



Patras, 19/11/2020

Ref. No.: 41423

**Invitation for Expression of Interest:  
Postdoctoral/Research Assignment**

“Computer-aided design and optimization toolbox for membrane applications”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one postdoctoral/research assignment in the context of the research project “Open Innovation Test Bed for nano-enabled Membranes (INNOMEM), which is implemented under the H2020 Research and Innovation Action.

**Job Description**

To conduct research in the framework of the aforementioned project "INNOMEM". The main objective of the specific part of INNOMEM is to provide modeling algorithms, accurate geometry reconstructions, and true-to-mechanism simulators of the flow, heat and mass transport phenomena in specific membranes.

**Location:** FORTH/ICE-HT, Patras, Greece

**Duration:** 12 months, with the potential of renewal

**Salary:** Up to 2300 €/month (cost of the employer, including social security and taxes), depending on qualifications

**Envisaged starting date:** 1/1/2021

**Requirements and Qualifications**

Education level: Ph.D. in Chemical Engineering.

Proven experience in research projects.

Candidates must have good knowledge of English language.

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

Qualifications	Weight	Evaluation criteria
Proven experience in modeling, 3D reconstruction, and simulation of flow, heat and mass transport processes in membranes and relevant porous media	30	Duration of proven research experience
Proven experience in developing CFD methods and algorithms and the usage of established CFD software for particulate systems	20	Duration of proven research experience
Participation in externally funded projects in the aforementioned subjects	20	Duration of participation in funded projects
Publications in international journals and announcements in conferences in the aforementioned subjects	20	Number of publications in journals, number of presentations and announcements in conferences and symposia
Research interests	10	Relevance, plans and potential

**Application Submission**

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 8/12/2020, 16.00h, by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr).

In order to be considered, the application must include:

- Application letter
- CV with clear description of the simulation methods developed by the applicant



- Scanned copies of academic titles and/or certificates. If the PhD certificate is not issued yet, an official letter from the secretary of the Department is required to testify completion of all requirements
- Statement of research interests

**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. If necessary, certain candidates will be invited to a personal interview with the committee.

The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of “DIAVGEIA”.

### **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](mailto: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. Vasilis Burganos, e-mail: [vbur@iceht.forth.gr](mailto:vbur@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](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.

For FORTH/ICE-HT,  
Vasilis Burganos  
Director

