

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2017-0145 (NanoStima-RL1-1 - CAP) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Research Grants (BI)
<b>City:</b>	Porto
<b>Research field:</b>	Main: ENGINEERING,PHYSICS Sub: Optics

### Job summary:

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

<b>Project:</b>	NanoSTIMA ? Macro-to-Nano Human Sensing: Towards Integrated Multimodal Health Monitoring and Analytics (NORTE-01-0145-FEDER-000016)
<b>Scientific Advisor:</b>	Orlando Frazão
<b>Duration Grant:</b>	from 2017-09-01 to 2018-05-30 (9) . 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>	Fabrication of tapers for medical solutions
<b>Project overview:</b>	The project aims to design, test and implement optical tweezers made by tapers Tasks to perform include: - Manufacture of CO2 fiber tapers - Characterization of tapers and study of tip geometry - Demonstration of the prototype in aqueous media.
<b>Objectives:</b>	Manufacture of fiber optic tapers for medical applications; Testing, characterization and optimization of tapers as a sensing element.

<b>Academic Qualifications:</b>	Master Degree in Applied Physics/Physics and related areas.
<b>Minimum Profile required:</b>	Experience in laboratorial work in fiber taper fabrication.
<b>Preference factors:</b>	Expertise in optical fibers
<b>Monthly Grant:</b>	€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.

<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: 80% curriculum evaluation (35% CV, 25% scientific domains and 20% Expertise) and 20% interview.
<b>Selection Jury:</b>	President of the Jury: Prof. Carla Carmelo Rosa; Permanent Member: Prof. Orlando Frazão; Substitute Member: Prof. Manuel Joaquim Marques;
<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 2017-06-15 to 2017-07-15
<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.