



THIESEL 2026

CONFERENCE ON THERMO-AND
FLUID DYNAMICS OF

CLEAN PROPULSION POWERPLANTS



8th – 11th September 2026
Valencia (Spain)

CALL FOR PAPERS



UNIVERSITAT
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OVERVIEW AND OBJECTIVES

The **THIESEL 2026 Conference** focuses on the thermo-and fluid dynamic processes occurring in propulsion powerplants for clean and sustainable transport. The automotive industry faces a number of challenges linked to the electrification and necessary decarbonisation. New generation thermal engines require solutions for injection/combustion concepts based on hydrogen, ammonia, renewable fuels and e-fuels, but also to reduce thermal losses and increase efficiency. For full societal acceptance of global electrified propulsion systems, the driving range must be increased. To achieve this, research focusses on improving batteries capacity and optimizing the energy management system.

Since research in all these areas is in full swing, the aim of the **THIESEL 2026 Conference on Thermo-and Fluid Dynamics of Clean Propulsion Powerplants** is to facilitate the exchange of ideas and experiences between Industry, Universities and Research Centres, as well as to create a discussion forum for the most recent advances and for the identification of future lines of research.

2026 CONVERGE APPLICATION WORKSHOP

Convergent Science is delighted to announce the **2026 CONVERGE** application workshop, hosted in partnership with CMT-Clean Mobility & Thermofluids, Universitat Politècnica de València on September 8, 2026, from 9:00 to 15:30. This one-day event will focus on innovative modeling solutions for technologies across different industrial sectors. A lineup of technical presentations and prominent keynote speakers will offer insight into the cutting-edge research activities underway in academia and industry in Spain and around the globe.

CALL FOR PAPERS

THIESEL 2026 calls for good quality papers from both Industry and Academia, describing the most recent developments and latest innovations relative to thermo-and fluid dynamic processes for clean propulsion powerplants. The topics include experimental and theoretical work related to:

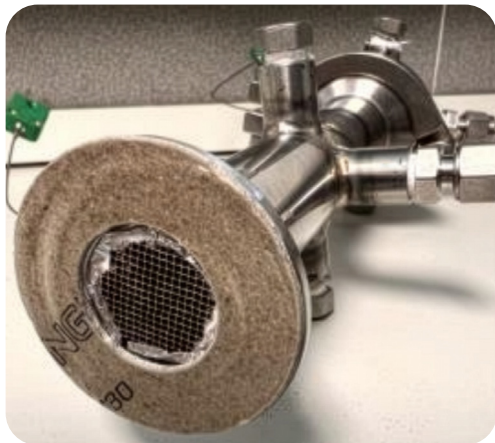
- Thermal management of electric motors (BEV) and hybrids (HEV).
- Control of hybrid and electrified propulsion systems.
- Energy management in propulsion systems.
- Ultra efficient thermal engines.
- H₂ and NH₃ for transport applications.
- Eco-fuels and renewable fuels based on hydrocarbons.
- Emissions reduction.
- After-treatment for decontamination of hybrids and advanced ICE architectures.
- Diagnosis in propulsion systems.

Abstracts of about 300 words including the objectives of the paper, the methodology used, some preliminary results if available and the main conclusions should be submitted through the website authors' area:

<https://www.cmt.upv.es/Thiesel2026>

A selection of the best papers to be presented at the conference will be published in a special issue of the *International Journal of Engine Research*.

After the preliminary selection, abstracts not accepted as full papers may be presented for the poster session. The authors of accepted posters may present a three-page abstract for publication in the Conference Proceedings.



CONFERENCE EXHIBITION

As in previous years, we are hoping to hold an exhibition with a selection of stands representing high-profile companies connected to the development of engine technology:

- [Engine components](#)
- [Prototypes](#)
- [Measuring and diagnosis equipment](#)
- [Consulting and engineering](#)
- [Computational Fluid Dynamics tools](#)
- [Engine electronic control](#)

Companies who wish to participate in this exhibition are encouraged to contact the Conference Secretariat at the address provided.

STEERING COMMITTEE

- Prof. Raúl Payri / CMT. Universitat Politècnica de València (Spain)
- Prof. José Ramón Serrano / CMT. Universitat Politècnica de València (Spain)
- Dr. Christian Angelberger / IFP Energies Nouvelles (France)
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- Prof. Zhixia He. Jiangsu University (China)
- Prof. Thomas Koch / IFKM. Karlsruher Institut für Technologie (Germany)
- Dr. Jim Szybist / Oak Ridge National Laboratory (USA)

CONFERENCE COORDINATOR

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- Mr. Noboru Uchida. New ACE Institute (Japan)
- Dr. Bianca Vaglieco. CNR-STEMS (Italy)
- Dr. Olivier Varnier. Jaguar Land Rover (UK)
- Dr. Alberto Vassallo. Dumarey (Italy)
- Dr. Timothy Watling. Johnson Matthey (UK)
- Prof. Margaret Wooldridge. University of Michigan (USA)
- Dr. Peng Zhao. University of Tennessee (USA)

SCHEDULE

31st January 2026

Deadline for abstract submission

16th February 2026

Notification of acceptance

19th April 2026

Manuscript (for peer review) to be submitted by

21st June 2026

Final paper to be submitted by

21st June 2026

Poster abstracts

CONFERENCE LOCATION

The conference will take place in the **NEXUS Conference Auditorium (Building 6G)** of the Universitat Politècnica de València, Valencia, Spain.

REGISTRATION FEES

Registration should be made through the Conference website.

The registration fee is:

- **€ 780/early registration**
- **€ 900/for late registrations received after 15th July 2026**

The fee includes:

- **Attendance to the Conference sessions**
- **Conference Proceedings**
- **Coffee breaks and lunches during the Conference**
- **Welcome reception and closure gala dinner**

CONTACT DETAILS

CONFERENCE SECRETARIAT

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