future Role of Automotive Supplier Companies

Please submit your presentation proposals by 30 September 2021 to info@oevk.at.

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