

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0471 (MineIO - CRAS) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Robotics, autonomous systems	
Project:	A Holistic Digital Mine 4.0 Ecosystem
Scientific Advisor:	José Miguel Almeida
Start Date:	2024-01-04
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Robotics, autonomous systems
Project overview: - Explore methods for increasing the autonomy of the UX1-Neo and EVA underwater robotic platforms. - Development of autonomous exploration algorithms, landmark-based navigation algorithms to strengthen navigation in confined environments and for the transport and positioning of underwater sensors. - Preparation of tests and validation of systems developed in operational scenarios.
Objectives: Extend the capacity for autonomous exploration of Robots and the use of autonomous Robot platforms to transport and precisely position sensors in underwater environments.

Academic Qualifications:	Master in Electrical Engineering.
Minimum profile required:	Master's degree in Electrical and Computer Engineering.
Preference factors:	Experience in autonomous underwater robotics in mining environments and field experience with underwater robotics. Experience with ROS environment and simulation environments such as gazebo.

Funding Entity:	on the scope MineIO with reference 101091885 funded by the European Commission under the Horizon Europe program for the period 2021-2027.
Type of contract:	Uncertain term contract The hiring shall be governed by what is stipulated in the legislation in force regarding uncertain term employment contracts and by INESC TEC norms.

Selection criteria:	The selection of the candidates will be based on the following criteria, in descending order of consideration: a) Relevant Curriculum in the concerned field of this tender b) Proven experience.
Selection Jury:	President of the Jury: Eduardo Silva; Member: Diana Viegas; Member: André Dias;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2023-11-30 to 2023-12-18
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us

