

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0010 (StoSS - CESE) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING Sub: Systems engineering

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for Degree holders .	
Project:	Sectorization to simplify and solve
Scientific Advisor:	Ana Maria Rodrigues
Duration Grant:	from 2019-03-18 to 2020-03-17 (12) . 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:	Decision Support; Operational Research; Systems Optimisation
Project overview:	Sectorization Problems (SP) often arise related to geographical issues when dividing a large region into smaller regions respecting specific conditions. Examples are the division of a region into political districts, sales territories or health care and policing areas, solid urban waste collection, school location and maintenance operations. The job will involve a comprehensive study of SP and the development of a decision support system to help dealing with complex sectorization situations.
Objectives:	Two main objectives: - To produce knowledge by exploiting and structuring the vast information about SP (characteristics, approaches, models,...) - To make a survey of the criteria most used in different SP applications and implementation of measures, which evaluate the quality of the sectors in a multicriteria context. The outputs produced will later be integrated into a decision support system.

Academic Qualifications:	Degree in Elect. & Comp. Eng., Informatics & Computing Eng., Eng & Industrial Manag. or similar
Minimum Profile required:	Solid knowledge of any object-oriented programming language; Teamwork capacity; Proficiency in English.
Preference factors:	Good Organization; Use of optimization tools; Knowledge in Multicriteria Analysis.
Monthly Grant:	€745,00 (Degree) 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:	2018-10-15 a 2021-10-14
Funding Entity:	Funded by FEDER through the Operational Programme for Competitiveness and Internationalisation - COMPETE 2020 Programme, and by National Funds through the FCT - Portuguese Foundation for Science and Technology, I.P., within project POCI-01-0145-FEDER-031671 .
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: 70% curriculum evaluation (35% CV, 25% scientific domains and 10% Expertise) and 30% 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. José Soeiro Ferreira; Member: Prof. António Lucas Soares; Member: Prof. Ana Maria Rodrigues;
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 2019-02-05 to 2019-02-18
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.