



HELLENIC REPUBLIC

MINISTRY OF EDUCATION, RESEARCH AND RELIGIOUS AFFAIRS

**FORTH**

FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS

INSTITUTE OF APPLIED AND COMPUTATIONAL MATHEMATICS

**OPENING for**

**One Post-doctoral “Stavros Niarchos Foundation – FORTH Fellowship” 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. Number: 78****Heraklion 1<sup>st</sup> February, 2017**

The Institute of Applied and Computational Mathematics (IACM) 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 (1) post-doctoral researcher.

**Job Description**

The Post-doctoral researcher awarded the Stavros Niarchos Foundation – FORTH fellowship is expected to perform high-quality research on Computational Modeling of Nanostructured Materials with Applications in Energy. The research will focus on the development of novel molecular simulation methodologies for the study of complex polymeric based nanostructured molecular systems. The methods will be applied on various hybrid systems, such as heteroarm star polymers in solution and in melt, aiming in the understanding of the structural and the dynamical behavior and for the knowledge-based design of processes in such systems.

**Eligibility criteria**

- PhD in Mathematics, Applied Mathematics, Physics, Chemistry, Materials Science, or Chemical Engineering.
- Good knowledge of Greek and English Language
- Experience in molecular simulations of polymeric materials

**Desirable qualifications**

- Good background in theory and modeling of hybrid macromolecular systems (30 %)
- Experience in mathematical and computational modeling of molecular systems (25 %)
- Good knowledge in programming (e.g. C++, Fortran90, etc.) (25 %)
- Publications in peer-reviewed journals (20%)

**Location:** IACM-FORTH, Heraklion Crete GREECE

**Start Date:** 1<sup>st</sup> of April, 2017

**Duration of appointment:** 12 months

**Application Submission**

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than the **28 of February 2017, 23:59 local time (Greece)** to the address ([mariapap@iacm.forth.gr](mailto:mariapap@iacm.forth.gr)).

**In order to be considered, the application package must include:**

- Filled-in Application Form (attached)
- Detailed curriculum vitae (CV) of the candidate
- Copies of academic titles/transcripts
- Language certificates

**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 the IACM secretariat ([mariapap@iacm.forth.gr](mailto:mariapap@iacm.forth.gr)), tel. +30 2810-391800. For additional information on the specific research subject, candidates may contact Prof. V. Harmandaris, [harman@uoc.gr](mailto:harman@uoc.gr).

**Selection Announcement**

The result of the selection will be announced on the website of IACM-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the IACM secretariat within five (5) days since 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 IACM-FORTH in line with the Hellenic Data Protection Authority.

TO : FOUNDATION FOR RESEARCH AND TECHNOLOGY (FORTH)  
 INSTITUTE OF APPLIED AND COMPUTATIONAL MATHEMATICS (IACM)  
 N. PLASTIRA 100  
 70013 HERAKLION CRETE

**APPLICATION FORM  
 FOR A STAVROS NIARCHOS FOUNDATION – FORTH POST-DOCTORAL FELLOWSHIP**

<b>NAME</b>	
<b>SURNAME</b>	
<b>DATE OF BIRTH</b>	
<b>NATIONALITY</b>	
<b>TELEPHONE</b>	
<b>EMAIL</b>	
<b>SUBMITTED WITH THIS APPLICATION</b>	1. .... 2. .... 3. .... 4. .... 5. .... 6. ....

Hereby I submit my application for a Stavros Niarchos Foundation – FORTH Post-doctoral Fellowship:

Ref. Number

.... [Job Description]..... ..... ..... .....
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**in the framework of the project ARCHERS, carried out by the Foundation for Research and Technology Hellas (FORTH) and funded by an exclusive donation of 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