

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0399 (ENERSHARE - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: COMPUTER SCIENCE,ENGINEERING,MATHEMATICS Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Power Systems-Smart Grids	
Project:	European common Energy dataSpace framework enabling data sharing-driven Across- and beyond- energy services
Scientific Advisor:	Ricardo Jorge Bessa
Start Date:	2023-02-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems-Smart Grids
Project overview: The European ENERSHARE project aims to a) define reference architecture for a European Common Data Space, creating the data value chain perspective for the energy sector; b) evolve the interoperability, trust, and value of data; c) combine blockchain technologies with machine learning techniques, and data market algorithms for the development of data-driven energy and cross-sector services. The project has 7 pilots for demonstration, including one pilot in Portugal.
Objectives: Develop new distributed learning (federated learning) and machine learning techniques applied to energy sector use cases. Formulate and implement new approaches for data market in the energy sector.

Academic Qualifications:	Master's degree in applied mathematics, physics, computer science, electrical and computer engineering or informatics or similar.
Minimum profile required:	++. Basic knowledge about machine learning. Programming skills (Python or C++).
Preference factors:	Knowledge in energy management and optimization. Experience with software and API development. Fluency in English (spoken and written).

Funding Entity:	on the scope ENERSHARE with reference 101069831 funded by the European Commission under the Horizon Europe program for the period 2021-2027.
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. Carla Silva Gonçalves;
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

