

ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΠΑΙΔΕΙΑΣ, ΕΡΕΥΝΑΣ ΚΑΙ ΘΡΗΣΚΕΥΜΑΤΩΝ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ

**ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ
ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ**

Ταχ. Διεύθυνση: Ν. Πλαστήρα 100
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Αρ.Πρωτ. 199
Ηράκλειο 12-2-2018

**Call for expression of interest for a position of an Electromagnetic Simulations Developer
in the Institute of Computer Science (ICS)
Foundation for Research and Technology – Hellas (FORTH)**



Position(s): One (1) position of an electrical engineer, Electromagnetic Simulations Developer
Project: VisorSurf - A Hardware Platform for Software-driven Functional Metasurfaces, funded under Horizon 2020, H2020-FETOPEN-1-2016-2017
Desired starting date: April 1, 2018
Duration: 12 months on a full time basis with possibility of extension
Location: Heraklion, Crete, Greece
Opening date: 12/02/2018
Closing date: 26/02/2018
Ref.: "VISORSURF-02-Feb2018"

Description

We seek an experienced member for our team, holder of an electrical engineering degree and a strong background in software development for electromagnetics simulations. The candidate will participate in the R&D activities of FORTH in the context of the project VisorSurf - A Hardware Platform for Software-driven Functional Metasurfaces, funded under Horizon 2020, H2020-FETOPEN-1-2016-2017

In the context of VisorSurf project, FORTH, along with the project's partners, will develop a software framework for designing, profiling and evaluating software-driven metasurfaces. The developed framework will combine a wide array of fully customizable electromagnetic simulations, to study and model the process of tuning a metasurface for a required end-functionality.

As such, prior experience in electromagnetic simulation approaches, specialized parallel processing techniques and the associated tools, as well as the ability to communicate with and work as a member of an international, multicultural research consortium, are all very important aspects for the position offered.

- **Required qualifications:**

- Electrical Engineering degree, focusing on computational electromagnetics and communications.
- Knowledge of the following programming languages: C, C++, JAVA.
- In-depth knowledge of the following algorithms: FDTD, FEM, BPM, Floquet-TD Band solver.
- Experience in parallel computing and GPGPU (CUDA), with specialization in computational electromagnetics.
- Efficient use of the MWS CST Studio and Matlab commercial software packages.
- Publications in the field of computational electromagnetics.
- Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects.
- Fluent knowledge of English.

- **Desired qualifications:**

- Working knowledge of general purpose optimization software (e.g., Matlab optimization toolbox, OptQuest, etc).

Application Submission

Interested candidates can submit their applications via <http://www.ics.forth.gr/jobs/en/> using the link "[Apply for the position](#)" under the announcement. Applications must include:

- Detailed CV, including qualifications and interests in the above areas, and proof thereof;
- Scanned copies of academic titles;
- Detailed presentation of prior work, studies and/or publications, demonstrating knowledge of desired skills (e.g. experience on specific programming languages and tools)
- Contact information for 2 references;

Contact Information:

- For information and questions about the advertised position the activity of the group or the Institute, please contact Dr. Christos Liaskos (cliaskos@ics.forth.gr).

Selection Announcement

The result of the selection will be announced on the website of ICS-FORTH. Candidates have the right to appeal the selection decision, by addressing their written objection to the ICS 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 ICS-FORTH in line with the Hellenic Data Protection Authority.