



FOUNDATION FOR RESEARCH AND TECHNOLOGY-HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES (FORTH/ICE-HT)

Patras, 27.05.2016

Ref. No.: 1400

**Invitation for Expression of Interest:
Research Assistant “Design novel procedures for the characterization of graphene related materials (GRM) depending on their potential applications”**

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one position of a research assistant in the context of the research project **“Graphene Core 1, GA: 696656 – Graphene-based disruptive technologies”**. The project is implemented under the EU-Horizon 2020 Research & Innovation Actions (RIA) and is financially supported by EC-financed parts of the Graphene Flagship.

Job Description

To conduct research in the framework of the aforementioned project “Graphene Core 1, GA: 696656 – Graphene-based disruptive technologies”. The objective of this project is to translate the exceptional properties of graphene from the nanoscale up to useful macroscopic materials; in particular bulk composites based on graphene related materials (GRM) and polymers. To develop innovative and industrially relevant applications of GRM it is fundamental to have a realistic evaluation of the produced materials. The quality of GRM produced by different producers and different partners needs quantification in order to get a fair complete understanding of the correlation between the nano-properties and the macroscopic performance of the composites. Thus, the potential candidate should be able to perform characterization tests, based on Raman and scanning probe techniques but also to develop characterization procedures for the GRM depending on their potential applications. In parallel, he/she should work in collaboration with the research fellows and assistants of the group for accomplishing the corresponding tasks and subtasks of the project.

Location: FORTH/ICE-HT, Patras, Greece

Duration: 12 months, with a potential of renewal, under the same conditions, according to the needs of the project

Salary: up to 1.450 € per month (VAT excluded), depending on qualifications

Envisaged starting date: 01/07/2016

Requirements and Qualifications

The candidates are required to hold a Diploma in Chemical Engineering. Moreover, the candidates must be fluent in Greek and English, in order to meet working conditions. The appropriate candidate should have:

- (a) Previous research experience in an industrial environment, which is strongly required (at least 3 years)
- (b) Experience in the preparation and characterization of materials, especially in graphene and other 2D related materials
- (c) A great scientific background in materials, especially in 2D related materials
- (d) Analytical thinking
- (e) Strong personality and good communication skills



- (f) Be a flexible and reliable person
- (g) Be capable of autonomous working

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

Qualifications	Weight	Evaluation criteria
Diploma in Chemical Engineering	30	Grade Diploma, courses in Polymers and Surfaces
Awards of excellence	10	Number and type of awards
Proven industrial experience (minimum 3 years) in tandem with research and lab experience in : (i) Metrology and standardization methodologies, (ii) Characterization techniques	50	Duration of proven research experience in industry and in research groups and projects
Research interests	10	Relevance, plans and potential

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than June 10th, 2016, 14:00h., by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr. In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles
- 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". The selected candidate will be notified and asked to accept the position within three (3) working days and to present all relevant documents that should match the submitted ones.

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 Costas Galiotis, tel: +30 2610 965255, e-mail: c.galiotis@iceht.forth.gr.

For FORTH/ICE-HT,
Vasilis Burganos, Director

