

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0141 (ESGRIDS - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: COMPUTER SCIENCE, MATHEMATICS Sub: Informatics, Statistics, Applied mathematics, Programming

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC.	
Project:	Enhancing smart GRIDS for sustainability
Scientific Advisor:	Ricardo Jorge Bessa
Duration Grant:	from 2017-09-15 to 2018-09-14 (12) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Smart Grids
Project overview:	The implementation of smart grid paradigm requires the development of predictive algorithms capable of handling big data. The Grant Holder will work on the development of new energy analytics algorithms for renewable energy and electricity consumption, focusing on their integration and demonstration inside network operation tools.
Objectives:	State of the art review in distributed computing; Development and implementation of innovative data analytics algorithms; Dissemination of results in conferences and journals.

Academic Qualifications:	Master Degree Informatics Eng/Mathematics/Statistics/Computer Science or similar
Minimum Profile required:	Background on machine learning methods; Fluency in English (spoken and written); Good Python and R programming skills.
Preference factors:	Background on statistics and artificial intelligence; Experience in time series forecasting methods; Experience in the use of distributed computing
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 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.

Project duration:	2017-01-01 a 2019-12-31
Funding Entity:	ERDF - European Regional Development Fund through the Operational Programme for Competitiveness and Internationalisation - COMPETE 2020 Programme, and by National Funds (PIDDAC) through the FCT - Fundação para a Ciência e a Tecnologia (Portuguese Foundation for Science and Technology) within project POCI-01-0145-FEDER-016434.
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 7º 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.
Selection Jury:	President of the Jury: Prof. Ricardo Jorge Bessa; Permanent Member: Prof. Manuel Matos; Substitute Member: Prof. David Emanuel Rua;
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 2017-06-15 to 2017-09-04
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.