CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0032 (Green_Dat_AI - 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:	Energy-efficient AI-ready Data Spaces
Scientific Advisor:	Ricardo Jorge Bessa
Start Date:	2023-03-15
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems-Smart Grids

Project overview: The European Project GREEN.DAT.AI will demonstrate the efficiencies of the new large-scale data analytics services in four industries (Smart Energy, Smart Agriculture/Agri-food, Smart Mobility, Smart Banking) and six different application scenarios, leveraging the use of European Data Spaces. The work of INESC TEC is focused on federated learning and control at the edge device (smart electric vehicle charging) and maintenance of renewable power plants.

Objectives: Development of federated learning and control algorithms for intelligent control of electric vehicles; Development of strategies to valorise data from renewable power plants in advanced maintenance strategies.

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 Green_Dat_AI with reference 101070416 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 2023-01-25 to 2023-02-25
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us

Funded by the European Union