



Two Experienced Researchers (Post-Doc) at the University of Athens - Marie Curie Project SMART-NRG (UOA- RE2 / UOA-RE3)

The Department of Informatics and Telecommunications at the University of Athens (UoA), Greece, offers two fully-funded Post-Doc position for Experienced Researchers (ER) in the context of the FP7 Industry Academia Partnerships and Pathways (IAPP) project SMART-NRG (<http://smart-nrg.net>). The project will go beyond state-of-the-art approaches for Smart Energy Networks (SENs) by introducing an innovative and integrated protocol stack, which will be made of three interlinked and optimized sub-systems: i) reliable communications and networking; ii) smart energy management; and iii) security and protection. The sub-systems will be studied, optimized, and integrated in a very efficient protocol stack, which will be tested via system level simulations and hardware testbeds, and, eventually, will be integrated into commercial devices.

Description

Two experienced researcher, that own an MSc and have between 4 and 10 years of research experience at the time of recruitment (time pursuing a PhD degree counting), will be hired for 12 (UOA-RE2) and 24 (UOA-RE3) months respectively to work on the following topics:

UOA-RE2: Simulation modeling and performance evaluation of SENs using a custom-made simulator. He/she should have high expertise in simulation models, environments and procedures.

UOA-RE3: Design and implementation of energy consumption prediction algorithms using dynamic programming towards advanced and low complexity energy management solutions. High programming skills as mandatory.

The selected ERs will join the GAIN research group (<http://gain.di.uoa.gr>) and have a unique opportunity to pursue a career in SENs. Working in this ambitious research project, should lead the ERs to research development, together with a very strong joint multidisciplinary research training program.

Nr of positions available : 2

Research Fields

Engineering - Computer engineering

Career Stage

Experienced researcher or 4-10 yrs (Post-Doc)

Research Profiles

Recognized Researcher (R2)

Benefits

Benefits, such as parental leave, vacation days, etc., are according to national legislation.

Comment/web site for additional job details

We are looking for highly motivated, enthusiastic scientists, with a preferential background in wireless/mobile networks and security protocols. Previous experience in fields directly related to the specific position is a plus. Excellent research skills and analytical abilities are required, fluency in English (both spoken and written), proactive communication skills and problem solving as part of a team, strong record keeping, great work ethic and initiatives are essential characteristics. Candidates must also meet the following criteria: 1) have between 4 and 10 years (full-time equivalent) of research experience; 2) be of any nationality, but not having resided or carried out their main activity in Greece for more than 1 year in the past 3 years; 3) have a degree giving access to PhD studies.

To apply for this positions, please send i) a full CV, including publications record, ii) a motivation letter, iii) recommenders' contact details (up to 3), and iv) any other relevant document, to Dr. Nikos Passas (passas@di.uoa.gr), not later than 31 October 2015, with subject: "SMART-NRG: Application for position" (add either "UOA-RE2" or "UOA-RE3").

The appointments are expected to start January 2016.

Requirements

Required Education Level	
Degree	PhD or equivalent
Degree Field	Computer science
Required Research Experiences	
Main Research Field	Engineering
Sub Research Field	Computer engineering
Years of Research Experience	4
Required Languages	
Language	ENGLISH
Language Level	Excellent