

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0162 (ESGRIDS - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING,MATHEMATICS Sub: Electrical engineering,Applied mathematics

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC.	
Project:	Enhancing smart GRIDs for sustainability
Scientific Advisor:	Carlos Moreira
Duration Grant:	from 2017-07-15 to 2018-07-14 (12) - Eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Power Systems
Project overview:	Identification and development of advanced methodologies and procedures to provide increased reliance levels to electric power distribution grids in face of critical events. The work to be developed will exploit the microgrid concept, in particular its capability to operate autonomously and even to launch a local service restoration procedure following a general blackout.
Objectives:	Development of steady state and dynamic simulation models of distribution grids Conceptualization and development of advanced tools for the operation and management of micro grids in different operating conditions

Academic Qualifications:	Master Degree in Applied Mathematics or Electrical Engineering or equivalent.
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:	Exp.develo.static/dynamic simulation models for different renewable energy sources in Matlab/Simulink; Exp. in electric power systems steady state dynamic stability studies; Portuguese fluent
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:	FCT (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. Carlos Moreira; Permanent Member: Prof. Manuel Matos; Substitute Member: Prof. Leonel Magalhães Carvalho;
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 2017-06-28 to 2017-07-13
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.

