

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0302 (INESC TEC LA - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Scientific Initiation Grants (BIC)
City:	Porto
Research field:	Main: ENGINEERING Sub: Electrical engineering

Job summary:

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

Project:	INESC TEC-UID/EEA/50014
Scientific Advisor:	José Nuno Fidalgo
Duration Grant:	from 2020-02-01 to 2020-07-31 (6) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Big data for energy

Project overview: The access to energy data (e.g., electricity markets, power system operation) is a valuable asset for R&D in data mining and artificial intelligence. The need to make this data open is also a priority for R&D institutions. The researcher will work with big data technologies to automate data collection and management and construct a platform to foster energy analytics competition and exchange of data between R&D institutions/universities.

Objectives: Develop new modules to optimize data collection and management. Develop of algorithms to identify and manage mismatches of missing data or information. Implementation of open data policies and exchange of data between different entities Development of a REST API that enables clients to extract the information available in the database.

Academic Qualifications:	Students enrolled for the 1st time in 1st cycle of higher education or in a master's degree.
Minimum Profile required:	Experiência com bases de dados e web based tools; Knowledge in programming languages (e.g., Python, Java)
Preference factors:	Experience in developing REST API; Experience with open data platforms and competitions (e.g., Kaggle)
Monthly Grant:	€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.

Project duration:	-
Funding Entity:	Funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project UID/EEA/50014
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. José Nuno Fidalgo; Member: Prof. Ricardo Jorge Bessa; Member: Prof. Conceição Nunes Rocha;
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 2019-11-18 to 2019-11-29
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt , attaching the Curriculum Vitae, copy of school enrollment and other supporting documents relevant to the final assessment.