

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2017-0340 (SMILES-7 - LIAAD) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Post-Doc Grants (BPD)
<b>City:</b>	INESC TEC - Porto- Portugal
<b>Research field:</b>	Main: COMPUTER SCIENCE,ENGINEERING Sub:

### Job summary:

<b>INESC TEC is accepting applications to award 1 Postdoctoral Grant .</b>	
<b>Project:</b>	SMILES - Smart, Mobile, Intelligent and Large scale Sensing and analytics (NORTE-01-0145-FEDER-000020)
<b>Scientific Advisor:</b>	Alípio Jorge
<b>Duration Grant:</b>	from 2018-01-01 to 2018-12-31 (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.
<b>Location:</b>	INESC TEC - Porto- Portugal

### Job description:

<b>Work Area:</b> Machine Learning/Predictive maintenance/Sensor data/Optimization/Simulation/Numerical Analysis
<b>Project overview:</b> This is project explores innovative ideas in the area of knowledge extraction from data in large scale problems, aiming at recognizing and dealing with critical issues, or extreme events. The purpose is to recognize, such events and integrate this recognition in diagnosis and decision processes. The project demands a dense scientific and professional experience due to its practical industrial application targets and its working requirements at the level of a PhD.
<b>Objectives:</b> The work requires a high-level approach and the development of advanced solutions that may find application in industrial environment. It aims at the definition of requirements for a diagnosis/prognosis system for critical failures. The final deliverable will be a report with full description of the model and the formal requirements for its implementation.

<b>Academic Qualifications:</b>	PhD Computer Science, Informatics, Electrical Engineering or similar, judged adequate by the jury
<b>Minimum Profile required:</b>	Programming & statistics, operations research, sensor data acquisition in realtime machine learning, signal processing, bigdata(Hadoop). Programming experience: R, python, C++, java, Matlab. Scientific pubs.
<b>Preference factors:</b>	Professional industrial experience in the areas mentioned. Professional experience in project leadership
<b>Monthly Grant:</b>	€1495,00 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.

<b>Project duration:</b>	2015-07-01 a 2018-12-31
<b>Funding Entity:</b>	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 <a href="#">INESC TEC Grants Regulation</a> and relating annexes may be found at <a href="http://www.inesctec.pt/grants">www.inesctec.pt/grants</a>	

<b>Selection Criteria:</b> Curriculum evaluation based on the criteria referred to in Clause 7 <a href="#">INESC TEC Grants Regulation</a> and will include individual interviews in the final stage of the selection process, with its valuation: 80% curriculum evaluation (30% CV, 25% scientific domains and 25% Expertise) and 20% interview. Only those candidates who obtain at least 70% in the curricular evaluation (CV + Scientific Domain + Experience) will be called for the interview.	
<b>Selection Jury:</b>	President of the Jury: Prof. Alípio Jorge; Permanent Member: Prof. Vladimiro Miranda; Substitute Member: Prof. Rui Carlos Oliveira;
<b>Notification of results:</b>	The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of <a href="#">INESC TEC Grants Regulation</a> .
<b>Application period:</b>	From 2017-12-07 to 2017-12-22
<b>Application submission:</b>	Fill in the electronic form in the section <a href="#">Work with Us</a> at <a href="http://www.inesctec.pt">www.inesctec.pt</a> , attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.