



Patras, 18.09.2026

Ref. No.: 234515



Invitation for Expression of Interest:

PhD Fellowship “Development of sustainable polymer nanocomposites for additive manufacturing and flexible electronics”

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 “Transformational e-Textiles: Materials and Processes for Stretchable, Durable and Sustainable Wearable Electronics – e-FLOWER, GA - 101297960” which is implemented under the HORIZON-CL4-2025-03.

Job Description

To conduct research as a PhD candidate in the framework of the aforementioned project “e-FLOWER”. The research will focus on the development, processing and characterization of sustainable functional polymer nanocomposites incorporating graphene-related and other advanced nanomaterials for flexible and wearable electronics. The candidate will be involved in the formulation and optimization of nanocomposite materials and conductive inks, their processing through additive manufacturing technologies, and the characterization and evaluation of the resulting materials and functional devices.

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 900 € per month (graduate fellowship) depending on qualifications

Envisaged starting date: 1/11/2026

Requirements and Qualifications

Candidates are required to hold a BSc in Engineering (any discipline) and MSc in Chemical Engineering. Experience in the field of nanomaterials is required. Additionally, candidates should have been enrolled in a PhD program in Chemical engineering or a relevant field. Moreover, the candidate must be fluent in the Greek and English (at least B2 level) language.



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

Qualifications	Weight	Evaluation criteria
Proven experience in the production and characterization of nanomaterials and nanocomposites.	40	Demonstrated through the relevance of the diploma thesis: strong relevance: 40 points, medium relevance: 20 points, weak relevance: 10 points
Diploma grade	20	Diploma grade X 2 points
Knowledge of English Language	20	C1: 10 point, C2: 20 points
Interview	20	(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 goals (5 points)
Overall	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 30/09/2026, 16:00, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr, cc: gpaterakis@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
- Copy of the diploma thesis

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.

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 Dr. George Paterakis, e-mail: gpaterakis@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

