INESCTEC

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2025-0587 (CRAS-Geral - CRAS)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING
	Sub:

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Robotics	
Scientific Advisor:	Alfredo Martins
Start Date:	2026-01-26
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Robotics

Project overview: Development of mechanical solutions for real-time and in-situ water sampling and filtration for eDNA collection. These solutions are integrated within the scope of the NMicroARTIC, Bioprotect, NauAzul, and Plantastic research projects. This work plan includes the redesign and implementation of a mechanical and micro-hydraulic solution for the biosampler for submerged use, as well as consideration of its use in environments with extreme weather conditions, at great depths, and in situations of monitoring the biological impact of marine infrastructures such as offshore renewable energy production structures or aquaculture. In addition to the development of specific biosampling solutions in the marine environment, the work plan also includes aspects of their integration into different underwater robots. The plan also includes the testing and validation of the implemented solutions and monitoring of their implementation in the field, as well as the preparation of all associated documentation and user manuals. Active participation in the preparation of scientific publications and other related materials is also considered an integral part of the work to be carried out.

Objectives: To contribute to the development of environmental data sampling and sensing solutions in the ocean environment, and in particular in the collection of eDNA information in the marine environment.

Academic Qualifications:	Master's degree in Mechanical Engineering
Minimum profile required:	- Experience with eDNA collection and sampling systems;
	- Experience with fieldwork and sea trials;
	- Experience with filtration and microfluidic systems.
Preference factors:	- Experience in microhydraulic system design;
	- Experience in embedded systems;
	- Maritime safety course (STCW "Standards of Training and Certification of Watchkeeping", security awareness training certificate);
	- Experience in SolidWorks design;
	- Experience in manufacturing mechanical components.

Funding Entity:	
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.
Disability Incentive:	Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment.
	Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment.
	Said score may, in these cases, exceed 100 points.
	Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96, of October 23 - currently in effect.
	Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.

Selection Jury:	President of the Jury: Hugo Miguel Silva;
	Member: André Dias;
	Member: Diana Viegas;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2025-12-18 to 2026-01-02
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us