



OPENING for

One “Stavros Niarchos Foundation – FORTH Fellowships” for Ph.D. candidate

within the project

ARCHERS: Advancing Young Researchers’ Human Capital in Cutting Edge Technologies in the Preservation of Cultural Heritage and the Tackling of Societal Challenges

Exclusively funded by the Stavros Niarchos Foundation



ΙΔΡΥΜΑ ΣΤΑΥΡΟΣ ΝΙΑΡΧΟΣ
STAVROS NIARCHOS FOUNDATION

Ref. 1242

Patras, 23 May 2017

The Institute of Chemical Engineering Sciences (ICE/HT) of the Foundation for research and Technology Hellas (FORTH), in the framework of the project ARCHERS, aimed at reducing or even reversing the *brain drain*, which is funded by an exclusive donation of the *Stavros Niarchos Foundation*, is seeking to recruit one Ph.D. candidate.

Title

Nonlinear optical response of graphenes, nanoribbons and other carbon based nanomaterials

Description

The candidate is expected to perform experiments aiming to study the nonlinear optical response of various carbon based nanostructures and allotropic forms of carbon (e.g. graphenes and derivatives, nanoribbons, etc.) employing fsec, ps and ns laser systems.

Eligibility Criteria

- B.Sc. degree in Physical Sciences
- M.Sc. degree in Physical Science
- Good knowledge of Greek and English language

Criteria for Selection

- Grade Point Average (G.P.A.) of the M.Sc. studies (15 %)
- Good experience in using and ensuring the good operation of nano-second, pico-second and femto-second laser systems (25%)
- Experience in experimental nonlinear optics, preferably in techniques like or related to Z-scan technique, Wave Mixing techniques (i.e. FWM, DFGW, Optical Kerr Effect (OKE), 2nd and 3rd harmonic generation (25%)
- Experience in different material characterization techniques and instrumentations (i.e., XRD, DLS, UV-Vis, AFM) (25%)
- Participation in conferences and publications in referred journals (10%)

Location: ICE/HT-FORTH, Patras, GREECE

Expected start date: 1st of August, 2017

Duration of appointment: 12 months (with possibility of extension according to the needs of the project).

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **June 30th, 2017, 23:59 local time (Greece)** to the address kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Filled-in Application Form (attached)
- Detailed curriculum vitae (CV) of the candidate
- Copies of academic titles/transcripts
- At least one reference letter (optionally, the reference letter could be enclosed in an envelope that must reach Ms. Kleanthi Zacharopoulou at the address: FORTH/ICE-HT, Stadiou street, Platani, Patras 26504 by the closing date for applications; the closed envelope will be handed to the evaluation committee)

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

Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact Ms. Kleanthi Zacharopoulou (kleanthi@iceht.forth.gr, Tel. +30 2610 965 278).

Selection Announcement

The result of the selection will be announced on the website of ICE/HT-FORTH.

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 result 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-FORTH in line with the Hellenic Data Protection Authority.

TO :

FOUNDATION OF RESEARCH AND TECHNOLOGY (FORTH)
 INSTITUTE OF CHEMICAL ENGINEERING SCIENCES (ICE/HT)
 STADIOU STR., PLATANI, P.O. BOX 1414
 GR-26504, PATRAS
 HELLAS

APPLICATION FORM FOR Ph.D. CANDIDATE FELLOWSHIP

NAME	
SURNAME	
DATE OF BIRTH	
NATIONALITY	
TELEPHONE	
EMAIL	
SUBMITTED WITH THIS APPLICATION	1. 2. 3. 4.

Hereby I submit my application as a candidate for a Ph.D. fellowship:

..... [Job Description]

in the framework of the project ARCHERS, carried out by the Foundation for Research and Technology Hellas (FORTH), and funded by the Stavros Niarchos Foundation.

I certify that:

- A) I accept the terms and conditions of the job announcement
- B) I possess all the necessary certificates and documents and I can present them in their original form without any delay if I am asked to do so

DATE & SIGNATURE