



Two Conferences One Goal

Call for Papers

6. International Conference
Ignition Systems for SI Engines

7. International Conference
Knocking in SI Engines

Berlin, September 17 – 18, 2024
Akademie der Wissenschaften

Two Conferences – One Goal

In addition to the indisputably necessary electrification of the transport sector, which is currently being ramped up, internal combustion engines will still be urgently needed in the future. Otherwise, the demand for mobility in the on-road, off-road and non-road sectors cannot be met. There is no doubt that these internal combustion engines will have to be improved regarding efficiency plus lower emissions and nowadays more and more important upgraded for zero and low carbon fuels.

Even though Spark Ignition (SI) engines have been around for more than a century, there's still plenty of room for improvement, particularly in terms of power density, ignition, combustion control, and preventing uncontrolled combustion.

To offer all interested developers an inspiring exchange platform for the latest developments, IAV established two exciting conferences more than two decades ago, which are now held under the heading "Two Conferences – One Goal". In 2024, the time has come again, and in this respect, we are looking forward to your presentation proposals on the following topics in particular:

- Ignition and inflammation of conventional and alternative fuels such as hydrogen, ammonia, methanol, etc.
- Combustion processes for alternative fuels
- Prevention of irregular combustion phenomena when using conventional and alternative fuels
- Methods for measurement and analysis of irregular combustion phenomena
- Modern virtual development methods
- Control, regulation and latest function algorithms
- AI-based development methods as well as control and regulation algorithms

Date and Place of the Conference

September 17 – 18, 2024

Berlin-Brandenburgische Akademie der Wissenschaften
Jägerstraße 22/23, 10117 Berlin, Germany

Chairman

Marc Sens, IAV

Scientific Committee

Dr. Frank Altenschmidt, Mercedes-Benz

Matthias Biehl, Bosch

Dr. Pierre Olivier Calendini, Aramco

Dr. Michael Fischer, Honda

Dr. Michael Fischer, Tenneco

Prof. Dr. André Casal Kulzer, IFS

Dr. Christian Maas, Volkswagen

Sandro Pino, Tenneco

Prof. Dr. Hermann Rottengruber, OVGU

Dr. Kelly Senecal, Convergent Science

Dr. Olaf Toedter, KIT

Submission of Abstracts

Interested parties are asked to submit an abstract online (max. 3,000 characters) with title, authors/co-authors and company address by visiting the following link:

www.iav.com/abstract

If you have any queries, please contact
Claudia Böckermann, UNIVERSAL,
Tel. +49 (0) 30 3101 8550

New Deadline for Submission of Abstracts

March 20, 2024

Presentation Languages and Duration

Presentation language will be English.
The duration of the lecture is 20 minutes
followed by a discussion.

www.iav.com/events