HELLENIC REPUBLIC
MINISTRY OF EDUCATION, RESEARCH AND RELIGIOUS AFFAIRS
SECRETARIAT FOR RESEARCH AND TECHNOLOGY

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

Patras, 16.03.2016
Ref. No.: 688

Invitation for Expression of Interest:
Research Assistant "Development of new characterization techniques for studying graphene related materials and 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 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 aim of this research 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. A key challenge to allow widespread use of GRM in industry is to develop effective techniques to characterize the quality, size and properties of GRM to be used in composites. Quality of GRM produced by different producers and different partners should be measurable and comparable. An important part of the project will be thus dedicated to characterization of the composites produced using standard techniques (Raman, stress-strain curves, etc.) and to develop new techniques able to study such complex materials consisting of 2D sheets embedded in 3D materials.
The potential candidate should be also responsible for the following main tasks:
(a) Develop appropriate tools for continuous measurable process control to secure the stability of the produced materials
(b) Indentify requirements of standardization of Raman measurements for all the examined 2D materials
(c) Work in collaboration with the research fellows and assistants of the group for accomplishing the corresponding tasks and subtasks

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 1.100 € per month (VAT excluded), depending on qualifications
Envisaged starting date: 01/05/2016

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
(b) Experience in the preparation and characterization of materials, especially in graphene and other 2D related materials

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(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 March 31st, 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