HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION

Ministry of Digital Governance

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Date: 2025.04.30 13:09:12 EEST
Reason:
Location: Athens

FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS
INSTITUTE OF ELECTRONIC STRUCTURE AND LASER

Deadline and start date extension

One (1) post-doctoral researcher position

in FORGREENSOFT project

Advancing Research & Innovation of FORTH in Green Soft Matter

(Topic: HORIZON-WIDERA-2021-ACCESS-03-01 - Twinning
Call: HORIZON-WIDERA-2021-ACCESS-03, GA 101078989)
Funded under CSA - Coordination and support action

European Innovation Council

Ref. 171194
Heraklion 11/03/2025

The Institute of Electronic Structure and Laser of the Foundation for research and Technology Hellas (IESL -FORTH), in the framework of the project FORGREENSOFT, (Call: HORIZON-WIDERA-2021-ACCESS-03, GA 101078989), Funded under CSA - Coordination and support action, is seeking to recruit one (1) post-doctoral researcher **in Computational Soft Matter**.

Job Description

The project aims in the development of novel computational methodologies involving hierarchical approaches across scales an incorporating hydrodynamic interactions to study the flow of colloidal gels. A key aspect is the transfer of knowledge from partner institutes (Univ. of Vienna and Georgetown University) and its implementation in systems of common interest such as colloidal gels with emphasis on biosourced sustainable colloidal systems such as cellulose and lignin suspensions, experimentally studied within FORGREENSOFT. The computer simulations performed will allow for effective hypothesis testing, parameter space exploration, and formulation optimization. The new capabilities will allow for integrating AI approaches and experiments with practically relevant constraints. The candidate will work on codes, analytical tools, and predictions from models after that will be devoted to integration of experimental data and predictions for real materials.

Required qualifications

- PhD Degree on Soft Matter simulations and modeling (20%)
- Experience in Simulations of colloidal systems (20%)
- Publication record (10%)
- Two (2) Reference Letters (10%)
- English presentation (10%)

Additional qualifications

- Experience in analysis of experimental data (10%)

- Experience in computer simulation methods involving hydrodynamics such SD, DPD and MPCD (10%)
- Experience in AI/ML methods in Soft Matter (5%)
- Experience in computer simulations of colloidal systems (5%)

Location: IESL-FORTH, Heraklion Crete GREECE
Start Date (earliest): July 1, 2025
Project Duration: 6 Months with possibility of extension according to the needs of the project

Application Submission
Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **May 15, 2025, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to Prof. George Petekidis (georgp@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 2810-391314.
For information and questions about the advertised position and the research activity of the group or the institute, candidates are asked to contact 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.