



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT & INVESTMENTS
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION



FORTH

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

Patras, 26.05.2023

Ref. No.: 110220

Invitation for Expression of Interest:

PhD fellowship: "Simulation of PFAS remediation in soil and water by machine learning models"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one PhD candidate position in the context of the research project "Strategies for health protection, pollution Control and Elimination of Next generAtion Refractive Organic chemicals from the Soil, vadose zone and water, acronym "SCENARIOS", "Grant Agreement number: 101037509 — SCENARIOS — H2020-LC-GD-2020 / H2020-LC-GD-20203", which is implemented under the H2020 Research and Innovation Action.

Job Description

To conduct, as a PhD candidate, research in the framework of the aforementioned project "SCENARIOS". The main objective of the specific part of SCENARIOS is to use experimental datasets for simulating the PFAS remediation in soil and water by machine learning models.

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

Fellowship: up to 900 € per month (graduate fellowship) depending on qualifications

Envisaged starting date: 01/08/2023

Requirements and Qualifications

- Master degree in Mathematics and Information Sciences
- Proven participation in research projects funded by the EC or the State
- Relevant publications in international peer-reviewed journals and conference proceedings
- Proven experience in the development of machine-learning algorithms
- Good knowledge of the Greek and English (at least B1 level) language

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

Qualifications	Weight	Evaluation criteria
PhD Thesis relevant to the subject area of the position	20	Relevance of the PhD thesis: strong relevance: 20 points, medium relevance: 10 points, weak relevance: 5 points
Experience on the use of machine learning in process simulation and optimization	20	Duration of proven experience in relevant projects (5 points per 12 months of employment in relevant projects with a maximum of 20 points)

SCENARIOS



Publications in international journals and peer-reviewed conference proceedings in the aforementioned subjects	20	Number of publications in journals and peer-reviewed conference proceedings in the aforementioned subjects (5 points per publication with a maximum of 20 points)
MSc degree	15	Degree grade X 1.5 points
MSc Thesis relevant to the subject area of the position	15	Relevance to the subject area: strong relevance: 15 points, medium relevance: 10 points, weak relevance: 5 points
Knowledge of the English language	10	No certificate: 0 points B2: 5 points, C1: 8 points, C2: 10 points
TOTAL	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 8/6/2023, 16:00h, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles & English language certificate
- Certificate of registration as a PhD candidate
- Copies of the publications in peer-reviewed journals and conference proceedings
- Copy of the Master's diploma thesis
- Certificate of PhD thesis
- Employer's certificate and any other official documentation of the required experience

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".

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 Dr. Christos Tsakiroglou (Research Director, FORTH/ICE-HT), tel: +30 2610 965212, e-mail: ctsakir@iceht.forth.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.

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,

Theofilos Ioannides
Director

SCENARIOS

