

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0151 (SMARTDRYING - CRIIS) 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 and Automation for Agriculture and Forestry	
Project:	Sistema Inteligente para Secagem de Lamas de ETAR em Estufa
Scientific Advisor:	Filipe Neves Santos
Duration of the contract:	from 2022-06-15 to 2023-05-14, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Robotics and Automation for Agriculture and Forestry
Project overview:	- Collaborate in the development of reports for the project; - Develop automation and robotization modules for robotic solutions; - Test and validate the solutions developed in real context.
Objectives:	- Expand knowledge of the state of the art in the specific scientific area of the contract; - Identify and select methods/approaches for navigation systems for robotic systems in greenhouses; - Contribute to the development of the VineSLAM solution for the greenhouse context; - Exercise critical thinking in evaluating the research process and the obtained results.

Academic Qualifications:	Master in Electrical Engineering or related field
Minimum profile required:	- Master's average higher than 13; - At least 1 paper published in a peer-reviewed conference or journal.
Preference factors:	- Experience in developing solutions in ROS (Robotic Operating Systems) environment - Experience in the development of robotic systems - Experience in code development in C/C++ language on Linux - Experience developing project reports

Funding Entity:	funded by Fundo Europeu de Desenvolvimento Regional (FEDER) and by the Operational Programme for Competitiveness and Internationalisation, project (reference POCI-01-0247-FEDER-047203
Type of contract:	fixed-term contract
The hiring shall be governed by what is stipulated in the legislation in force regarding fixed-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. Filipe Neves Santos; Member: Prof. Luís Freitas Rocha; Member: Prof. Héber Miguel Sobreira;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-05-04 to 2022-05-17
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us