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. 94254
Ηράκλειο, 18/11/2022

Call for expression of interest for one (1) Postdoctoral Researcher at the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)

Position: One (1) position for the HORIZON project TITAN
Project: "TITAN – Frugal Artificial Intelligence and Application in Astrophysics" (Grant Agreement number: 101086741) funded under HORIZON-WIDERA-2022-TALENTS-01
Desired starting date: January 1st, 2023
Duration: 1 year with possibility of extension
Location: Heraklion, Crete, Greece
Opening date: 18/11/2022
Closing date: 30/11/2022
Ref.: "TITAN-PostDoc.2022"

Description

Advances in scientific instrumentation have led to remarkable discoveries in multiple disciplines including astrophysics and Earth Observation. These advances can be attributed, to a large extent, to the dramatic improvements in sensing, processing, and analysis capabilities, which have contributed to the availability of massive quantities of multifaceted observations. The Big Scientific Data paradigm aims to capture the opportunities in performing science through the analysis of massive datasets, as well as the challenges associated with the analysis of these observations, especially the need for human intervention. The HORIZON project "TITAN – Frugal Artificial Intelligence and Application in Astrophysics", funded under HORIZON-WIDERA-2022-TALENTS-01 program aims to develop novel frameworks that will address the challenges associated with the joint analysis of observations from multiple sensing platforms, both terrestrial and spaceborne.

Within the project, we seek one (1) Postdoctoral Researcher to explore and develop cutting-edge signal processing and learning algorithmic frameworks that will enable the efficient analysis of high-dimensional multi-source observations, exploiting the integration of data-driven models with physical constraints. Emphasis will be given to the joint analysis of optical (e.g. EUCLID) and radio (e.g. SKA) signals for weak gravitational lensing detection and modeling systems, as well as the adaptation of said systems to problems in different domains like climate change studies.

Position for a Post-doctoral Researcher in Computer Science

Required qualifications:

- Ph.D. in Computer Science, or a related field
- Experience in developing algorithms for modeling high-dimensional data
- Experience working with astrophysical data including EUCLID
- Publications in related fields
- Working experience in related European and/or National R&D projects
- Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects
- Physical presence at FORTH, Heraklion, Crete for the duration of the position
- Good knowledge of English
- Completed military service (if applicable)
- Letters of recommendation

Desired qualifications:

- Decision-making and representation of the team/laboratory/institute at both national and international levels
- Experience in analysis of Earth Observation data

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
- Letters of recommendation, detailed presentation of prior work, studies and/or publications, 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 Jean-Luc Starck at jstarck@cea.fr and Panagiotis Tsakalides at tsakalid@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.