

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0003 (INDuGRID - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING Sub: Electrical engineering

Job summary:

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

Project:	Efficient energy management in industrial microgrids with high penetration of PV technology - INDuGRID
Scientific Advisor:	Carlos Moreira
Duration Grant:	from 2019-03-08 to 2019-08-31 (6) . The grant may be renewed for additional periods up to the maximum duration of the project or the duration of the grant for which the candidate was selected. It can also be renewed due to another project provided that it is entirely or partly related to the work area in the call and that it contributes to the ongoing training.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: The integration of renewable energy and energy storage devices in industrial parks allows the implementation of innovative management strategies as well as the increase of the associated reliability by means of islanding operation of the system. In this scenarios, it is therefore necessary to develop the supporting tools as well as its validation through numerical simulation.

Objectives: Development of simulation models for distribution grids in industrial parks Conceptualization and development of advanced tools for the operation and management of industrial (micro) grids in different operating conditions

Academic Qualifications:	Master Degree in Electrical Engineering.
Minimum Profile required:	Background in electric power systems (integration of distributed generation in electric power systems, dynamic and steady simulation of electric power systems with renewables); Fluency in English
Preference factors:	Experience in the development of dynamic simulation models for different renewable energy sources in Matlab/Simulink; Exp. in electric power systems stability studies; Fluency in Portuguese
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 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:	2016-09-01 a 2019-08-31
Funding Entity:	Funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project ERANETLAC/0005/2014 . 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.
Selection Jury:	President of the Jury: Prof. Carlos Moreira; Member: Prof. Manuel Matos; Member: Prof. Jorge Correia Pereira;
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 2019-02-06 to 2019-02-19
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.

