Call for expression of interest for three (3) Computer Science experts, in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)

Positions: One (1) MSc holder in Computer Science, one (1) MSc holder in Information Systems, one (1) MSc holder in Computer / Electrical Engineering

Project: “Transforming European Industrial Ecosystems through eXtended Reality enhanced with human-centric AI and secure, 5G-enabled IoT” (INDUX-R) (Grant Agreement number: 101135556), funded under Horizon Europe, HORIZON-CL4-2023-HUMAN-01-CNECT (IA)

Desired starting date: April 1st, 2024
Duration: 12 months on a full-time basis with possibility of extension
Location: Heraklion, Crete, Greece
Opening date: 20/02/2024
Closing date: 01/03/2024
Ref.: “INDUX-R_Feb_2024”

Description
We seek three experienced members for our team, with a background in Computer Science / Information Systems/ Electrical Engineering. The candidates will participate in the R&D activities of FORTH in the context of the project “Transforming European Industrial Ecosystems through eXtended Reality enhanced with human-centric AI and secure, 5G-enabled IoT” (INDUX-R) (Grant Agreement number: 101135556), funded under Horizon EUROPE, HORIZON-CL4-2023-HUMAN-01-CNECT (IA).

INDUX-R is coordinated by ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS (CERTH), Greece, and FORTH-ICS is a member of the project consortium. The project envisions a human-centric XR ecosystem that will transform European industrial sectors by empowering humans and creating innovate XR products and services of significant added value. It targets for concrete scientific breakthroughs integrated in technological enablers.
that will be applied in use cases driven from real-life needs while having the potential to be replicated in several other applications. These breakthroughs are focused on core XR technologies, namely, digitisation and creation of XR assets, realistic animation, light-field HMDs, XR media streaming and egocentric perception. To address challenges that multi-user XR applications pose, INDUX-R will implement a highly scalable, zero-touch 5G architecture and a secure, interoperable IoT network that can accommodate fluctuating demands and minimize waste of resources. The foreseen use cases cover a wide spectrum of industrial ecosystems in event planning, Industry 4.0, virtual medical training, cultural tourism, and broadcasting of sports events where end-users will participate in every step of INDUX-R, from the elaboration of user requirements up to final qualification of the ecosystem, thus implementing a human-centric approach of XR technology development. In this regard, INDUX-R reflects upon the societal and ethical challenges that XR poses, building a legal and ethics framework that will ensure that technological development is aligned with European values.

**Position 1: MSc holder in Computer Science**

**Required qualifications:**
- MSc degree in Computer Science
- Excellent knowledge of Angular, HTML, CSS, JavaScript, SQL, PHP
- Experience in the design and development of interactive user interfaces
- Rich experience in user requirements elicitation, human-centred design and design for all
- Rich experience in the design and development Ambient intelligence Environments
- Experience in the design and development of multimodal automation systems and end-user applications
- Good knowledge of English
- Physical presence at FORTH, Heraklion, Crete for the duration of the position

**Desired qualifications:**
- Paper publications in related International Conferences and Journals
- Previous experience with EU- and/or national-funded RTD projects

**Position 2: MSc holder in Information Systems**

**Required qualifications:**
- MSc degree in Information Systems
- Demonstrated experience with EU- and national-funded projects
- Physical presence at FORTH, Heraklion, Crete for the duration of the position
- Rich experience in user-centred design projects (requirements elicitation, interface, interaction and experience design, expert/heuristic evaluation and user testing)
- Thorough knowledge of design guidelines and heuristics, particularly for Ambient Intelligence (AmI) environments, applications and services
- Communication, coordination and management skills
- Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects
- Excellent knowledge of English

**Desired qualifications:**
- Research experience - Publications in the field of computer science
- Knowledge of programming languages: C, Java, PHP

**Position 3: MSc holder in Computer / Electrical Engineering**

**Required qualifications:**
- MSc degree in Computer / Electrical Engineering
- Very good knowledge of C, C#, Java, Python, Dart Flutter, PyTorch, Unity Machine Learning
- Physical presence at FORTH, Heraklion, Crete for the duration of the position
• Communication and problem-solving skills
• Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects
• Very good knowledge of English

Desired qualifications:
• Previous experience with EU or national-funded projects
• Knowledge of programming languages: C, Java,

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 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.

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.