One (1) master student position

in INERRANT project

Integrating Novel matERials with scalable processes for safer and recyclAble Li-ioN baTteries

(Topic: HORIZON-CL5-2023-D2-02-02 - New Approaches to Develop Enhanced Safety Materials for Gen 3 Li-Ion Batteries for Mobility Applications (Batt4EU Partnership)

Call: HORIZON-CL5-2023-D2-02, GA 101147457

Funded under HORIZON-RIA - HORIZON Research and Innovation Actions

Funded by the European Union

Ref. 241215
Heraklion 06.11.2026

The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL -FORTH), in the framework of the project INERRANT, (Call: HORIZON-CL5-2023-D2-02, GA 101147457) Funded under HORIZON-RIA - HORIZON Research and Innovation Actions, is seeking to recruit one (1) master student.

Job Description

The project will focus on understanding the relationships between composition, microstructure, mechanical response, and ion transport in composite polymer electrolytes relevant to next-generation energy-storage technologies. Particular emphasis will be placed on how the incorporation of inorganic or colloidal components modifies the structure and dynamics of the polymer electrolyte and, consequently, its rheological/mechanical properties and ionic conductivity. The student will be involved in the preparation and characterization of selected composite electrolyte formulations using complementary techniques such as rheology, impedance spectroscopy, thermal analysis, and, where appropriate, structural characterization. The overall objective will be to establish structure–property relationships that can guide the design of electrolytes combining efficient ion transport with enhanced mechanical functionality.

Required qualifications

- BSc degree in Materials Science and Engineering, Physics, Chemistry, Chemical Engineering, or a related discipline – 40%
- Demonstrated interest and/or experience in polymers, composite materials, electrolytes, or materials for energy applications – 25%
- Laboratory experience with materials characterization techniques (e.g., rheology, electrochemical impedance spectroscopy, thermal or structural characterization) – 20%
- Good command of English and ability to study and critically evaluate scientific literature – 15%

Location: IESL-FORTH, Heraklion Crete GREECE
Start Date (earliest): January 1, 2027
Project Duration: 3 Months

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **November 16, 2026, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to Prof. George Petekidis (georgp@iesl.forth.gr, eglynos@iesl.forth.gr).

In order to be considered, the application must include:

- Application Form (please download file from the job announcement webpage https://www.iesl.forth.gr/en/jobs-bids/jobs/job-positions)
- Detailed curriculum vitae (CV) of the candidate
- Scanned Copies of academic titles

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

Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the secretariat (hr@iesl.forth.gr), tel. +30 2810-391300.
For information and questions about the advertised position and the research activity of the group or the institute, candidates are asked to contact Prof. Emmanouel Glynos (eglynos@iesl.forth.gr, tel. +30 2810-391353), Prof. George Petekidis (georgp@iesl.forth.gr, tel. +30 2810-391490).

Selection Announcement

The result of the selection will be announced on the website of IESL-FORTH.
Candidates have the right to appeal the selection decision, by addressing their written objection to the IESL secretariat within five (5) days since the results announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of IESL-FORTH in line with the Hellenic Data Protection Authority.

GDPR

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.