

CALL FOR PAPERS

International Powertrains Fuels & Lubricants Meeting

September 17–19, 2018 | Heidelberg, Germany

sae.org/pfl

International Powertrains 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 / or give a presentation.

Deadline for submitting paper offers: February 12, 2018

Review Ready Manuscripts due: March 26, 2018

Final Manuscripts and copyright assignments due: July 16, 2018

Topics Under Consideration

General Powertrain Development

- O-D and 1D Modeling and Numerics
- Multi-Dimensional Engine Modeling
- Control System Design and Calibration
- Fluid Flow Measurement and Analysis
- Diagnostic Development
- Fundamental Advances in Heat Transfer and Thermal Sciences
- High Efficiency IC Engine Concepts

Engine Combustion

- Combustion in Spark Ignition Engines
- Combustion in Compression Ignition Engines
- Homogeneous Charge Compression Ignition, HCCI
- Spark Assisted Compression Ignition, SACI
- Partially Premixed Combustion, PPC
- Duel Fuel Combustion
- Combustion in Gaseous Fueled Engines
- Combustion Control and Optimization
- Cold Start and Transients

Exhaust, Aftertreatment & Emissions

- Exhaust Emissions Control - New Development
- Exhaust Emission Control Systems
- Emission Control Modeling
- Emissions Measurement and Testing
- Particle Emissions from Combustion Sources
- GHG and Other Gaseous Emissions from Engines

Fuels and Lubricants

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

New Engines, Components, Actuators & Sensors

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

Hybrid & Electric Powertrains

- Advanced Hybrid and Electric Vehicle Powertrains
- Advanced Fuel Cell Vehicle Applications
- Advanced Battery Technologies
- Electric Motor & Power Electronics
- Controls for Hybrids and Electric Powertrains

Transmission & Driveline Technology

If your abstract is accepted, a final manuscript will be invited and your session organizer will conduct a peer review. If the paper is approved for publication, please note that it may or may not be selected for oral presentation at a conference. An organizer will base this decision on the subject matter of the paper and how it relates to the session title, the review results, the number of presentation slots available in the session, as well as other factors. Whether or not an oral presentation slot is scheduled, the paper, if approved, will be published. SAE apologizes, in advance, for any inconveniences caused in the scheduling of our events.

For questions contact:

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