

ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΕΠΕΝΔΥΣΕΩΝ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ

ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ, ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ

Ταχ. Διεύθυνση: Ν. Πλαστήρα 100, 70013 Ηράκλειο Κρήτης

Α.Π. 96883
Ηράκλειο, 20/12/2022

Call for expression of interest for one (1) position, for one (1) Research Associate in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)**Position(s): Research Associate at ICS-FORTH**

Project: WISAR

Desired starting date: 1-Feb-2023

Duration: 3 Months with possibility of extension according to the needs of the project

Location: ICS-FORTH, Heraklion, Crete, Greece

Opening date: 20/12/2022

Closing date: 30/12/2022

Ref.: "WISARResearchAssoc2022"

Description

The post holder will provide R&D support for the project, with the following key responsibilities:

- Conduct research on metasurface design and software modeling.
- Assist with software development tasks (WISAR system simulator).
- Contribute to experimental testbed design and setup.

WISAR/Program aims to provide the foundations for Programmable Wireless Environments based on cost-effective techniques (e.g., 3D-printed materials), in support of applications where fine-grained control over the wireless propagation phenomenon is required.

Position: Research Associate at ICS-FORTH

Required qualifications:

- Experience in software development, at least via OCTAVE/MATLAB and contemporary graphics processing units (GPU) for the significant acceleration of systems simulations. (20%)
- Parametric assessment and software modeling of the electromagnetic properties of metamaterials with an emphasis on applications. (20%)
- Development of advanced time- and frequency-domain methodologies in the area of computational electromagnetics for the accurate solution and efficient simulation of the aforementioned problems. (20%)
- Background in modern computational packages in the area of computational electromagnetics with an emphasis on the finite element (FE) method (e.g., COMSOL package or equivalent), the finite-

difference time-domain (FDTD) method (CST Microwave Studio package or equivalent), and the beam propagation method (BPM). (10%)

- Experience in setting up and conducting electromagnetic measurements.(20%)
- Male candidates: submit proof of completion of military obligations (if any).

Additional qualifications

- Scientific publications in international peer-reviewed journals and international conferences, which substantiate the relevance and solid background with the area of computer networks, wireless communications, computer, photonics, plasmonics, metamaterials/ metasurfaces, and computational electromagnetics. (10%)

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; academic transcripts for undergraduate and postgraduate degrees
- Two (2) letters of recommendation (for non-PhD holders), detailed presentation of prior work, demonstrating knowledge of desired skills
- Certificate of completion of military obligations (for Greek citizen male candidates)

Contact Information:

For information and questions about the advertised position, the activity of the group or the Institute, please contact C.Liasko at 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. Access to personal data of co-candidates shall be limited to personal data (and relevant data) and supporting documents which have been the basis of the evaluation of the candidates for the specific post(s). Prior to the announcement of the personal data and/or documents of the co-candidates to the applicant, FORTH will inform the data subjects in an appropriate way.

Disclaimer

FORTH is compliant with all legal procedures for the processing of personal data as defined by the **Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data**.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.

FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one’s legitimate legal rights’ as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the **Regulation EU/2016/679** you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.

You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.