



Patras, 28/8/2017

Ref. No.: 2034

### Invitation for Expression of Interest:

#### Research Project Assistant “Enabling research strategies between applied research and industry in the development of GRM composites”

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

#### Job Description

To conduct project management in the framework of the aforementioned project “**Graphene Core 1, GA: 696656 – Graphene-based disruptive technologies**”. The aim of this job is the research of graphene and other 2D materials as a mean of reinforcement in GRM composites as well the management of the scientific activities of several research groups and industrial partners within the working package “**Polymer Composites**” of the aforementioned project. In particular, the job consists in the following main tasks:

- Research activities related to graphene and to other 2D related materials, such development of conductive coatings and study of mechanical properties
- Management of research activities of the academic and industrial partners of the project for accomplishing the corresponding tasks and subtasks.
- Management of the day to day business in the research group and program management, by designing and establishing a full process development roadmap.
- Prepare the corresponding reports (technical and economical) for project’s evaluation.

The potential candidate should be also responsible for the following main tasks:

- Production and characterization of graphene and other 2D related materials, using techniques such as Raman spectroscopy, Atomic Force Microscopy etc in conjunction with mechanical testing.
- Organization of activities and national and international meetings.
- Identification of requirements for the research and develop tactics for future challenges.
- Scientific supervision of potential master and/or PhD thesis

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

**Duration:** 5 months with the potential of renewal

**Salary:** 2.725€ per month (VAT excluded)

**Envisaged starting date:** 01/11/2017



### Requirements and Qualifications

The candidates are required to hold a Materials Engineering Diploma and a PhD in Materials Engineering, with experience in project management and reporting, in tandem with a strong expertise in graphene and 2D related materials, mechanical deformation of composite materials and characterization techniques such as Raman spectroscopy. Moreover, the candidates must be fluent in Greek, English and Italian in order to meet working conditions. The appropriate candidate should have:

- a) Strong know-how in the preparation and characterization of graphene (or related carbon based materials) and 2D related materials
- b) Strong expertise in the preparation and characterization of composite materials
- c) Experience in project management and reporting
- d) Research experience in an industrial environment
- e) Be able to lead teams
- f) A great scientific background in materials, especially in polymers and composites
- g) Analytical thinking
- h) Strong personality and good communication skills
- i) Be a flexible and reliable person
- j) 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 Materials Engineering	20	Diploma Grade, courses in polymer and composite materials
PhD in Materials Engineering	25	PhD in Materials Engineering, Dissertation relevant to Raman spectroscopy and its application on polymer based composite materials
Proven research and lab experience (minimum 4 years): (i) Mechanical deformation of materials (ii) Characterization techniques such as Raman spectroscopy and Atomic Force Microscope (iii) Study of graphene and other 2D related materials (iv) Investigation of physical properties of polymers and polymer-based composites	25	Duration of proven research experience in research groups and projects. Quality and number of publications in refereed journals and conference proceedings
Proven experience in project management	10	Duration of proven experience
Research interests	10	Relevance, plans and potential
Awards of excellence	10	Number and type of awards



**Application Submission**

Interested candidates who meet the aforementioned requirements should submit their applications, no later than September 11<sup>th</sup>, 2017, 14:00h, 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
- 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](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 Professor Costas Galiotis, tel: +30 2610 965255, e-mail: [c.galiotis@iceht.forth.gr](mailto:c.galiotis@iceht.forth.gr) .

For FORTH/ICE-HT,

Vasilis Burganos  
Director

