

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2019-0238 ( INESC TEC LA - CPES ) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Scientific Initiation Grants (BIC)
<b>City:</b>	Porto
<b>Research field:</b>	Main: INFORMATION SCIENCE Sub:

### Job summary:

**INESC TEC is accepting applications to award 1 Scientific Initiation Grant .**

<b>Project:</b>	INESC TEC - UID/EEA/50014/2019
<b>Scientific Advisor:</b>	David Emanuel Rua
<b>Duration Grant:</b>	from 2019-12-01 to 2020-11-30 (12) eventually renewable.
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

**Work Area:** Power Systems

**Project overview:** To develop a bidirectional data exchange system for charging stations (CS) for electric vehicles (EVs). The identification of the main communications and connectivity solutions for CS will be carried out, including the supporting HW. A set of SW modules will be developed capable of exchanging information (state of operation, settings, metering, control, etc.) with the CS. An integration with energy optimization platforms will be done to allow EVs in energy efficiency actions for buildings.

**Objectives:** Objectives to be accomplished by the Grant Holder: Identify the communications and connectivity solutions for charging stations  
Create software modules, preferably in open source, to exchange information between the charging station and centralized databases  
Integration with an energy management platform and the necessary testing and validation.

<b>Academic Qualifications:</b>	Students enrolled for the 1st time in 1st cycle of higher education or in a master's degree.
<b>Minimum Profile required:</b>	Knowledge in databases and communication systems Knowledge in programming and experience in using servers; Fluency in Portuguese;
<b>Preference factors:</b>	Exp. in standards and protocols for charging stations for electric vehicles (ISO 15118, OCPP, etc.) and embedded systems Knowledge in operating systems: Linux and Windows Fluency in English
<b>Monthly Grant:</b>	€388,81 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.

<b>Project duration:</b>	-
<b>Funding Entity:</b>	Funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project UID/EEA/50014/2019
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 <a href="#">INESC TEC Grants Regulation</a> and relating annexes may be found at <a href="http://www.inesctec.pt/grants">www.inesctec.pt/grants</a>	

<b>Selection Criteria:</b>	Curriculum evaluation based on the criteria referred to in Clause 7 <a href="#">INESC TEC Grants Regulation</a> 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.
<b>Selection Jury:</b>	President of the Jury: Prof. David Emanuel Rua; Member: Prof. Ricardo Jorge Bessa; Member: Prof. Bernardo Silva;
<b>Notification of results:</b>	The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of <a href="#">INESC TEC Grants Regulation</a> .
<b>Application period:</b>	From 2019-10-24 to 2019-11-12
<b>Application submission:</b>	Fill in the electronic form in the section <a href="#">Work with Us</a> at <a href="http://www.inesctec.pt">www.inesctec.pt</a> , attaching the Curriculum Vitae, copy of school enrollment and other supporting documents relevant to the final assessment.