



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

Patras, March 21<sup>st</sup>, 2014

Ref. No.: 988

**INVITATION FOR EXPRESSION OF INTEREST**

**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 frame of the funded research programme titled “ARISTEIA II: 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” and is co-financed by the European Union (European Social Fund) and Greek national funds.

**Job Description**

The work is dedicated to:

- i) the investigation of physical properties of graphene using optical spectroscopic techniques in the time domain, and
- ii) ii) to developed 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.

The successful candidate will be part of a highly cross-disciplinary research team. The team has worked successfully for many years on various aspects of carbon based nanomaterials and more recently conducted pioneered work on the physicomechanical properties of graphene.

**Duration**

17 months

**Salary**

41.820 €

**Requirements and Qualifications**

We particularly welcome a Physicist, Material Scientist or Engineer with proven expertise in optical spectroscopy or nanotechnology. Other related disciplines will also be considered. The eligible candidate should have a PhD at the time of the contract commencement.

PhD in optical spectroscopy of materials (50%). Experience with the development of optical spectroscopy systems (30%). Experience with production and growth of nano-materials (20%).

**Deadline for submission of expression of interest**

The position is open to suitably qualified candidates of any nationality. Indicative closing date for applications is the 4<sup>th</sup> of April, 2014.

**Application procedure**

Please send your detailed CV and related materials, in PDF format, to [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr).

**Evaluation - right to access documents / lodge appeal**

Three-member Committee will evaluate the nominations.

The evaluation results will be posted on the website of FORTH / ICE-HT.

Following the posting of the results, interested parties have the right to:

- Lodge an appeal within five days of the day following the posting of the evaluation results.
- Access, within five days of the day following the posting of the evaluation results, after submitting a written request to the Contracting Authority, to the individual files and the individual evaluation/grading sheets of the remaining candidates provided the provisions are met in document no. C/EX/ 4163-1/06.07.2012 from the Hellenic Personal Data
- Protection Authority, ie. when he has a legitimate interest to defend his rights before the courts.

**Contact**

For more information about FORTH/ICE-HT please visit the URL <http://www.iceht.forth.gr>

For further information about the post-doctoral fellowship please contact Prof. K. Papagelis, e-mail: [kpapag@upatras.gr](mailto:kpapag@upatras.gr), or Dr. John Parthenios, e-mail: [jparthen@iceht.forth.gr](mailto:jparthen@iceht.forth.gr) .



For FORTH/ICE-HT,

Vasilis Burganos  
Director