Θέμα: Πρόσκληση εκδήλωσης ενδιαφέροντος για μεταπτυχιακή υποτροφία

Ο Διευθυντής του ΙΤΕ/ΙΕΧΜΗ Βασίλειος Μπουργανός έχοντας υπόψη:

1. Τον ν. 4310/2014 «Έρευνα, Τεχνολογική Ανάπτυξη και Καινοτομία» 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 έρευνα και άλλες διατάξεις»
3. Τον ν. 432/1987 «Σύσταση νομικού προσώπου ιδιωτικού δικαίου με την επωνυμία "ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑ ΚΑΙ ΕΡΕΥΝΑ"»

α) την προκήρυξη πρόσκλησης εκδήλωσης ενδιαφέροντος για απονομή υποτροφίας με αντικείμενο “Study of damping and mechanical properties of multifunctional composite materials” 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,


Ο Διευθυντής, Βασίλειος Μπουργανός
Invitation for Expression of Interest:
Phd Fellowship: “Study of damping and mechanical properties of multifunctional composite materials”

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 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 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 aim of this research is to study the mechanical and electrical characteristics of polymer-based materials with embedded graphitic inclusions, to study the mechanical performance of the materials developed by other partners after environmental aging, to investigate the damping and the multifunctional properties of several materials combinations, as denoted by the DoA. Part of the conducted research will also be conducted on testing large scale parts manufactured by the end users that participate in the project.

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

a) Conduct research activities related to damping and mechanical properties of composites, including composites with graphitic inclusions of several types (powder, flakes, fibres)

b) Work in collaboration with the other research and industrial partners of the project for accomplishing the corresponding tasks and subtasks

c) Scientific supervision of undergraduate student

Location: FORTH/ICE-HT, Patras, Greece
Duration: 4 months, with the potential of renewal
Salary: up to 840 € per month
Envisaged starting date: 01/04/2018

Requirements and Qualifications
The candidates are required to hold a Mechanical Engineering and Aeronautics Diploma and registered as a PhD candidate. 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 mechanical behavior of composites and characterization of damping of such materials

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:

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<tr>
<th>Qualifications</th>
<th>Weight</th>
<th>Evaluation criteria</th>
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<tbody>
<tr>
<td>Diploma in Mechanical Engineering and Aeronautics</td>
<td>60</td>
<td>Diploma Grade,</td>
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courses in polymer and mechanics of composite materials

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<th>Proven lab experience in:</th>
<th>Research experience in research groups that work on composites and mechanical behavior</th>
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<tr>
<td>(i) Damping study of composites,</td>
<td>25</td>
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<td>(ii) Mechanical behaviour of composite materials</td>
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Research interests

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<th>Research interests</th>
<th>Relevance, plans and potential</th>
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Application Submission
Interested candidates who meet the aforementioned requirements should submit their applications, no later than February 8th, 2018, 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