

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0271 (Cloud-Setup - CTM) 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:	
Scientific Advisor:	Pedro Miguel Carvalho
Duration Grant:	from 2017-11-20 to 2018-11-19 (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:	Development of algorithms for video processing and analysis.
Project overview:	The goal of the work is to research video processing algorithms for detecting elements in audiovisual content. The algorithms should process video files or streams to detect a set of visual elements to characterize parts of such content. Within this context, state-of-the-art techniques in relevant topics will be analyzed, including segmentation, feature extraction and classification. Also, different must be considered. The work must also address integration issues.
Objectives:	Research and implement image and video processing methods to detect objects and visual elements in audiovisual content; research and implement a strategy for the fusion of different algorithms; develop the modules and interfaces necessary for integration and operation.

Academic Qualifications:	MSc in Electric and Computer Engineering, Informatics or Computer Science or similar.
Minimum Profile required:	Fluent in English. Good knowledge in image and video processing, computer vision and machine learning. Good programming skills (C, C++ and Matlab).
Preference factors:	Motivation for team work Experience in this field. Experience in R&D projects. Initiative. Innovative.
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 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:	2016-07-01 a 2018-12-31
Funding Entity:	ANI with the financial support of the Fundo Europeu de Desenvolvimento Regional (FEDER) and by the Programa Operacional Regional do Norte (NORTE 2020).
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 (40% CV, 20% scientific domains and 10% Expertise) and 30% interview.
Selection Jury:	President of the Jury: Prof. Pedro Miguel Carvalho; Permanent Member: Prof. Paula Viana; Substitute Member: Prof. Luís Corte Real;
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 2017-10-24 to 2017-11-08
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.