

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2016-0176 (iMAN-4 - LIAAD) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Post-Doc Grants (BPD)
<b>City:</b>	Porto
<b>Research field:</b>	Main: COMPUTER SCIENCE Sub: Programming, Informatics, Modeling tools, Systems design

### Job summary:

<b>INESC TEC is accepting applications to award 1 Postdoctoral Grant</b>	
<b>Project:</b>	TEC4Growth - RL iMAN - Intelligence for advanced Manufacturing systems (NORTE-01-0145-FEDER-000020)
<b>Scientific Advisor:</b>	Dalila Fontes
<b>Duration Grant:</b>	from 2016-09-15 to 2017-09-14 (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>	Operational Research
<b>Project overview:</b>	Development of optimization algorithms, namely heuristics, for network problems. Computational implementation of the algorithms. Test and performance evaluation through the solutions obtained for benchmark problems.
<b>Objectives:</b>	- 2 scientific papers - Computational Implementation of a flexible framework for the algorithms developed that can easily be adapted to other network problems.

<b>Academic Qualifications:</b>	PhD in Operational Research, Industrial Eng., Comp. Science, Applied Mathematics or similar
<b>Minimum Profile required:</b>	Sound knowledge of Operational research Experience with development and implementation of algorithms Authorship of scientific publications. Sound knowledge of English
<b>Preference factors:</b>	Knowledge of graph theory Good knowledge of statistics
<b>Monthly Grant:</b>	€1495 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 2018-06-30
<b>Funding Entity:</b>	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 <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 7º <a href="#">INESC TEC Grants Regulation</a> and will include individual interviews in the final stage of the selection process, with its valuation: 85% curriculum evaluation (50% CV, 20% scientific domains and 15% Expertise) and 15% interview.
<b>Selection Jury:</b>	President of the Jury: Prof. Dalila Fontes; Permanent Member: Prof. José Fernando Gonçalves; Substitute Member: Prof. Jorge Pinho de Sousa;
<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 2016-07-28 to 2016-08-31
<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>