Θέμα: Πρόσκληση εκδήλωσης ενδιαφέροντος για εκπόνηση ερευνητικού έργου

Ο Διευθυντής του ΙΤΕ/ΙΕΧΜΗ Βασίλειος Μπουργανός έχοντας υπόψη

1. Τον ν. 4310/2014 «Ερευνα, Τεχνολογική Ανάπτυξη και Καινοτομία και άλλες διατάξεις» όπως τροποποιήθηκε και ισχύει με τον ν.4386/2016 «Ρυθμίσεις»
2. Τον ν.4270/2014 «Αρχές δημοσιονομικής διαχείρισης και εποπτείας (ενσωμάτωση της Οδηγίας 2011/85/ΕΕ) – δημόσιο λογιστικό»
3. Το ΠΔ 432/1987 «Σύσταση νομικού προσώπου ιδιωτικού δικαίου με την επωνυμία ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ»
5. Το ν. 4412/2016 «Δημόσιες συμβάσεις έργων, προμηθειών και υπηρεσιών»
6. Τις διατάξεις του ΠΔ 80/2016 περί αναλήψεως υποχρεώσεων από τους Διατάκτες
7. Την υπ’ αριθ. 133654/2017 απόφαση του ΔΣ/ΙΤΕ με την οποία εγκρίνεται η εκτέλεση του έργου

α) την προκήρυξη πρόσκλησης εκδήλωσης ενδιαφέροντος για εκπόνηση ερευνητικού έργου με αντικείμενο “Mixing graphitic based inclusions with polymeric matrices” στο πλαίσιο του ερευνητικού έργου “Smart by Design and Intelligent by Architecture for turbine blade fan and structural components Systems (SMART-FAN)”, το οποίο πραγματοποιείται στο πλαίσιο του προγράμματος Ορίζοντας 2020 και χρηματοδοτείται από την Ευρωπαϊκή Επιτροπή,


О Διευθυντής
Βασίλειος Μπουργανός
Patras, 25 April 2018
Ref. No.: 895

Invitation for Expression of Interest:
Postdoctoral/Research Assignment: “Mixing graphitic based inclusions with polymeric matrices”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral/research assignment in the context of the research project “Smart by Design and Intelligent by Architecture for turbine blade fan and structural components Systems”, with the acronym “SMART-FAN”, proposal ID: 760779-2. The project is implemented under the EU-Horizon 2020 Research & Innovation Actions (RIA) and is financially supported by EC.

Job Description
To conduct research in the framework of the aforementioned project. SMARTFAN proposes the development of “smart” material and product architectures that will interact with their environment and react to stimuli by employing biomimetic, self-sensing, actuating and damage-repairing technologies. Their smartness is based on the use of, (i) low and high grade carbon fibres (CF), (ii) CF reinforced polymers (CFRPs) and (iii) nano-/micro-composites with special physicochemical properties, in order to develop smart (bulk) materials, applied on intelligent structures, as denoted by the DoA. The aim of this research is the production of polymer composites with graphitic based inclusions to be used as core materials for “smart” materials and product architectures.

The potential candidate should be also responsible for the following main tasks:
  a) Conduct research related to mixing graphitic inclusions of several types (powder, flakes, fibres) with polymers
  b) Collaborate with other partners of the project
  c) Scientific supervision of undergraduate student

Location: FORTH/ICE-HT, Patras, Greece
Duration: 1 month, with the potential of renewal
Salary: 2.840 € per month (total cost of the employer, including social security and taxes)
Envisaged starting date: 01/06/2018

Requirements and Qualifications
The candidates are required to hold a Diploma in Physics or in Chemistry or in Materials Science, a Master’s degree and a PhD in Polymer Science and Technology. Moreover, the candidates must be fluent in Greek and English, in order to meet the working conditions. The appropriate candidate should have:
  (a) Experience in mixing graphitic inclusions with polymers
  (b) Analytical thinking
  (c) Strong personality and good communication skills
  (d) Be a flexible and reliable person

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

<table>
<thead>
<tr>
<th>Qualifications</th>
<th>Weight</th>
<th>Evaluation criteria</th>
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<tbody>
<tr>
<td>Diploma in Materials Science</td>
<td>15</td>
<td>Diploma Grade, courses in polymers and composite materials</td>
</tr>
<tr>
<td>Master of Polymer Science and Technology</td>
<td>20</td>
<td>Master’s Grade, thesis relevant to mixing graphitic materials with polymers</td>
</tr>
</tbody>
</table>
PhD in Polymer Science and Technology | 30 | PhD in Polymer Science and Technology, relevant to mixing graphitic materials with polymers
---|---|---
Proven lab experience in:  
(i) Graphitic materials  
(ii) Mixing graphitic materials with polymers  
(iii) Composite materials production | 20 | Research experience in research groups active in the field of polymer composites and graphitic materials
---|---|---
Research interests | 15 | Relevance, plans and potential

**Application Submission**

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 10/5/2018, 23:59h., 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