



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

Patras, 23.06.2015

Ref. No.: 2022

**POST-DOCTORAL FELLOWSHIP "Optical spectroscopy of nanomaterials"**

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral position in the context of the research project "EXCELLENCE II 4470: GRAPHENE PHYSICS IN THE TIME DOMAIN AND APPLICATION TO 3D OPTICAL MEMORIES".

The project is implemented in the frame of the Operational Program "Education and Lifelong Learning 2007-2013" - Action «EXCELLENCE II» - No 4470, and is co-financed by the European Union (European Social Fund) and Greek national funds.

**Job Description**

The title of research work is "GRAPHENE PHYSICS IN THE TIME DOMAIN AND APPLICATION TO 3D OPTICAL MEMORIES". The job concerns the investigation of physical properties of graphene using optical spectroscopic techniques in the time domain as well as the development of a novel three dimensional optical data storage memory based on graphene which is expected to show storage capacity three orders of magnitude greater than capacities achieved in conventional DVD disks.

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

**Duration:** 3 months

**Salary:** 7.380,00 €

**Requirements and Qualifications**

The candidates must be Chemists, Physicists, Materials Scientists or Chemical Engineers with a PhD degree in optical spectroscopy of materials and proven experience in the development of optical spectroscopy systems. Candidates must also have proven experience in the production and spectroscopic characterization of nanomaterials.

**Application Submission**

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than the July 7<sup>th</sup>, 2015 by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr).

In order to be considered, the application must include:

1. CV
2. Scanned copies of academic titles

**Any application received after the deadline will not be considered for the selection.**

**Selection Procedure**

[www.iceht.forth.gr](http://www.iceht.forth.gr)

Stadiou Str., Rio, P.O. Box 1414, GR - 265 04 Patras, Greece

Tel.: +30 2610 965 300, Fax: +30 2610 990 987

email: [admin@iceht.forth.gr](mailto:admin@iceht.forth.gr)



Ευρωπαϊκή Ένωση  
Ευρωπαϊκό Κοινωνικό Ταμείο



ΥΠΟΥΡΓΕΙΟ ΠΑΙΔΕΙΑΣ ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ  
ΕΙΔΙΚΗ ΥΠΗΡΕΣΙΑ ΔΙΑΧΕΙΡΙΣΗΣ

Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης



ΕΥΡΩΠΑΪΚΟ ΚΟΙΝΩΝΙΚΟ ΤΑΜΕΙΟ

Applications that are received on time are going to be reviewed by the scientific committee. The committee will select the candidacies that best match the position and project requirements, based on the score that they will get according to the criteria table as shown below. If necessary, certain candidates will be invited to a personal interview with the committee on a specific date and time that will be announced.

The successful candidates will be personally notified and will be asked to present the required documents in original form after the results announcement on the web. In the case that the presented documents don't match those submitted, the candidates will be dismissed from the procedure.

Regarding the selection of candidates for the position of one postdoctoral researcher in the frame of the project "EXCELLENCE II 4470: GRAPHENE PHYSICS IN THE TIME DOMAIN AND APPLICATION TO 3D OPTICAL MEMORIES" as announced by FORTH/ICE-HT, the review procedure will be as follows:

(A) Applications will be evaluated based on the score from 1-100 that they will get according to the following table:

Qualifications	Weight	Evaluation
Bachelor of Science in Chemistry, Physics, Materials Science or Diploma in Chemical Engineering	20	YES/NO
PhD in optical spectroscopy of materials	30	YES/NO
Experience in the development of optical spectroscopy systems	20	Duration of proven research experience in research groups and projects
Experience in the production and spectroscopic characterization of nanomaterials	30	Duration of proven research experience in research groups and projects

(B) The result of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".

Candidates have the right to appeal the selection decision, by addressing their written objection to the ICE-HT secretariat within three (3) working days since the results announcement on the web. They also have the right to access (a) the personal files of the candidates as well as (b) the table of candidates' scores in line with the Γ/ΕΞ/4163-1/06.07.2012 document of the Hellenic Data Protection Authority. All the above information related to the selection procedure will be available at the secretariat of FORTH/ICE-HT.

After the expiration of the appeal period and the review of the objections by the committee, the evaluation of the candidacies is finalized. Then the committee will ask the successful candidates to accept the position within three (3) working days and to present all relevant documents in original form. In the case that the presented documents don't match those submitted, the candidates will be dismissed from the procedure as well as in the case of non-acceptance or non-response on time. In these cases, the candidate with the second



higher score will be asked to accept the position according to the same procedure. This will be repeated until a suitable candidate is accepts the position. In case of no candidate accepting the position, the position will be declared vacant.

### 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 Kostas Papageglis, tel: +30 2610 969926, e-mail: [kpapag@upatras.gr](mailto:kpapag@upatras.gr).

For FORTH/ICE-HT,

Vasilis Burganos  
Director



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