HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION

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FORTH
FOUNDATION FOR RESEARCH & TECHNOLOGY - HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES

Patras, 23.11.2026
Ref. No.: 242760

This project has received funding from the European Union's Horizon Europe (2021-2027) research and innovation programme under grant agreement No 101192913

LowC
Safe and sustainable LOW-Carbon fuels for heavy-duty, aviation, and maritime sectors

Invitation for Expression of Interest:
PhD Fellowship "Prediction of air quality in ultra high spatial resolution"

The Institute of Chemical Engineering Sciences, Foundation for Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one PhD candidate position in the context of the research project "Safe and sustainable LOW-Carbon fuels for heavy-duty, aviation, and maritime sectors (LowC) GA- 101192913 — LowC" which is under the HORIZON-CL5-2024-D5-01-18 call.

Job Description
To conduct research as a PhD candidate in the framework of the aforementioned project "LowC". The following LowC specific objectives will be pursued to address the requirements of the call: i) Test and validate operating conditions for all required powertrains, ii) Extensively characterize primary particle and gas emissions from heavy-duty, aircraft and ship powertrains running on novel low-carbon fuels, iii) Identify and quantify secondary aerosol formation.
The objective of this position is the development of simulations of air pollutant emissions heavy-duty, aircraft and ship powertrains running on novel low-carbon fuels.

Location: FORTH/ICE-HT, Patras, Greece
Duration: up to 12 months, with the potential of renewal or extension according to the needs of the project and performance
Fellowship: up to approximately 1000 € per month (graduate fellowship) depending on qualifications
Envisaged starting date: 01/01/2027

Requirements and Qualifications
Candidates are required to hold a diploma in Mechanical or Chemical Engineering and an MSc in Engineering (any discipline). The candidate should have been registered as a PhD Candidate.

The evaluation of the candidacies will be based on the following criteria and qualifications:

Qualifications	Weight	Evaluation criteria
Publications in peer-reviewed journals and conference proceedings relevant to Computational Fluid Dynamics	50	Number of publications in peer-reviewed journals and conference proceedings, 25 points /publication, max. 50 points
Relevance of MSc thesis to Computational Fluid Dynamics	30	Degree of relevance: strong relevance: 30 points, medium relevance: 20 points, weak relevance: 10 points
MSc grade (normalized to 1 -10 scale)	20	Degree grade X 2 points
Overall	100	

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Application Submission
Interested candidates who meet the aforementioned requirements should submit their applications, no later than 3/12/2026, 16:00, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr, cc: spyros@chemeng.upatras.gr .
In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles
- Certificate of registration as a PhD candidate
- Copy of MSc thesis
- Copies of the publications in peer-reviewed journals and conference proceedings

Any application received after the deadline will not be considered for the selection.

Selection Procedure
Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. If necessary, certain candidates will be invited to a personal interview with the committee.
Interview Criteria:
(a) Background in the objective of the assignment (5 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points)
The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".
In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

Selection Announcement
The result of the selection will be announced on the website of: FORTH/ICE-HT.
Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, within five (5) days after the results announcement on the web.

Contact
For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, tel.: +30 2610 965278.
For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Professor Spyros Pandis, tel: +30 2610 969510, e-mail: spyros@chemeng.upatras.gr.

General Protection Data Regulation
FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.

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FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.
FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.
We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.
We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.
You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT,

Theophilos Ioannides
Director

