

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2019-0371 (UNEXUP - CRAS) 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 Sub: Electronic engineering

### Job summary:

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

<b>Project:</b>	UNEXUP. UNEXMIN Upscaling
<b>Scientific Advisor:</b>	José Miguel Almeida
<b>Duration Grant:</b>	from 2020-02-01 to 2020-07-31 (6) eventually renewable until the project conclusion or budget.
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

**Work Area:** Underwater robotics

**Project overview:** Development of modular autonomous robotic system for exploration and mapping of flooded mines.

**Objectives:** The applicant will participate in the development of an autonomous underwater system capable of exploring autonomous galleries and flooded mine tunnels. The work address the construction of a up-scale vehicle prototype, with greater operability than the current prototypes and evolution of the navigation and mapping software.

<b>Academic Qualifications:</b>	Master in Electrotechnical Engineering or related fields.
<b>Minimum Profile required:</b>	Solid knowledge of underwater robotics.
<b>Preference factors:</b>	Experience in Underwater Robotics. Knowledge of robotics, perception, control, navigation in underwater environments.
<b>Monthly Grant:</b>	€989,70 (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:** 2020-01-01 a 2022-12-31

**Funding Entity:** EIT

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](http://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 (40% CV, 20% scientific domains and 10% Expertise) and 30% interview.

**Selection Jury:** President of the Jury: Prof. Eduardo Silva;  
Member: Prof. Diana Viegas;  
Member: Prof. Hugo Miguel Silva;

**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 2019-12-23 to 2020-01-06

**Application submission:** Fill in the electronic form in the section [Work with Us](#) at [www.inesctec.pt](http://www.inesctec.pt), , attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.