INESCTEC

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0326 (SMILES-5 - CSIG)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: COMPUTER SCIENCE
	Sub: Computer Systems

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 Paiva Cardoso
Duration Grant:	from 2018-01-01 to 2018-06-30 (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: Developing DSLs and aspect oriented programming languages

Project overview: The work is related with the code transformation of models into implementations and/or prototypes and with runtime adaptivity strategies aware of system and data characteristics. The approaches to be researched will be based on AOP.

Objectives: -R&D of techniques based on AOP to allow a fast development and prototyping from models. -R&D of runtime adaptivity strategies and use of LARA to integrate those techniques into software applications.

Academic Qualifications:	Master in Informatics Engineering
Minimum Profile required:	- Experience with the development of adaptivity strategies using LARA;
	- Knowledge and experience in the development of weavers and source to source compilers and code transformations;
Preference factors:	- Knowledge and experience with runtime autotuning and runtime adaptivity of applications; - Experience on the use of AOP - Knowledge and experience of programming in MATLAB, C and Java;
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 North Regional Operational Program (North 2020) NORTE-01-0145-FEDER-000020.

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 (30% CV, 20% scientific domains and 20% 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. João Paiva Cardoso;
	Permanent Member: Prof. João Bispo;
	Substitute Member: Prof. Ademar Aguiar;
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 2017-12-06 to 2017-12-21
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.