Call for expression of interest for a position of Embedded Systems Engineer in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)

Position(s): One (1) position of Embedded Systems Engineer with preference in for experienced post-MSc-level scientists/engineers

Project: Virtual and programmable industrial network prototype deployed in operational Wind park – 5G-PPP VirtuWind, GA 671648, funded under Horizon 2020, H2020-ICT-14-2014

Desired starting date: October 1, 2017

Duration: 9 months with possibility of extension

Location: Heraklion, Crete, Greece

Opening date: 25-08-2017

Closing date: 15-09-2017

Ref.: “VirtuWind-03-Aug2017

Description

The candidate will participate in the R&D work of FORTH within the VirtuWind project. We seek an experienced member for our team, at the post-MSc and/or PhD-candidate level. In the context of VirtuWind project, FORTH is responsible for research and innovation activities that assure security-by-design Software-Defined-Networking (SDN) and Network-Function-Virtualization (NFV) –enabled
ecosystems of critical infrastructures, including the development of mechanisms for industry-grade security and fault tolerance and mechanisms for inter-domain SDN security and incident response.

Prior experience in the field, ability to work in a research team and to take initiative, ability to communicate with people and experience with a variety of heterogeneous hardware platforms and programming languages are very important.

• **Required qualifications:**
  - University degree in Computer Science and/or Engineering or related fields;
  - MSc in Computer Science and/or Engineering or related fields
  - Publications in the field of Internet-of-Things (IoT), secure embedded systems and lightweight cryptography
  - Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects;
  - Fluent knowledge of English.

• **Desired qualifications:**
  - Experience with European research projects (e.g. implementation, technical reports and deliverables writing)
  - Skilled in Java, C/C++, Python, Prolog, and Verilog
  - Experience with Semantic Web technologies (XML, RDF, OWL) and management of Information Systems (MIS)
  - Experience in developing service-oriented applications (WSDL, BPEL) and OSGi applications
  - Experience in developing applications for embedded devices (ARM-based) and wireless sensors (IRIS, Zolertia Z1, SunSPOTs)
  - Experience with Internet of Things protocols and applications (CoAP, MQTT) and lightweight web services (DPWS)
  - Experience with agent technologies (JADE) and in developing multi-agent applications
  - Experience with wireless ad hoc routing protocols (DSR, AODV) and secure, reputation-based routing

**Application Submission**
Interested candidates can submit their applications via [http://www.ics.forth.gr/jobs/en/](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 thereof;
- Scanned copies of academic titles;
- Detailed presentation of prior work, studies and/or publications, demonstrating knowledge of desired skills (e.g. experience on specific programming languages and hardware platforms)
- Contact information for 2 or 3 references;

**Contact Information:**
- For information and questions about the advertised position the activity of the group or the Institute, please contact Dr. Ioannis Askoxylakis (asko@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.