



Πάτρα, 16/5/18  
Αρ. Πρωτ.: 1124

**Θέμα: Πρόσκληση εκδήλωσης ενδιαφέροντος για απονομή υποτροφίας**

Ο Διευθυντής του ΙΤΕ/ΙΕΧΜΗ Βασίλειος Μπουργανός έχοντας υπόψη

1. Τον ν. 4310/2014 «Έρευνα, Τεχνολογική Ανάπτυξη και Καινοτομία και άλλες διατάξεις» όπως τροποποιήθηκε και ισχύει με τον ν.4386/2016 «Ρυθμίσεις για την έρευνα και άλλες διατάξεις»
2. Τον ν.4270/2014 «Αρχές δημοσιονομικής διαχείρισης και εποπτείας (ενσωμάτωσης της Οδηγίας 2011/85/ΕΕ) – δημόσιο λογιστικό» για τον έλεγχο των δαπανών βάσει του Προϋπολογισμού του ΙΤ
3. Το ΠΔ 432/1987 «Σύσταση νομικού προσώπου ιδιωτικού δικαίου με την επωνυμία «ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ»
4. Τον Εσωτερικό Κανονισμό του ΙΤΕ (ΦΕΚ Β' 1584/31.07.2009) όπως τροποποιήθηκε και ισχύει (ΦΕΚ Β' 2193/31.12.2010)
5. Τον ν. 4412/2016 «Δημόσιες συμβάσεις έργων, προμηθειών και υπηρεσιών»
6. Τις διατάξεις του ΠΔ 80/2016 περί αναλήψεως υποχρεώσεων από τους Διατάκτες
7. Την απόφαση του Υπουργείου Παιδείας, Δια Βίου Μάθησης και Θρησκευμάτων με αριθμό 14534/17.12.2013 (ΦΕΚ ΥΟΔΔ 638/20.12.2013) για τον ορισμό Διευθυντή ΙΕΧΜΗ του ΙΤΕ
8. Την υπ. αριθ. 133654/2017 απόφαση του Υπουργού και Αναπληρωτή Υπουργού Παιδείας, Έρευνας και Θρησκευμάτων για την ανασυγκρότηση του ΔΣ του ΙΤΕ (ΦΕΚ ΥΟΔΔ 396/16.08.2017)
9. Την γενική πολιτική και τις σχετικές αποφάσεις του ΔΣ του ΙΤΕ
10. Την υπ' αριθμ. 374/27-6/24.4.2018 απόφαση του ΔΣ/ΙΤΕ με την οποία εγκρίνεται η εκτέλεση του έργου

αποφασίζει

α) την προκήρυξη πρόσκλησης εκδήλωσης ενδιαφέροντος για απονομή υποτροφίας με αντικείμενο **“Production and evaluation of hierarchical graphene related material (GRM)/fibre composite structures for aerospace and automotive industries”** στο πλαίσιο του ερευνητικού έργου **“Graphene Flagship Core Project 2, GA: 785219”**, το οποίο πραγματοποιείται στο πλαίσιο του προγράμματος Ορίζοντας 2020: Research & Innovation Actions (RIA) και χρηματοδοτείται από την κοινοπραξία Graphene Flagship,

β) να δοθεί δημοσιότητα στην ως άνω πρόσκληση με την ανάρτηση του κειμένου στο Δικτυακό τόπο του ΙΤΕ/ΙΕΧΜΗ (<http://www.iceht.forth.gr>) και στο Δικτυακό τόπο <http://ec.europa.eu/euraxess/#> για το διάστημα από 16/5/2018 έως και 30/5/2018.

Ο Διευθυντής,  
Βασίλειος Μπουργανός





Patra, May 16, 2018  
Ref. No.: 1124

### Invitation for Expression of Interest:

### PhD Fellowship “Production and evaluation of hierarchical graphene related material (GRM)/fibre composite structures for aerospace and automotive industries”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one PhD fellowship in the context of the research project “Graphene Flagship Core Project 2, GA: 785219”. 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 Flagship Core Project 2, GA: 785219”. The aim of this research is to produce and to evaluate different GRMs with commercial carbon fibers and polymers (e.g. in pre-pregs form) in order to create composites with hierarchical micro-nano structure. Spectroscopic characterization in tandem with mechanical measurements are required for the assessment of their performance. The composites produced will be further validated by the industrial end-users involved in the project.

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

- a) Preparation and evaluation of GRM-fibre composites
- b) Assessing the properties of produced materials using techniques such as Raman spectroscopy, Scanning Electron Microscopy (SEM), Atomic Force Microscopy (AFM) in conjunction with mechanical testing.

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

**Duration:** 12 months, with the potential of renewal

**Salary:** Up to 850 € per month

**Envisaged starting date:** 01/07/2018

#### Requirements and Qualifications

The candidates are required to hold a Degree in Materials Science. A Master’s degree in Polymer Science and Technology is mandatory. Moreover, the candidates must be fluent in Greek and English, in order to meet working conditions.

The appropriate candidate should have:

- a) Experience in the production and characterization of graphene (or related carbon based materials) and 2D related materials
- b) Proven industrial experience in tandem with research and lab experience
- c) Analytical skills and thinking for processing database
- d) A great scientific background in materials, especially in 2D related materials
- e) Background in optical spectroscopy of 2D materials
- f) Strong personality and good communication skills
- g) Be a flexible and reliable person
- h) Be capable of autonomous working

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



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

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P.O. Box 1414  
GR 265 04 Patras, Greece  
Tel. +30 2610 965300  
Fax +30 2610 990987  
Email: [admin@iceht.forth.gr](mailto:admin@iceht.forth.gr)

Qualifications	Weight	Evaluation criteria
Degree in Materials Science	30	Diploma Grade
Master in Polymer Science and Technology	10	Master of Science Grade, Dissertation relevant to polymer processing and characterization
Awards of excellence	10	Number and type of awards
Proven lab (minimum 2 years) and industrial experience (up to 3 years) in : (i) Characterization techniques such as Raman spectroscopy (ii) Mechanical deformation of materials	30	Duration of proven research experience in industry and in research groups and projects.
Research interests	20	Relevance, plans and potential

### Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 30 May, 2018, 23:59h., 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".

Candidates have the right to appeal the selection decision, by addressing their written objection to the ICE-HT secretariat within five (5) days after the results announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of ICE-HT in line with the Hellenic Data Protection Authority. 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

