

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0398 (BioShoes4All - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING,MATHEMATICS,PHYSICS Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Industry

Project:	Projeto Integrado BioShoes4All
Scientific Advisor:	Ricardo Jorge Bessa
Start Date:	2023-02-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Industry

Project overview: The National project BioShoes4All aims to research, develop, and demonstrate an Eco-efficient Planning system that incorporates the consumption profile of production equipment and the renewable energy generation profile into decision making with the aim of maximizing the use of renewable energy sources, and lower production cost.

Objectives: Development of a methodology that combines a flexibility audit of energy-intensive processes, simulation, and optimisation of the production process. Development of algorithms for strategic planning and scheduling of production.

Academic Qualifications:	Master degree in applied mathematics, physics, computer science, electrical and computer engineering or industrial engineering or similar.
Minimum profile required:	Basic knowledge about energy efficiency and optimization. Programming skills (Python or C++).
Preference factors:	Knowledge in operations research. Experience with software and API development.

Funding Entity:	BioShoes4All funded by IAPMEI, Co-financed by Component 12 - Promotion of Sustainable Bioeconomy, integrated in the Climate Transition 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. Ricardo Jorge Bessa; Member: Prof. David Emanuel Rua; Member: Prof. Clara Sofia Gouveia;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-12-14 to 2023-01-14
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us