

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0031 (EUSCORES-3 - CRAS) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING Sub: Electronic engineering

Job summary:

INESC TEC is accepting applications for 1 job in the Robotic systems in marine environment	
Project:	EUropean - Scalable and Complementary Offshore Renewable Energy Sources
Scientific Advisor:	Alfredo Martins
Start Date:	2022-03-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Robotic systems in marine environment
Project overview:	Development of robotic systems for inspection and monitoring of offshore energy parks
Objectives:	Requirements analysis and planning of inspection, maintenance and environmental monitoring activities to be carried out by aerial and submarine robotic systems in the demonstration of offshore energy production (photovoltaic and wave energy) within the European project EU-SCORES. Participation in the development of specific solutions and adaptation of existing robots in the INESC TEC with the purpose of carrying out activities with robotic systems. Mission tracking and field testing. Results analysis obtained with the purpose of the integration of robotic systems in O&M processes and environmental monitoring in large-scale multidisciplinary offshore energy parks and their economic impact on the construction and operation of these parks.

Academic Qualifications:	Master in Electrotechnical Engineering
Minimum profile required:	Master in Electrotechnical Engineering and experience in mobile robot programming and operation
Preference factors:	Experience in mobile robot development; knowledge of ROS; Knowledge of programming in mobile robotics; knowledge of autonomous navigation; Experience with autonomous aerial vehicles; Experience with underwater robotic vehicles; Scientific publications in the area related to the work to be carried out.

Funding Entity:	funded by CE, project (reference 101036457)
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: Prof. Alfredo Martins; Member: Prof. Diana Viegas; Member: Prof. José Miguel Almeida;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-01-26 to 2022-02-08
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us