

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2019-0230 ( INESC TEC LA - 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: 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 .**

<b>Project:</b>	INESC TEC - UID/EEA/50014/2019
<b>Scientific Advisor:</b>	Ricardo Jorge Bessa
<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:** 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.

<b>Academic Qualifications:</b>	Master Degree in Physics, Computer Science, Mathematics, Electrical Engineering or similar
<b>Minimum Profile required:</b>	Background on artificial intelligence techniques; Fluency in English (spoken and written); Good programming skills (e.g, Matlab, Python).
<b>Preference factors:</b>	Experience in the application of machine learning methods to engineering areas; Experience in the development of control algorithms.
<b>Monthly Grant:</b>	€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.

<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. Ricardo Jorge Bessa; Member: Prof. Bernardo Silva; Member: Prof. David Emanuel Rua;
<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, certificate of qualifications and other supporting documents relevant to the final assessment.