



HELLENIC REPUBLIC  
MINISTRY OF DEVELOPMENT  
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION



**FORTH**

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

Patras, 20.2.2025

Ref. No.: 169184



### Invitation for Expression of Interest:

**Postdoctoral Research Assignment** “Structural, morphological and mechanical properties of graphene-based films”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral research assignment in the context of the research project «Innovative pilot lines for sustainable graphene-based flexible and structural energy harvesting and storage devices (GRAPHERGIA), GA: 101120832», which is implemented under the HORIZON EUROPE.

### Job Description

To conduct, under a work or fixed-term employment contract, research and development as an experienced scientist in the framework of the aforementioned project “GRAPHERGIA”. The main objective of GRAPHERGIA is to develop a new science-based, holistic approach, implementing new advances to achieve one-step, laser-assisted synthesis, processing, functionalization and simultaneous integration of graphene-based materials and graphene nanohybrids, directly into relevant energy harvesting/storage devices. The selected candidate will provide expertise in the framework of the aforementioned project “GRAPHERGIA”, related to the use of scanning electron microscopy techniques conducting measurements and analysis of scanning electron microscopy images of graphene-based nanomaterials.

**Location:** FORTH/ICE-HT, Patras, Greece

**Duration:** up to 6 months, with the potential of renewal or extension according to the needs of the project

**Salary:** Up to approximately 2200 € per month (total cost of the employer, including social security and taxes) depending on the qualifications and time devoted to project.

**Envisaged starting date:** 01/04/2025

### Requirements and Qualifications

The applicant should possess MSc and PhD degrees in Physics or Chemistry or Materials Science or a relevant field. Experience with Raman spectroscopy as well as with characterization of the morphology through microscopy and the mechanical and electrical properties of graphene-based materials, in planar and 3D porous morphology, would be strongly favored. Candidates must be fluent in Greek language and have a good knowledge of English (at least level B2) language.

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



Qualifications	Weight	Evaluation criteria
Proven experience in the study of structural, morphological, mechanical and electrical properties of graphene-based materials (planar and porous films)	50	Demonstrated through: 1. Publications in peer reviewed journals: 5 points per publication, up to 20 points 2. Experience from participation in relevant funded research projects: 10 points per year of active participation; up to 30 points
Relevance of the PhD thesis to the topic of this announcement	30	High relevance: 30 points; Medium relevance: 15 points; Low relevance: 5 points
Knowledge of English Language	20	10 points (C1), 20 points (C2)
<b>TOTAL</b>	<b>100</b>	

### Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 4/3/2025, 16:00 h, by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), cc.: Dr. Spyros Yannopoulos: [sny@iceht.forth.gr](mailto:sny@iceht.forth.gr).

In order to be considered, the application must include:

- Application letter
- CV with clear description of the methodologies possessed by the applicant and the level of experience
- Scanned copies of academic titles & English language certificate
- Copy of the PhD thesis
- Copies of publications in peer reviewed journals
- 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".

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](mailto: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](mailto: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 Yannopoulos: tel: 30 2610 965252, email: [sny@iceht.forth.gr](mailto:sny@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](mailto: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

