

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. 102421

Ηράκλειο, 02/03/2023

Call for expression of interest for one (1) BSc holder in any of the following fields: Computer Science, Mechanical Engineering, Electrical Engineering, Physics, Material Sciences in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)



Position(s): One (1) BSc holder in any of the following fields: Computer Science Mechanical Engineering, Electrical Engineering, Physics, Material Sciences

Project: “Craft Understanding, Education, Training, and Preservation for Posterity and Prosperity” (Craeft) (Grant Agreement number: 101094349), funded under Horizon Europe, HORIZON-CL2-2021-HERITAGE-01 (RIA)

Desired starting date: May 1st, 2023

Duration: 12 months on a full-time basis with possibility of extension

Location: Heraklion, Crete, Greece

Opening date: 02/03/2023

Closing date: 31/03/2023

Ref.: “Craeft - Mar2023”

Description

We seek one experienced member for our team, with a BSc degree in any of the following fields: Computer Science Mechanical Engineering, Electrical Engineering, Physics, Material Sciences. 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” (Craeft), funded under Horizon EUROPE, HORIZON-CL2-2021-HERITAGE-01 (RIA).

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

ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ

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. Digital dimensions attached to individual works of craft will enable certification and attachment of digital content, but also enable reputation and community building, supported by a Community Portal for professionals and the public that connects to the New Media, hosts heterogeneous craft portfolios, and registers practitioner credentials.

The efficacy of the approach will be piloted in eight representative craft instances with the cross-cutting objectives of Craft Education & Training, Design, Valorisation, and Community services across the range of materials.

Position: One (1) BSc holder in Computer Science / Mechanical Engineering / Electrical Engineering / Physics / Material Sciences

Requirements:

- BSc degree in one of the above fields
- Excellent Computer programming skills
- Experience with 3D computer graphics & animation
- Communication, coordination and/or management skills
- Very good knowledge of English
- Physical presence at FORTH, Heraklion, Crete for the duration of the position

Desired qualifications:

- Postgraduate degree in any of the above fields
- Experience in Computer Simulation
- Knowledge of Physics for mechanical simulation and/or material sciences
- Willingness and ability to work cooperatively within a team, to learn, and to adapt to the project's requirements
- Previous experience with EU- and/or national - funded RTD projects

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;
- Scanned copies of academic titles;
- Detailed presentation of prior work, studies and/or publications, references etc. demonstrating knowledge of desired skills (e.g. experience on specific programming languages and hardware platforms).

Contact Information:

For information and questions about the advertised position, the activity of the group or the Institute, please contact Iosif Klironomos at iosif@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) calendar days since the results announcement on the web. They also have the right to access (a) the files of

ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ

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.