

ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΕΠΕΝΔΥΣΕΩΝ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ

ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ, ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ

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

Α.Π. 18661

Ηράκλειο, 12-11-2019

Call for expression of interest for one (1) position, for one (1) BSc degree holder in Computer Engineering or Computer Science in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)



Position(s): One (1) position for the ARIADNEplus: Advanced Research Infrastructure for Archaeological Dataset Networking in Europe (plus) H2020 project

Project: : “ARIADNEplus: Advanced Research Infrastructure for Archaeological Dataset Networking in Europe (plus), funded by the European Commission under the H2020 Programme, contract no. H2020-INFRAIA-2018-1-823914”

Desired starting date: Jan 1st, 2020

Duration: 12 months with possibility of extension

Location: Heraklion, Crete, Greece

Opening date: 12/11/2019

Closing date: 27/11/2019

Ref.: “ARIADNEplus_Nov2019”

Description

We seek a software engineer, specifically a bachelor's degree holder in Computer Engineering or Computer Science, with background in European and/or National RTD Projects, to assist in the project activities, in particular for the design and implementation of the ARIADNEplus system for Monitoring Knowledge Integration, which is based on the SYNERGY Reference Model (of data provision and aggregation) and the CIDOC CRM ontology and its extensions. The candidate will participate in the R&D activities of FORTH in the context of the project: ARIADNEplus: Advanced Research Infrastructure for Archaeological Dataset Networking in Europe (plus), funded by the European Commission under the H2020 Programme, contract no. H2020-INFRAIA-2018-1-823914”.

ARIADNEplus project is the extension of the previous ARIADNE Integrating Activity, which successfully integrated archaeological data infrastructures in Europe, indexing in its registry about 2.000.000 datasets (ARIADNE portal). ARIADNEplus will build on the ARIADNE results, extending and supporting the research community that the previous project created and further developing the relationships with key stakeholders such as the most important European archaeological associations, researchers, heritage professionals, national heritage agencies and so on. The new enlarged partnership of ARIADNEplus covers all of Europe. It now includes leaders in different archaeological domains like palaeoanthropology, bioarchaeology and environmental archaeology as well as other sectors of archaeological sciences, including all periods of human presence from the appearance of hominids to present times. Transnational Activities together with the planned training will further reinforce the presence of ARIADNEplus as a key actor.

The ARIADNEplus data infrastructure will be embedded in a cloud that will offer the availability of Virtual Research Environments where data-based archaeological research may be carried out. The project will furthermore develop a Linked Data approach to data discovery, making available to users innovative services, such as visualization, annotation, text mining and geo-temporal data management. Innovative pilots will be developed to test and demonstrate the innovation potential of the ARIADNEplus approach.

Required qualifications:

- BSc degree in Computer Engineering, Computer Science or related field
- Five years working experience in software development and web development, based on open software, with special interest in:
 - design and implementation using Java object-oriented language, Web technologies and programming (REST Web-services, HTML5, CSS, JQuery, Bootstrap, ReactJS, JSON technologies and databases, AngularJS, Open Layers, JSF, etc.)
 - design and implementation of services and tools for semantic data integration and knowledge representation, using RDF and XML technologies (XML, RDF, SPARQL) and related databases and tools (XML-databases, RDF triple stores: Virtuoso, GraphDB, Blazegraph)
 - design and implementation of services and tools for relational and document based (NoSQL) databases (i.e. MySQL, PostgreSQL, H2, MongoDB, CouchDB)
 - good knowledge of widely used application frameworks (i.e. Spring Framework)
 - use of software development version control platforms (i.e. Github), and project management and issue tracking platforms (i.e. redmine)
- Working experience in European and/or National ICT RTD projects
- Good knowledge of English
- Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects
- Letters of recommendation
- Physical presence at FORTH, Heraklion, Crete for the duration of the position
- Completed military obligations (If applicable)

Desired qualifications:

- Experience with CIDOC – CRM ontology (ISO 21127:2014) and its extensions
- Experience with the SYNERGY Reference Model of data provision and aggregation
- Experience in implementing security and data privacy policies (authentication and authorization services, encryption mechanism)

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 of
- Scanned copies of academic titles; analytical grades for each undergraduate and postgraduate course
- 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 Maria Moutsaki at moutsaki@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.

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.