CALL FOR APPLICATIONS

Job:

Job reference:	AE2016-0389 (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,COMPUTER SCIENCE
	Sub: Computer engineering,Electrical engineering,Applied mathematics,Programming,Informatics

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC.	
Project:	Desenvolvimento sustentável da rede elétrica inteligente
Scientific Advisor:	Leonel Magalhães Carvalho
Duration Grant:	from 2017-02-01 to 2018-01-31 (12) - Eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: Within the project ESGRIDS, the candidate will develop a 3-phase unbalanced OPF models for LV grids based on the combination of metaheuristics and classical optimization considering demand response, electric vehicle and storage devices.

Objectives: Development of a 3-phase unbalanced OPF models for LV grids based on the combination of metaheuristics and classical optimization Interaction with other research fellows dedicated to power system optimization aspects; - Dissemination of results in national/international conferences and scientific journals.

Academic Qualifications:	Master in Electrical and Computer Eng/Mathematics/Informatics and Computing Eng/equivalent.
Minimum Profile required:	Background on power system optim.
	English Fluency
	Solid programming skills C++/MATLAB
Preference factors:	Exper.application of Optimal Power Flow Tools Portuguese fluency
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: 72% curriculum evaluation (40% CV, 30% scientific domains and 2% Expertise) and 10% interview.
Selection Jury:	President of the Jury: Prof. Leonel Magalhães Carvalho;
	Permanent Member: Prof. Manuel Matos;
	Substitute Member: Prof. Carlos Moreira;
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 2017-01-05 to 2017-01-25
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt