

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

MAIN TOPICS:

1. CO₂ Reduction and Fleet Consumption / Life Cycle Analysis for Drivetrain Technologies
 - Mobility 2050: CO₂ free → Defossilization
 - Climate Goals 2035: Target Achievement / Target Missing → Required Technologies for New Vehicles and Existing Fleets
 - Energy and CO₂ Balances of the Powertrain Systems over the Entire Development Process and 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, Bus and Commercial Vehicles, Power Electronics
 - 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
 - Innovations on Cell Chemistry, Lifetime assessment
 - Second Life and Recycling
 - Charging Infrastructure
4. Hydrogen
 - Innovative Electrolysis Technologies, Green Hydrogen
 - Fuel Cell and H₂ Combustion Engine Innovations
 - Hydrogen Storage Technologies
5. Renewable Fuels (E-Fuels and Bio-Fuels)
 - Production Methods and Processes
 - Applications and Results
6. Latest Results in Engine and Powertrain Development / Components
 - Engines for Passenger Cars, Commercial Vehicles and Large Engines
 - Special Engines, Gas Engines (CNG, LNG)
 - Motorsport and High Performance Engines
7. New Emission Legislation and Exhaust Aftertreatment
 - New Emission Regulations Worldwide (EU7, America and Asia); Zero Impact Emissions
 - Exhaust Aftertreatment for Upcoming Legislations Worldwide
8. Autonomous Driving / Connectivity
 - Systems, Methods, Timeline
 - Legal Situation and Development / Product Liability

9. Structural Change in the Automotive Industry

- Cross-Company Cooperation in the Automotive Industry
- New Market Entries vs. Traditional OEM
- Change in the Value Chain
- Future Role of Automotive Suppliers
- Changes / Redesign and Methodology of the Product Development Process
- Circular Economy / Innovative Production Technologies

Furthermore, please note that we can only accept papers which are not published before the date of the symposium in April 2024.

Lecture duration is 20 minutes followed by 10 minutes discussion.

SUBMISSION REQUIREMENTS:

Please kindly send your proposals **by 30 September 2023** with the following information to info@oevk.at:

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

IMPORTANT DEADLINES:

by 30 September 2023	Submission of lecture proposals
November 2023	Notification of authors
by 31 January 2024	Submission of manuscripts for publication

SCIENTIFIC COMMITTEE:

Your submissions will be reviewed by a scientific committee:

- Univ.-Prof. Dr. B. Geringer
- Univ.-Prof. Dr. H. Eichlseder
- Assoc. Prof. Dr. P. Hofmann
- Dr. W. Böhme
- Prof. Dr. H. Demel
- Prof. Dr. L. Mikulic
- Dr. G. Pachta-Reyhofen

CONTACT:

Österreichischer Verein für Kraftfahrzeugtechnik (ÖVK) – Austrian Society of Automotive Engineers
Elisabethstrasse 26/24
1010 Vienna, AUSTRIA
E-Mail: info@oevk.at / Phone: 0043-1-5852741-0