

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0301 (EU-SysFlex - 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:	Pan-European system with an efficient coordinated use of flexibilities for the integration of a large share of RES
Scientific Advisor:	Bernardo Silva
Duration Grant:	from 2020-01-01 to 2020-12-31 (12) eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: The work intends to focus on the development of an Optimal Power Flow (OPF) tool to verify the existing flexibility that can be mobilized between distribution and transmission networks, avoiding technical violations.

Objectives: - Develop an OPF tool for distribution networks. - Incorporate active and reactive power flexibility into the OPF model.

Academic Qualifications:	Master 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:	- Experience in steady state network analysis; - 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: 2017-11-01 a 2021-10-31

Funding Entity: CE

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. Bernardo Silva;
Member: Prof. Ricardo Jorge Bessa;
Member: Prof. José Villar;

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.