CALL FOR PAPERS/PRESENTATIONS

Powertrains, Fuels & Lubricants Meeting & Exhibition
September 7-9, 2022 | Krakow, Poland

The International Powertrain, Fuels & Lubricants Meeting is looking to you. Become a bigger part of the technical community by contributing to the mobility industry’s body of technical knowledge. SAE International is looking for your experience and expertise in Ground Vehicle Powertrain, Fuels, and Lubricants. We are asking for you to share your time and talent to write a paper and give a presentation.

Electric Powertrain
- Batteries
- Power Electronics
- Electric Motors
- Controls
- Connectors and Charging
- Electricity Production and LCA

Fuel Cell Powertrain
- Stack Development
- Gas Exchange
- Hydrogen Storage
- Pressurized Tanks
- Cryogenic
- Others
- Controls
- Hydrogen Production and LCA

Hybrid Powertrains
- Advanced Hybrid Engines
- Transmissions

General Powertrain Development
- 0-D and 1-D Modeling and Numerics
- Control System Design, Calibration and Optimization
- Engine Flows and Combustion Diagnostics
- Fundamental Advances in Heat Transfer and Thermal Sciences
- High Efficiency IC Engines Concepts
- Multi-Dimensional Engine Modeling
- Onboard Diagnostics
- Powertrain Adaptation for Connectivity and Automation

Engine Combustion
- Basic SI Combustion Processes
- Abnormal SI Combustion (Knock)
- Combustion in Spark Ignition Engines
- SI Combustion Ignition
- Dilute SI Combustion
- Abnormal SI Combustion (Preignition)
- Combustion in Compression-Ignition Engines
- Homogeneous Charge Compression Ignition, HCCI
- Partially Premixed Compression Ignition, PCCI
- Dual Fuel Combustion
- Combustion in Gaseous-Fueled Engines
- Combustion Control and Optimization
- Cold Start and Transient Emissions Control
- Special Session on Hydrogen Combustion in ICE

Exhaust, Aftertreatment and Emissions
- Exhaust Emissions Control - New Developments
- Exhaust Emission Control Systems
- Emission Control Modeling
- Emissions Measurement and Testing (Including Exhaust & Non-Exhaust Particulate Emissions)
- Regulated and Unregulated Gaseous Emissions
- Cold Start Emissions
- Post Euro 6 Emissions Development
- Worldwide Harmonized Light Vehicle Test Procedures & Real Driving Emissions

Fuels and Lubricants
- Fuel & Additive Effects on Engine Systems
- Fuel Injection and Sprays
- Alternative and Advanced Fuels
- Gasoline Engine Lubricants
- Diesel Engine Lubricants
- Holistic Fuel Consumption and Fuel Economy
- Hydrogen
- Biofuels
- E-fuels

New Engines, Components Actuators and Sensors
- New CI & SI Engines and Components
- Engine Boosting Systems
- CI & SI Cylinder Systems
- Small Engine Technology
- Powertrain NVH
- Powertrain Actuators and Sensors
- Valvetrain, including VVA
- Engine Block, Cylinder Heads, Oil & Water Pumps, Intake and Exhaust Systems

Transmission and Driveline
- Transmission Systems/ Drive Unit
- AWD/ 4WD/ Driveline Components
- IVT/ CVT
- Driveline Controls (Part 1 of 2)
- Launch Devices
- Driveline NVH
- Driveline Components/ Subsystems
- Driveline Modeling

Abstracts must be submitted online via website page to only ONE session. Offered papers shall not have been previously published; and if accepted, contributors will not release their paper for publication through other media:

- Paper acceptance will be based on organizer moderated peer review of a review ready manuscript.
- Refer to the author resources site at volunteers.sae.org/authors.htm for other useful information in preparing your paper.
- Portal for submission of abstracts will be open on February 2, 2022.
- Deadline for submitting paper offers October 5, 2021.
- Review Ready Manuscripts due to session organizers April 15, 2022.
- Final Manuscripts and copyright assignments due to SAE June 30, 2022.

If you wish to submit directly to one of the SAE journals, please visit sae.org/publications/journals/callforpapers, and upload a complete manuscript to your journal of choice.

If you simply wish to publish, written-only papers may be submitted at any time to editorialmanager.com/saetechpapers.

ADDITIONAL RESOURCES
General Author Resources Page volunteers.sae.org/authors.htm

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