

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0355 (Produtech_R3 - CEGI) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING Sub: Industrial engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Cutting and Packing Problems	
Project:	Agenda Mobilizadora da Fileira das Tecnologias de Produção para a Reindustrialização
Scientific Advisor:	António Galvão Ramos
Start Date:	2023-10-15
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Cutting and Packing Problems
Project overview: Development of intelligent and advanced algorithms for packing problems in internal logistics operations.
Objectives: The main objective of the work is to develop decision support systems for a robotic palletizing system for heterogeneous articles.

Academic Qualifications:	Master in Industrial Engineering, Informatics Engineering, Computer Science or related area
Minimum profile required:	Experience in the following skill(s): <ul style="list-style-type: none">- Programming in C++, Python;- analysis and development of optimization models;- Use of the IBM Cplex software; Ability to work in group, high autonomy, and organization. Experience in combinatorial optimization problems. Advanced knowledge of English (spoken and written).
Preference factors:	<ul style="list-style-type: none">- Experience in developing Decision Support Systems in a business environment;- Knowledge in Physics Engines;- Knowledge in Machine Learning;- C++ programming experience;- Knowledge of version control tools (Git).

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: <ol style="list-style-type: none">Relevant Curriculum in the concerned field of this tenderProven experience.
Selection Jury:	President of the Jury: Prof. Elsa Marília Silva; Member: Prof. António Galvão Ramos; Member: Prof. Pedro Filipe Rocha;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2023-09-14 to 2023-09-27
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us