

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0285 (NanoStima-RL4-2 - LIAAD) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: Sub:

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC.	
Project:	NanoSTIMA ? Macro-to-Nano Human Sensing: Towards Integrated Multimodal Health Monitoring and Analytics (NORTE-01-0145-FEDER-000016)
Scientific Advisor:	Pavel Brazdil
Duration Grant:	from 2017-12-01 to 2018-04-30 (5) . 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: Machine Learning, Data Mining
Project overview: The applicant should improve the methods for organization and retrieval of information stored in the form of textual documents by exploiting affinities (similarities) among the documents. The documents can thus be organized in the form of graph/network, permitting to identify sub-graphs (affinity groups) using, for instance, community detection algorithms. Current techniques permit to important nodes in each affinity group and characterize them using keywords.
Objectives: The aim is to extend the scheme and use two graphs to represent two sets of documents, permitting thus to analyze the cross-similarities. The aim of this is to explore some methods that for attributing links between the two graphs, while exploiting cross-similarities. This extension has many important applications, including for instance attributions of candidates to suitable projects.

Academic Qualifications:	Bachelor and MSc degree in Comp.Science,Computer Eng.,Maths,Economics,Management,related fields
Minimum Profile required:	The candidate must reach at least 50 percentage points in the first three criteria used in the assessment (Curriculum, scientific and Experience Domains).
Preference factors:	Knowledge and experience in the areas of data mining and/or machine learning and programming in R or Python language.
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:	2015-07-01 a 2018-06-30
Funding Entity:	CCDRN, funded by the European Regional Development Fund (ERDF) through the Northern Regional Operational Program (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: 75% curriculum evaluation (35% CV, 25% scientific domains and 15% Expertise) and 25% interview.
Selection Jury:	President of the Jury: Prof. Pavel Brazdil; Permanent Member: Prof. Rui Camacho; Substitute Member: Prof. Alípio Jorge;
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 2017-10-31 to 2017-11-17
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.