CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0271 (ATE - CPES)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciï¿½ncia
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: COMPUTER SCIENCE
	Sub: Informatics

Job summary:

INESC TEC is accepting applications for 2 RESEARCHER job in the Computer Science - Informatics

Project:	Alliance for Energy Transition
Scientific Advisor:	José Ricardo Andrade
Start Date:	2023-09-27
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Computer Science - Informatics

Project overview: The work to be developed by the Researcher is part of the activities of the Alliance for Energy Transition (ATE) project, which aims to develop and industrialize new technologies to support the decarbonization of society, taking advantage of technological and scientific knowledge in the field of Energy in Portugal, with 55 companies and 27 universities/research and technology organizations. The activities will be developed in the Digitalization axis of the energy sector, namely focused on accelerating the digitalization of energy networks, services, and energy assets, considering aspects such as interoperability (between platforms, services, systems, among others), common data spaces (aligned with the European GAIA-X initiative), artificial intelligence, cybersecurity and resilience of physical assets.

Objectives: Development and application of artificial intelligence algorithms for different use cases in the energy sector, e.g., renewable energy and energy consumption forecasting, control of power grids, and distributed energy resources;

Development of an AutoML library for time series data;

Testing and demonstration in a real-world environment.

Academic Qualifications:	Bacharel or Master in electrical and computer engineering; informatics; computer science; applied mathematics; other related
Minimum profile required:	Basic knowledge of machine learning; Advanced knowledge of a programming language applied to data science (e.g., Python, R).
Preference factors:	Experience in developing and applying machine learning algorithms to engineering problems; Proven experience developing Python libraries; Experience with version control tools (preferably Git); Fluency in English (spoken and written).

Funding Entity:	ATE funded by IAPMEI with reference 56 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. Ricardo Jorge Bessa; Member: Prof. Jorge Correia Pereira; Member: Prof. David Emanuel Rua;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2023-07-20 to 2023-09-09
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us