

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0300 (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 Sub: Electrical engineering

Job summary:

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

Project:	INESC TEC-UID/EEA/50014
Scientific Advisor:	Bernardo Silva
Duration Grant:	from 2020-01-01 to 2020-12-31 (12) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: The work intends on focusing on the provision of flexibility by assets located in distribution grids, so that it can be mobilized by the electric system operator, thus, requiring the coordination between distribution and transmission operators. Therefore, the researcher should develop tools for the coordination on flexibility provision between TSO / DSO, in line with energy market and system services trends and respecting the technical constraints of networks.

Objectives: Survey of the state of the art; Architecture design to provide DSO flexibility to TSO; Development and operationalization of a flexibility coordination platform between TSO and DSO.

Academic Qualifications:	Degree in Electrical Engineering;
Minimum Profile required:	Ability to model steady state electrical systems; Ability to develop and operate OPF tools; Knowledge of energy markets and system services. Fluency in English (spoken and written).
Preference factors:	Exp. in steady state network analysis; Experience in PSS/E; Experience with optimization techniques.
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

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. Bernardo Silva; Member: Prof. Ricardo Jorge Bessa; Member: Prof. José Villar;
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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 2019-11-18 to 2019-11-29

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.