

FRIDAY 9 OCTOBER 2026 | 10:30 - 12:30

NextFuel Seminar on alternative fuels

Agenda

The NextFuel Seminar on alternative fuels, aims to bring together different experts from the scientific community (university) in order to investigate different aspects of alternative and sustainable fuels, with a view to offering insights to all interested stakeholders that will participate.

The seminar is organized by Hellenic Institute of Transport (HIT) – Centre for Research and Technology Hellas (CERTH), on behalf of the NextFuel project, which has received funding from the European Union's Horizon Europe research and innovation program under grant agreement No. 101136225.

Moderators of the event: Maria-Anna Charitopoulou and Maria Tournaviti, CERTH

10:30 – 10:40

❖ **Welcome and brief introduction of each presenter and their works**

Dr. Maria-Anna Charitopoulou and Dr. Maria Tournaviti, CERTH

10:40 – 11:00

❖ **Growing the Fuels of the Future: Integrated Microalgae-Yeast Systems for Near-Zero-Waste Lipid Production**

Assoc. Prof. Christos Chatzidoukas, Department of Chemical Engineering, Faculty of Engineering, Aristotle University of Thessaloniki

11:00 – 11:20

❖ **Green Molecules for a Warming Planet: Why Ammonia Matters in the Hydrogen Economy**

Prof. George Marnellos, Department of Chemical Engineering, Faculty of Engineering, Aristotle University of Thessaloniki

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11:20 – 11:40

❖ **Electrochemical approaches to industrial electrification**

Assoc. Prof. Ioannis Katsounaros, Department of Chemistry, Faculty of Sciences,
Aristotle University of Thessaloniki

11:40 – 12:00

❖ **Towards Sustainable Renewable Methanol Production: Challenges, Opportunities and System Perspectives**

Asst. Prof. Theodoros Damartzis, Department of Chemical Engineering, Faculty of
Engineering, Aristotle University of Thessaloniki

12:00 – 12:20

❖ **POSEIDON Project: Sustainable e-Methanol Local Value Chains in Mediterranean ports**

JR & PhD candidate, Nikoletta Bouloti, Department of Mechanical Engineering,
Faculty of Engineering, Aristotle University of Thessaloniki

12:20 – 12:30

❖ **Closing: Open discussion, Q&A and audience interaction**