CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0177 (SMILES-7 - LIAAD)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: COMPUTER SCIENCE
	Sub: Programming,Computer Systems,Database management,Informatics

Job summary:

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

Project:	SMILES - Smart, Mobile, Intelligent and Large scale Sensing and analytics (NORTE-01-0145-FEDER-000020)
Scientific Advisor:	João Gama
Duration Grant:	from 2017-09-13 to 2018-03-12 (6) . 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: Data Mining

Project overview: Detect large variations of a multivariate spatio temporal signal. Several applications require detection of abrupt change detections in space and time. For example, detecting traffic jams from GPS signals, detecting abrupt increase of people in a particular square of a town from mobile activity, etc. The goal is to develop streaming algorithms to detect burst events from GPS and GSM signals

Objectives: Develop algorithms for detection of bursts of events from data streams. Streams can be in the form.

Academic Qualifications:	Master Computational Modeling
Minimum Profile required:	Background on data mining, data processing, good programming skills (R, C++, matlab, Java)
Preference factors:	Journal Publications, International Experience
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, financiado pelo Fundo Europeu de Desenvolvimento Regional (FEDER) através do 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 7º INESC TEC Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 90% curriculum evaluation (35% CV, 30% scientific domains and 25% Expertise) and 10% interview.

Selection Jury:	President of the Jury: Prof. João Gama;
	Permanent Member: Prof. Alípio Jorge;
	Substitute Member: Prof. João Mendes Moreira;
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 2017-07-11 to 2017-08-16
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.