



Experienced Researcher (Post-Doc) at WEST Aquila S.r.l. - Marie Curie Project SMART-NRG

WEST Aquila S.r.l., Italy, offers a fully-funded Post-Doc position for an Experienced Researcher (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

An experienced researcher, that owns a PhD degree in a relevant field and has between 4 and 10 years of research experience at the time of recruitment (time pursuing the PhD degree counting), will be hired for 24 months. He/She will have a computer scientist or equivalent degree, with past experience on relaying, network coding, and smart energy algorithms. His/Her work is about the integration and optimization of the algorithms and protocols developed by academic partners of this project into the modular architecture of the OMNET++-based system level simulator available in WEST, as well as the exploitation of its simulation speed. The selected ER will join WEST Aquila's research group (www.westaquila.com) and have a unique opportunity to pursue a career in SENS. Working in this ambitious research project, should lead the ER to research development, together with a very strong joint multidisciplinary research training program.

Nr of positions available : 1

Research Fields

Engineering - Computer engineering

Career Stage

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

Research Profiles

Recognised 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 a highly motivated, enthusiastic scientist, with a preferential background in wireless networks and algorithms and communication protocols simulation. 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 Italy for more than 1 year in the past 3 years; 3) have a PhD degree.

To apply for this position, 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. Stefano Tennina (tennina@westaquila.com), not later than 16 October 2015, with subject: "SMART-NRG: Application for position WEST-RE1".

Requirements

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