INESCTEC

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2021-0255 (Plurianual_LA - CPES)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING,MATHEMATICS,COMPUTER SCIENCE
	Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 job in the Smart Grids	
Project:	Financiamento Laboratório Associado
Scientific Advisor:	Carla Silva Gonçalves
Duration of the contract:	from 2022-01-15 to 2023-01-14
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Smart Grids

Project overview: Development of new federated learning techniques applied to energy time series (renewable production, energy consumption, voltage, etc.). Formulate and implement new approaches for data markets in the energy sector, considering cases such as renewable production forecasting or asset management.

Objectives: The proliferation of sensors in smart electrical grids and Renewable energy power plants is producing large volumes of data and the opportunity to develop approaches based on federated learning and data market. The goal is the development of new algorithms for monetization and data exchange, considering also the implementation of distributed learning techniques with data privacy.

Academic Qualifications:	Bachelor or Master degree in electrical and computer engineering, applied mathematics or computer science or informatics or similar.
Minimum profile required:	Knowledge about machine learning techniques. Advanced Python programming skills.
Preference factors:	Experience with time series multivariate forecasting; Fluency in English and Portuguese (spoken and written).

Funding Entity:	funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., project (reference LA/P/0063/2020
Type of contract:	fixed-term contract
The hiring shall be governed by what is stipulated in the legislation in force regarding fixed-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. Carla Silva Gonçalves;
	Member: Prof. Ricardo Jorge Bessa;
	Member: Prof. Jorge Correia Pereira;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2021-11-24 to 2021-12-10
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us

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