

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2024-0429 (CPES-Geral - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING,COMPUTER SCIENCE Sub: Informatics

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Power Systems	
Scientific Advisor:	Filipe Joel Soares
Duration of the contract:	from 2024-12-01 to 2025-12-31, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems	
Project overview: Specification, design, development and implementation of tools in the energy area, involving charging electric vehicles, load forecasting and renewable production and operation of distribution networks. Specify the exchange of information between systems and develop APIs to enable interaction between new tools and existing platforms. Development of use cases and services related to the optimization of electric vehicle charging.	
Objectives:	<ul style="list-style-type: none">• Development of an algorithm for optimizing EV fleets• Incorporation of a priority system for access to charging infrastructure• Integration of Open Charge Map for charging on public infrastructure in case of long trips• Testing the algorithm with different use cases• Algorithm implementation and demonstration in a real environment

Academic Qualifications:	Bachelor or Master degree in electrical and computer engineering or similar.
Minimum profile required:	Experience with Python programming. Fluency in English and Portuguese (written and spoken).
Preference factors:	Knowledge of concepts about charging electric vehicles. Experience with optimization and forecasting models.

Funding Entity:	
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.
Disability Incentive:	Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment. Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment. Said score may, in these cases, exceed 100 points. Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96, of October 23 - currently in effect. Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.
Selection Jury:	President of the Jury: Filipe Joel Soares; Member: António Coelho; Member: Carlos Moreira; Substitute member: Manuel Matos;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2024-10-17 to 2024-11-03
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us