

## Call for Research Scientist/PostDoc

A Research Scientist position with focus on the “Future Internet” and its integration with the “Networked world of Physical Objects” is available in the **Algorithms & Security** research group of the Athens Information Technology (AIT), Greece.

The work carried out within the AlgoSec group aims at significantly contributing to the design and delivery of this real world dimension of future networking, however with an emphasis on security and privacy. As Sensing Networks, (sensors, actuators, RFIDs, even people through participatory sensing applications), deployed at the edges of networks, will provide an infrastructure that enables the augmentation of the physical world and interaction with it, security, privacy, and trust have to be included in all digital aspects of our environment.

The objective of this research activity is to address the key technical challenges required to provide trustworthy “physical world” information in support of context-aware smart applications and services. Major topics and issues to be addressed include protection of user credentials, privacy-friendly ID-management, protection of nodes and devices, integration of security and privacy with mobility, accountability, etc.

### Scope of work will involve the following tasks:

- Study of suitable network architectures to enable secure sensing in support of context-aware smart applications and services.
- Study of technical, functional and non-functional requirements of Future of Internet based on various use cases, applications and services.
- Use of novel security principles and techniques in order to integrate security into the above communication systems.
- Contribution towards novel architectures that will support the diversity of the roles and capabilities of the nodes within the network with an emphasis on security, privacy and trust.

### Requirements for the Researcher/Senior Researcher Position:

- PhD degree in computer science/engineering.
- Strong background in computer/communication security.
- Research experience indicated by a good publication record that demonstrates a clear knowledge of the field and in particular security of wireless/ad hoc/telecommunication networks
- Familiarity with sensor/actuator networks and participatory sensing applications.
- Familiarity with Future Internet platform and services in order to identify, define and update the FI requirements coming from various use cases.
- Comprehensive system view of the Internet, realizing the convergence of network-centric services of operators and telecom manufacturers with web-based approaches of software providers and integrators is also desirable.

This research position will give the successful candidate the opportunity to work in a well established and active research environment with state-of-the-art facilities. The working language at AIT is English therefore fluency in English is a requirement.

**Responsibilities for this position also include:**

- Conducting research in the related fields leading to publications in top international journals and conferences.
- Helping in the further development of the security lab that can be used as a demo room for various technologies (smart cards, biometrics, sensors, RFID's, etc...)
- Developing new R&D projects and participating in technology transfers between the academic and the business world.
- Providing reasonable administrative service to the School.

**Compensation includes:**

- Competitive monthly salary
- Travel grants to attend conferences, in addition to travel related with project requirements.

Interested persons may send a letter of interest, a current CV, names of three references and supporting documents to:

Prof. Tassos Dimitriou

Athens Information Technology

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Tel: +30 210 6682700, Fax: +30 210 6682703

Web: [http://www.ait.edu.gr/ait\\_web\\_site/faculty/tdim/dimitriou.html](http://www.ait.edu.gr/ait_web_site/faculty/tdim/dimitriou.html)

***Note that the positions will be filled as soon as successful candidate is selected.***

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