

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0521 (ATE - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	INESC TEC
Research field:	Main: ENGINEERING Sub: Computer engineering, Electronic engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Energy Systems - Smart EV Charging Systems	
Project:	Alliance for Energy Transition
Scientific Advisor:	Gil Silva Sampaio
Start Date:	2024-01-30
Location:	INESC TEC

Job description:

Work Area: Energy Systems - Smart EV Charging Systems
Project overview: Development of SW and HW solutions for electric mobility that enable intelligent management and control of the charging system and electric vehicles according to the needs of buildings and the electric grid.
Objectives: Development of federated learning and control algorithms for intelligent control of electric vehicles; Implementation of management and control strategies for electric vehicles; Testing and validation of SW and HW modules for next-generation chargers (ISO 15118); Demonstration in a real environment.

Academic Qualifications:	Bachelor or Master degree in Electrical and Computer Engineering or Computer Science, Informatics, or similar
Minimum profile required:	Programming knowledge (C/C++, Python) Experience in integrating electronic systems and digital platforms
Preference factors:	Skills and competences in embedded and distributed computing Experience in developing SW and HW modules Testing and validation competences of prototyped solutions

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: David Emanuel Rua; Member: Ricardo Jorge Bessa; Member: Gil Silva Sampaio;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2023-12-21 to 2024-01-13
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us