

CALL FOR PAPERS / MAIN TOPICS

44th International Vienna Motor Symposium
26 - 28 April 2023, Hofburg Vienna

We cordially invite you to submit lecture proposals referring to the following main topics:

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
- Energy and CO₂ Balances of the Powertrain Systems over the Life Cycle (“Cradle to Grave”)

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)

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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
- Changes / Redesign of the Product Development Process

SUBMISSION OF LECTURE PROPOSALS

Please kindly send your proposals **by 30 September 2022** with the following information to info@oevk.at:

- lecture title in English and German
- complete names of authors incl. academic titles, company name and location
- abstract of 10–15 lines for general information

Furthermore, please note that we can only accept papers which are **not published before** the date of the symposium in April 2023.

We will inform you in **November 2022** if it was possible to include your lecture proposals in the programme.

Lecture duration is 20 minutes followed by 10 minutes discussion.

For printing the publication (Proceedings of the 44th International Vienna Motor Symposium), we need the text version of the lecture **by 31 January 2023**.

DEADLINES:

- Submission of lecture proposals:
by 30 September 2022
- Notification of authors:
November 2022
- Submission of manuscripts for publication:
by 31 January 2023

Contact:

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