

**DEADLINE EXTENTION**

**One master & one PhD student position in the project**

**EUSMI**

*European infrastructure for spectroscopy, scattering and imaging of soft matter*

**(Call H2020- INFRAIA-01-2016-2017 - Integrating Activities for Advanced Communities, GA 731019)**

**Funded under H2020-EU.1.4.1.2. - Integrating and opening existing national and regional research infrastructures of European interest - RIA - Research and Innovation action**



European  
Commission

Horizon 2020  
European Union funding  
for Research & Innovation

**Ref. 42904**

**Heraklion 11/12/2020**

The Institute of Electronic Structure and Laser (IESL) of the Foundation for research and Technology Hellas (FORTH), in the frame of the project EUSMI (Principal Investigator: Prof. D. Vlassopoulos), (Call: H2020-INFRAIA-01-2016-2017, Proposal number: 731019) funded under H2020-EU.1.4.1.2. – RIA, is seeking to recruit one (1) master and one (1) PhD student.

**Master student****Job description**

Investigation of rheological behavior in relation with the micro-structure and dynamics in colloidal glasses and gels. The experimental techniques of choice include rheology, optical microscopy and light scattering.

**Required qualifications**

- Degree in Physics, Chemical Engineering, Material Science or related field (20%)
- Experimental experience in soft matter and related techniques (20%)
- Background knowledge in Soft Matter Science (20%)
- Good knowledge of English (20%)

**Desirable qualifications**

- Experience in programming and data analysis (20%)

## **PhD student**

### **Job description**

Rheology of Colloidal systems with emphasis on out-of-equilibrium states such as glasses and gels. Investigation of rheological behavior and the underlying structural changes and dynamics in colloidal glasses and gels. A combination of experimental techniques involving linear and nonlinear rheology, optical microscopy and light scattering will be complemented with computer simulations. Phenomena such as the interplay of thermodynamic phases and out-of-equilibrium states and the effects external fields have on the above will be studied. Model systems of varying particle shape and interactions will be explored in parallel with simplified industrial formulations for specific applications. The candidate will work in an interdisciplinary field in a challenging multinational environment and will have the opportunity to collaborate with world leading labs in Europe and the US.

### **Required qualifications**

- Degree in Physics, Chemical Engineering, Material Science or related field (10%)
- Master's degree (MsC) in related field (10%)
- Experimental experience in rheology, optical microscopy or light scattering (20%)
- Knowledge of Soft Matter Physics (20%)
- Good knowledge of English (20%)
- Experience in computer simulations and data analysis (20%)

### **Master and PhD student positions**

**Location:** IESL-FORTH, Heraklion Crete GREECE

**Start Date:** 1<sup>st</sup> of February, 2021

**Project Duration:** 11 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 **January 8, 2021, 23:59 local Greece time** to the address ([hr@iesl.forth.gr](mailto:hr@iesl.forth.gr)), with cc to Prof. G. Petekidis ([georgp@iesl.forth.gr](mailto: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>)
- Brief CV
- Scanned copies of academic titles
- Certificate for enrolment in a master's or PhD program

### **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](mailto:hr@iesl.forth.gr)), tel. +30 2810-391301.

For information and questions about the advertised position and the research activity of the group or the institute, please contact Prof. G. Petekidis ([georgp@iesl.forth.gr](mailto:georgp@iesl.forth.gr)).

**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) working 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](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.