

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. 18658
Ηράκλειο, 12-11-2019

Call for expression of interest for one (1) position, for one (1) MSc holder in Computer Science & Informatics in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)



Position(s): One (1) position for the projects H2020 Mingei & H2020 BlueCloud

Projects:

- “Mingei – Representation and Preservation of Heritage Crafts” (Grant Agreement number: 822336) funded under Horizon 2020, SC6-TRANSFORMATIONS-2018-2019-2020
- “Blue-Cloud – Piloting Innovative Services for Marine Research & the Blue Economy” (Grant Agreement number: 862409) funded under Horizon 2020, BG-07-2019-2020

Desired starting date: January 1st, 2020

Duration: 12 months with possibility of extension

Location: Heraklion, Crete, Greece

Opening date: 12/11/2019

Closing date: 27/11/2019

Ref.: “MingBC-Nov2019”

Description (position for the project H2020 Mingei)

We seek one part-time experienced software engineer, holding an MSc in Computer Science & Informatics, with background in European and/or National ICT RTD projects. The candidate will participate in the R&D activities of FORTH-ICS in the context of the H2020 project “Mingei – Representation and Preservation of Heritage Crafts”, funded under Horizon 2020, SC6-TRANSFORMATIONS-2018-2019-2020. The candidate will work part-time with: (a) conceptual modelling and mapping technologies and (b) design and implementation of tools and services using semantic web technologies.

H2020 Mingei is coordinated by FORTH-ICS, who is also the Technical Coordinator of the project. The project will explore the possibilities of representing and making accessible both tangible and intangible aspects of craft as cultural heritage. Heritage Crafts (HCs) involve craft artefacts, materials, and tools and encompass craftsmanship as a form of Intangible Cultural Heritage. Intangible HC dimensions include dexterity, know-how, and skilled use of tools, as well as, tradition, and identity of the communities in which they are, or were, practiced. Mingei will provide the means to establish HC representations that will capture and preserve tangible and intangible dimensions based on digital assets, semantics, existing literature and repositories, as well as mature digitization and human-centric AR and VR representation technologies.

Requirements and desired qualifications (position for the project H2020 Mingei)

One position for an experienced software engineer holding a MSc in Computer Science and Informatics

Required qualifications:

- BSc degree in Computer Engineering, Computer Science or related field
- MSc on Computer Science & Informatics
- Five years working experience in
 - Design and implementation of services and tools using Semantic Web technologies (RDF, RDF/S, OWL, SPARQL)
 - Conceptual modeling and schema mappings
 - Programming skills in the fields of object-oriented programming (JAVA), web technologies (HTML, CSS, XML), and virtualization technologies (DOCKER)
- 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 Services (If applicable)

Desired qualifications:

- Experience with CIDOC – CRM ontology (ISO 21127:2014) and its extensions
- Decision making and representation of the team/laboratory/institute in both national and international level

Description (position for the project H2020 BlueCloud)

We seek one part-time experienced software engineer, holding an MSc in Computer Science & Informatics, with background in European and/or National ICT RTD projects. The candidate will participate in the R&D activities of FORTH-ICS in the context of the H2020 project “Blue Economy” (Grant Agreement number: 862409) funded under Horizon 2020, BG-07-2019-2020. The candidate will work with: (a) conceptual modelling and mapping technologies and (b) design and implementation of tools and services for the semantic data integration in large-scale infrastructures.

H2020 Blue-Cloud aims to address the need to build and demonstrate the Pilot Blue Cloud as a thematic EOSC (European Open Science Cloud) to support research to better understand and manage the many aspects of ocean sustainability, through a set of five compelling pilot Blue-Cloud demonstrators. Moreover, it seeks to capitalize on what exists already and to develop and deploy, through a pragmatic work plan, the Pilot Blue Cloud as a cyber-platform bringing together and providing access to: (a) multidisciplinary data from observations and models, (b) analytical tools, and (c) computing facilities essential for key blue science use cases. Led by a consortium of experienced and complementary partners, the project maintains a practical approach to address the potential of cloud-based open science to achieve a set of services identifying also longer terms challenges that will provide the basis for a Blue-Cloud Roadmap to serve the wider community.

Requirements and desired qualifications (position for the project H2020 BlueCloud)

One position for an experienced software engineer holding a MSc in Computer Science and Informatics

Required qualifications:

- BSc degree in Computer Engineering, Computer Science or related field
- MSc on Computer Science & Informatics
- Five years working experience in
 - Design and implementation of services and tools for data integration and knowledge representation using Semantic Web technologies (RDF, RDF/S, OWL, SPARQL)
 - Software development for large-scale infrastructures
 - Conceptual modeling and schema mappings
 - Programming skills in the fields of object-oriented programming (JAVA), web technologies (HTML, CSS, XML).
- 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 Services (If applicable)

Desired qualifications:

- Experience with CIDOC – CRM ontology (ISO 21127:2014) and its extensions
- Decision making and representation of the team/laboratory/institute in both national and international level

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.