



IAV SPARK

Call for Papers
IAV Symposium on Pre-ignition,
Auto-ignition, Reactivity, and Knock **26**

What should every engineer, working to increase engine efficiency, reduce raw emissions, or enable combustion engines to run on renewable fuels such as hydrogen, methanol, ethanol, ammonia and many more do at the end of September 2026?

Exactly – they should be at IAV SPARK26!

The Symposium on Pre-Ignition, Auto-Ignition, Reactivity, and Knock will once again bring together leading experts and innovators shaping the future of spark-ignited internal combustion engines.

For more than 20 years, IAV has provided an inspiring platform, formerly known as “Two Conferences – One Goal”, where developers, researchers, and industry specialists exchange knowledge on ignition processes and irregular combustion phenomena in modern engines. As the interest in achieving a next development level of internal combustion engines is raising globally, IAV is more than excited to offer again this well-established platform for deep technical dialogue and therefore invites everyone keen to share and present his latest development to submit a presentation proposals for IAV SPARK26.

We welcome contributions on topics including:

- Ignition and inflammation behavior of conventional and alternative fuels (e.g., hydrogen, ammonia, methanol)
- Combustion processes for future and renewable fuels
- Prevention of irregular combustion phenomena for both conventional and alternative fuels
- Advanced technologies for cleaner and/or more efficient combustion
- Measurement and analysis methods for irregular combustion events
- Modern virtual development approaches
- Control strategies, regulation concepts, and advanced functional algorithms
- AI-supported development methods and control algorithms

Join us at IAV SPARK26 and help shaping the next generation of sustainable and efficient internal combustion engines.

Conference Chair

Marc Sens, IAV

Scientific Committee

Matthias Biehl, Bosch
Ragnar Burenus, HORSE Powertrain
Prof. Dr. André Casal Kulzer, IFS
Dr. Michael Fischer, Honda
Dr. Michael Fischer, 40 Yo ICE
Ryan Heinbuch, General Motors
Dr. Christian Maas, Volkswagen
Sandro Pino, Tenneco
Prof. Dr. Hermann Rottengruber, OVGU
Dr. Olaf Toedter, KIT

Submission of Abstracts

Interested parties are requested to submit the abstract (max. 3,000 characters) with title, authors/co-authors and company address via www.iav.com/spark

If you have any queries, please contact Mareike Schlueter, IAV GmbH events@iav.com

Deadline for Submission of Abstracts

April, 10, 2026

Presentation Language and Duration

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

Conference Date and Location

September, 29 – 30, 2026
Alice Rooftop, Berlin

www.iav.com/spark