



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION



FORTH

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

Patras, 23.10.2024

Ref. No.: 156588



INERRANT

Invitation for Expression of Interest:

MSc Fellowship “Electrochemical storage devices based on graphene and its hybrid nanostructures produced using laser sources”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one MSc fellowship position in the context of the research project “Integrating novel materials with scalable processes for safer and recyclable Li-ion batteries”, INERRANT, GA: 101147457, which is implemented under the Horizon Europe.

Job Description

To conduct research as a MSc candidate in the framework of the aforementioned project “INERRANT”. The main objective of INERRANT is to develop safe-and-sustainable-by-design materials, e.g. through the use of laser processing of raw materials, to ensure the economical and widespread utilization of safer LIBs in modern society. To realize this, INERRANT formulates a holistic approach to enhance safety, boost performance and improve fast charging, of Gen 3 LIBs tailored for mobility applications. The selected candidate will conduct research, as a graduate student (MSc), in the framework of the aforementioned project “INERRANT”, in the preparation of electrochemical storage devices (batteries) based on graphene and its hybrid nanostructures produced using laser sources.

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.

Fellowship: up to approximately 650 € per month (graduate fellowship) depending on qualifications.

Envisaged starting date: 01/12/2024

Requirements and Qualifications

The applicant should hold BSc in Physics or Chemistry or Materials Science or relevant field. The candidate should have been registered as a Graduate student (MSc) in a Materials Science Programme in a Physics or Chemistry or Materials Science Department or related discipline. Experience with the preparation of electrodes based on nanostructured carbon for Li-ion batteries or relevant electrochemical energy storage systems and their electrochemical characterization would be strongly favored. Candidates must be fluent in Greek language and have a good knowledge of English (at least level B2) language.



INERRANT

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

Qualifications	Weight	Evaluation criteria
BSc grade	20	BSc grade x 2 points
Proven experience in the laser-assisted graphene synthesis, the preparation of battery electrodes (alkali metal or relevant) and their electrochemical characterization.	40	Demonstrated through 1. Relevance of BSc thesis. Strong relevance: 30 points, medium relevance: 10 points, weak relevance: 5 points 2. Relevance of internship or other related activity: 4 points per month of participation. Up to 10 points
Knowledge of English Language	20	10 points (C1), 20 points (C2)
Interview	20	(a) Background in the objective of the assignment (8 points). (b) Organizational and communication skills (4 points). (c) Team-spirit and self-motivation (4 points). (d) Commitment to achieving the goals (4 points).
Overall	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 4/11/2024, 16:00 h, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr, cc.: Spyros Yannopoulos: sny@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 MSc student
- Copy of BSc thesis
- Documents demonstrating internship or other related activity
- Copy of transcript of courses and grades

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

Selection Procedure

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 Yannopoulos: tel: 30 2610 965252, email: 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.

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



The logo for INERRANT, featuring the word "INERRANT" in a bold, green, sans-serif font. A stylized graphic of vertical bars of varying heights is integrated into the letter "E".