

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0205 (INESC TEC LA - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING,MATHEMATICS,COMPUTER SCIENCE Sub: Computer engineering,Electrical engineering,Algorithms,Applied mathematics

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC .

Project:	INESC TEC - UID/EEA/50014/2019
Scientific Advisor:	Ricardo Jorge Bessa
Duration Grant:	from 2019-10-01 to 2020-09-30 (12) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Artificial Intelligence

Project overview: Description of the work to be carried out: The digitization of the energy sector requires the development of data-based techniques for forecasting and optimization of distributed energy resources. The research fellow will work on the development of data-driven optimization and decision-aid algorithms, based on machine learning techniques.

Objectives: Identification of the needs and requirements of the power systems industry (considering the state of the art); Conceptualization and development of innovative data-driven control algorithms; Dissemination of results at national/international conferences and scientific journals.

Academic Qualifications:	Master Degree in Physics, Computer Science, Mathematics, Electrical Engineering or similar
Minimum Profile required:	Background on artificial intelligence techniques; Fluency in English (spoken and written); Good programming skills (e.g, Matlab, Python).
Preference factors:	Experience in the application of machine learning methods to engineering areas; Experience in the development of control algorithms.
Monthly Grant:	€989,70 (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:	-
Funding Entity:	Funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project UID/EEA/50014/2019
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 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. Ricardo Jorge Bessa; Member: Prof. Bernardo Silva; 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 2019-08-14 to 2019-09-15
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.