

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0308 (InteGrid - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING,COMPUTER SCIENCE Sub: Electrical engineering,Informatics

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC .	
Project:	Demonstration of INTElligent grid technologies for renewables INTEgration and INTERactive consumer participation enabling INTERoperable market solutions and INTERconnected stakeholders
Scientific Advisor:	David Emanuel Rua
Duration Grant:	from 2018-01-01 to 2018-12-31 (12) . The grant may be renewed for additional periods up to the maximum duration of the project or the duration of the grant for which the candidate was selected. It can also be renewed due to another project provided that it is entirely or partly related to the work area in the call and that it contributes to the ongoing training.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems
Project overview: : The objective is to develop a user interface (UI) for the management and control of energy resources in a domestic environment for a Home Energy Management System (HEMS) in the scope of the EU project INTEGRID. The grant holder will work on the design, development and implementation of a modular and configurable UI solution to enhance the use of the energy management platform (HW+SW) that compose the HEMS.
Objectives: To define the functional, technical and technological requirements of the UI; Design and implement a UI platform that is dynamic and adaptable to the HEMS and support the interaction with different kind of users. Implement and test energy management and control functionalities through the UI; Implement supporting APPs for the main mobile platforms (Android e iOS). Publish results in conferences and scientific journals.

Academic Qualifications:	Master in Electrical Engineering/Electronics/Informatics/Computer Science
Minimum Profile required:	-Knowledge in UI development methodologies; Knowledge in configuring and developing UI systems based on dashboards Advanced programming skills Fluency in English (spoken and written)
Preference factors:	Experience in developing applications for embedded systems Experience in automation systems Knowledge in energy management systems
Monthly Grant:	€980,00 (MSC) according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer. The grant holder may also benefit from additional incomes in the sequence of a quarterly evaluation process (Clauses 12 and 13 of INESC TEC Grants Regulation and Annex II), up to a maximum of 50% of the monthly grant.

Project duration:	2017-01-01 a 2020-06-30
Funding Entity:	CE
The grant contract shall be submitted to the legislation concerning the Research Grant Holder Statute , approved by Law n 40/2004, dated 18 August, amended and republished by Decree-Law No. 202/2012 of 27 August and amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of July 9 as well as by INESC TEC Grant Regulation , approved by FCT - Fundação para a Ciência e a Tecnologia (Science and Technology Foundation) in 12 January 2011 and FCT current Grant Regulation. Additional information about INESC TEC Grants Regulation and relating annexes may be found at www.inesctec.pt/grants	

Selection Criteria: Curriculum evaluation based on the criteria referred to in Clause 7 INESC TEC Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 90% curriculum evaluation (40% CV, 30% scientific domains and 20% Expertise) and 10% interview. Only those candidates who obtain at least 70% in the curricular evaluation (CV + Scientific Domain + Experience) will be called for the interview.	
Selection Jury:	President of the Jury: Prof. David Emanuel Rua; Permanent Member: Prof. Ricardo Jorge Bessa; Substitute Member: Prof. Clara Sofia Gouveia;
Notification of results:	The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of INESC TEC Grants Regulation .
Application period:	From 2017-11-21 to 2017-12-27
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt , attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.