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

Position(s): One (1) position of a Postgraduate Degree (MSc) holder in Computer Engineering
Project: Intelligence-Driven Urban Internet-of-Things Ecosystems for Circular, SAfe and InClusive
Smart CITIES – Ideal-CITIES, funded under Horizon 2020, H2020-MSCA-RISE-2017
Desired starting date: August 1st, 2018
Duration: 12 months on a full-time basis with possibility of extension
Location: Heraklion, Crete, Greece
Opening date: 29/05/2018
Closing date: 13/06/2018
Ref.: “IDEAL-CITIES-01-May2018”

Description
We seek an experienced member for our team, at the Postgraduate / MSc level and a background in
Computer Science and Technical Project Management. The candidate will participate in the R&D and
Project Management activities of FORTH in the context of the project Intelligence-Driven Urban
Internet-of-Things Ecosystems for Circular, SAfe and InClusive Smart CITIES – Ideal-CITIES, funded
In the context of the Ideal-CITIES project, FORTH, along with the project’s partners will undertake the
development of a pattern-driven, open and modular platform for building adaptive Internet of Things
and Participatory Sensing (IoTPS) based Smart City applications assisted with Big Data analytics and
Cloud services, enabling the capture, processing, analysis and exchange of contextualized information
and alerts in realtime and in a trustworthy and sustainable manner. Design and implementation of a
the cloud backbone should cater for scalable services and architectures in order to deal with the high
influx of data following incidents or threats, and to provide the necessary of degree of resilience in
handling massive information loads that may arise. As such prior experience with design, operation
and management of large-scale software systems of high-transactional volume is required. Due to the
international project consortium, communication, coordination and management of research
partners is necessary.

- **Required qualifications:**
  - MSc degree in Electrical or Computer Engineering or a related field, focusing on
    Information Networking
  - Experience in scalable service-oriented software architectures, middleware and cloud
    integration
  - Knowledge of the Software Delivery Lifecycle and Project Management methodologies
  - 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 in computer engineering
  - Research experience - Publications in the field of computer science
  - Knowledge of programming languages: C, Java EE, JavaScript, SQL
  - Knowledge of integration tools and continuous delivery concepts
  - Knowledge of French or German

**Application Submission**

"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](mailto: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.