Call for expression of interest for a position of an Analytics Expert in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)

**Position(s):** One (1) position of an Analytics Expert

**Project:** Smart End-to-end Massive IoT Interoperability, Connectivity and Security - SEMIoTICS, funded under Horizon 2020, H2020-IoT-03-2017.

**Desired starting date:** February 1, 2018

**Duration:** 12 months with possibility of extension

**Location:** Heraklion, Crete, Greece

**Opening date:** 27-12-2017

**Closing date:** 10-1-2018

**Ref.:** “SEMIoTICS-01-Dec2017”

**Description**

We seek an experienced member for our team, with a background in machine learning, data analytics and modelling for intelligent sensing applications.

The candidate will participate in the R&D activities of FORTH in the context of the project Smart End-to-end Massive IoT Interoperability, Connectivity and Security - SEMIoTICS, funded under Horizon 2020, H2020-IoT-03-2017.

In the context of SEMIoTICS project, FORTH, along with the project’s partners, will develop a pattern-driven framework, built upon existing IoT platforms, to enable and guarantee secure and dependable actuation and semi-autonomic behaviour in IoT/IoT applications. The SEMIoTICS framework will
support cross-layer intelligent dynamic adaptation, including heterogeneous smart objects, networks and clouds, addressing effective adaptation and autonomic behaviour at field (edge) and infrastructure (backend) layers based on intelligent analysis and learning. As such, prior experience in machine learning, data science and artificial intelligence, and the associated tools, as well as the ability to communicate with and work as a member of an international, multicultural research consortium, are all very important aspects for the position offered.

- **Required qualifications:**
  - PhD degree in Computer Science, Computer Engineering or a related field, focusing on intelligent sensing applications
  - BSc and MSc degrees in Computer Science, Computer Engineering or a related field, preferably with a focus on machine learning and/or modelling for intelligent sensing applications;
  - Publications in the field of machine learning, data science, smart sensing and related topics
  - Willingness and ability to work cooperatively within a team, to learn, and to adapt to the projects;
  - Excellent knowledge of English.

- **Desired qualifications:**
  - Past experience in international, multicultural and multilingual research environments, with a data analytics/modelling/machine learning focus, preferably in the core domains of the project (such as Internet of Things);
  - Experience with European research projects (e.g., implementation, technical reports and deliverables writing);
  - Experience in design and implementation of smart sensing applications (e.g., compressive sensing techniques and algorithms, signal classification, sparse representations);
  - Experience in implementation of distributed sensing and processing;
  - Skilled in programming tools related to the position, such as MATLAB/Octave, C, C++, Python, TensorFlow.

**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.
- 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.