

Call for Papers

2025 International Conference on Advanced Vehicle Powertrains

November 21-23, 2025, Ningbo, China



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The 2025 International Conference on Advanced Vehicle Powertrains (ICAVP2025) is aiming to bring together industry and academic experts in the fields of vehicle powertrains and automation as well as adjacent subjects. The format will be both in-person and virtual (i.e., online). The event will open up presentations and discussions on the solutions to both latest and future challenges among the development of the following frontiers, but not limited to:

Structure and function of Powertrains

- Advanced engines/transmissions /drivelines
- Key components of the powertrain
- Energy management of multi configuration powertrain
- Engine fuels, combustion, and emissions
- Innovative materials
- Innovative lubrication

Renewable Powertrains

- Lightweight design
- Alternative low carbon fuels
- Solid oxide fuel cell (SOFC)
- Methanol Power
- Ethanol Power
- Ammonia Power

Digitalization and Intelligence of Powertrains

- Modeling and simulation for powertrains
- Powertrain integration/ control/ optimization/diagnosis
- Automobile intelligence and automatic driving controls
- Digital twin technology
- Big data applications
- Digital operation and maintenance

Zero-emission Motive Powers

- Power battery and BMS
- Proton-exchange membrane fuel cell (PEMFC)
- Catalysts for fuel cells
- Membrane Electrode Assembly (MEA)
- BOPs for PEMFC
- Hydrogen safety technology

ICAVP2025 invites full papers describing original and yet unpublished work. All papers must include title, complete contact information for all authors, abstract, and keywords on the cover page: research papers reporting on new development of powertrains for conventional, hybrid and electric vehicles, while industry and development papers reporting on actual developments of technology, products, systems and solutions. In addition, ICAVP (<http://icavp.info/ICAVP2025/>) will invite keynotes, organize workshop and panels. Best papers will be selected for award.

Paper Submission: Papers must be submitted in PDF format. Detailed submission instructions refer to the conference website. Direct your questions to the conference chairman ICAVP2025@nottingham.edu.cn for inquiries. All quality papers will be recommended to IJPT for further publishing.

KEY DATES

Paper Registration

July 15,2025

Paper Submission

September 15, 2025

Notification

September 30,2025

Final Paper

October 30,2025

Organizer:



University of Nottingham
UK | CHINA | MALAYSIA

Collaborator:



UNIVERSITY OF BIRMINGHAM

Loughborough University



浙江科技大学
ZHEJIANG UNIVERSITY OF SCIENCE & TECHNOLOGY