Call for expression of interest for one (1) position, for one (1) Post-Doc Researcher 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 Horizon Europe project CRAEFT: Craft Understanding, Education, Training, and Preservation for Posterity and Prosperity

Project: “CRAEFT: Craft Understanding, Education, Training, and Preservation for Posterity and Prosperity, funded by the European Commission under the Horizon Europe Programme (HORIZON-CL2-2022-HERITAGE-01-04), Grant Agreement ID: 101094349”

Desired starting date: Aug 1st, 2024

Duration: 5 months with possibility of extension

Location: Heraklion, Crete, Greece

Opening date: 21/06/2024

Closing date: 01/07/2024

Ref.: “Craeft_June2024_PostDoc”

Description

We seek a postdoctoral researcher, holding a PhD 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 Investigation of efficient methods for discovering and accessing linked data resources. The candidate will participate in the R&D activities of FORTH in the context of the project: Craft Understanding, Education, Training, and Preservation for Posterity and Prosperity, funded by the European Commission under the Horizon Europe Programme (HORIZON-CL2-2022-HERITAGE-01-04), Grant Agreement ID: 101094349.
**Craeft** is coordinated by FORTH-ICS. The project aims to deepen our understanding of making activities that include “care, judgement, and dexterity” standing on Anthropology, Knowledge Representation, Cognitive Science, Art History, Advanced Digitisation, Audiovisual & Haptic Immersivity, and Computational Intelligence to cover the multifaceted expression of crafts as living and developing heritage, as a sustainable source of income, and as the expression of the mind through “imagery, technology, and sedimented knowledge”. A generative approach will prove sufficiency for digital conservation, reenactable preservation, and scaling of approach for the full range of materials and techniques. Craeft will catalyse craft education and training with intuitive digital aids, telecommunications, craft-specific simulators, advanced immersivity, and high-end digitisation, to widen access, economise learning, increase exercisability, and relax remoteness constraints in craft learning. The integration of haptics intelligence haptics in digital design connects tacit knowledge in computer-aided craft-specific design tools. Workflow simulation will support experimental archaeology for the recovery of lost techniques. The analytic workflow analysis leads to digital fabrication opportunities for menial tasks, material savings and reuse, and reduction of energy consumption.

**Position: One (1) Post-Doc Researcher in Computer Engineering or Computer Science**

**Required qualifications:**
- PhD in Computer Engineering, Computer Science in the field of information systems management, including information retrieval, exploratory search, information visualization, recommendation systems, big data management, databases, semantic web and software technology.
- Five years working experience in software development and web development with special interest in:
  - design and implementation of services for large-scale infrastructures, semantic web and distributed computing frameworks
  - 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 relational and document based (NoSQL) databases (i.e. MySQL, PostgreSQL, H2, MongoDB, CouchDB)
  - use of software development version control platforms (i.e. Github), and project management and issue tracking platforms (i.e. Jira, 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

**Desired qualifications**
- Experience with 3D visualization applications
- Experience with Virtual Reality and/or Augmented Reality applications
- 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/](http://www.ics.forth.gr/jobs/en/) singing 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;
- Letters of recommendation, detailed presentation of prior work, studies and/or publications, demonstrating knowledge of desired skills.
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.