INESCTEC

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0371 (Produtech_R3 - 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 Mobile Robotics	
Project:	Agenda Mobilizadora da Fileira das Tecnologias de Produção para a Reindustrialização
Scientific Advisor:	Pedro Gomes Costa
Start Date:	2023-11-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Mobile Robotics

Project overview: Study and development of solutions for the task scheduling problem for a fleet of mobile robots. Development of new features of the fleet manager Supervision module. Development of new features of the trajectory planning module Study and development of an architecture for the possibility of scaling the number of robots and increasing the size of maps for the fleet manager. Promote the demonstration, in an industrial environment, of multi-robot solutions. Develop fleet manager demonstrations at iiLab. Management and monitoring support of projects in the CRIIS mobile robotics area.

Objectives: Investigação e desenvolvimento do gestor de frota de robôs móveis

Academic Qualifications:	Master's degree in Electrical Engineering or similar areas.
Minimum profile required:	Experience in C/C++ programming
	Experience in the ROS framework.
	Experience in multi robot solutions
	The candidate must be enrolled in a PhD course in Electrical and Computer Engineering or similar areas.
Preference factors:	Experience working with mobile robots is valued.
	Experience in path planners and task scheduling is valued

Funding Entity:	Produtech_R3 funded by IAPMEI with reference 60 Co-financed by Component 5 - Capitalization and Business Innovation, integrated in the Resilience Dimension of the Recovery and Resilience Plan within the scope of the Recovery and Resilience Mechanism (MRR) of the European Union (EU), framed in the Next Generation EU, for the period 2021 - 2026.
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. Pedro Gomes Costa;
	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 2023-09-28 to 2023-10-11
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us