

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2017-0205 (SmartGuide - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Research Grants (BI)
<b>City:</b>	Porto
<b>Research field:</b>	Main: COMPUTER SCIENCE,ENGINEERING Sub: Informatics,Electrical engineering,Computer engineering,Computer Systems

### Job summary:

<b>INESC TEC is accepting applications to award 1 Research Grant for MSC.</b>	
<b>Project:</b>	Planning Guidelines, Smart Grid, Smart Market, Demand Response, Operation Guidelines, European Smart Distribution Systems
<b>Scientific Advisor:</b>	Filipe Joel Soares
<b>Duration Grant:</b>	from 2017-09-15 to 2018-09-14 (12) - Eventually renewable until the project conclusion or budget.
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

<b>Work Area:</b>	Data Science and Informatics
<b>Project overview:</b>	The project SmartGuide aims at developing generalized planning and operation guidelines for MV and LV grids of European Distribution System Operators. These guidelines will be designed taking into account the challenges arising from renewables integration and considering innovative smart grid functionalities, such as demand response.
<b>Objectives:</b>	Classification of data sets gathered from data measurements; Development of data mining algorithms for consumer behaviour analysis; Development of applications based on the data mining algorithms; Dissemination of results at conferences and scientific journals.

<b>Academic Qualifications:</b>	Master Degree in Computer Science, Informatics, Electrical Engineering, or equivalent.
<b>Minimum Profile required:</b>	Knowledge of data mining process and data-driven models Experience in the application of machine learning techniques (e.g., in matlab, python, etc.) Fluency in English (spoken and written)
<b>Preference factors:</b>	Immediate availability Knowledge in energy consumption data analysis/application/software development (android,ios,etc.)/concepts related with consumer engagement Fluency in Portuguese
<b>Monthly Grant:</b>	€980,00 (MSC) according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer. The grant holder can receive additional payments by participating in complementary contracts or projects that contribute to the work plan (Clauses 12 and 13 of INESC TEC Grants Regulation and Annex II), in accordance with paragraph 4 of article 5 of Research Grant Holder Statute, approved by Law nº 40/2004, dated 18 August, up to a maximum of 50% of the monthly grant.

<b>Project duration:</b>	2016-04-01 a 2019-03-31
<b>Funding Entity:</b>	FCT (SmartGP/0002/2015)
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 7º <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.
<b>Selection Jury:</b>	President of the Jury: Prof. Filipe Joel Soares; Permanent Member: Prof. Manuel Matos; Substitute Member: Prof. Nilufar Neyestani;
<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 2017-08-05 to 2017-08-31
<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, certificate of qualifications and other supporting documents relevant to the final assessment.

