

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2024-0057 (ATE - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Power Systems

Project:	Alliance for Energy Transition
Scientific Advisor:	Ricardo Jorge Bessa
Start Date:	2024-03-11
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: The work to be developed by the Researcher is part of the activities of the Alliance for Energy Transition (ATE) project, which aims to develop and industrialize new technologies to support the decarbonization of society, taking advantage of technological and scientific knowledge in the field of Energy in Portugal, with 55 companies and 27 universities/research and technology organizations. The activities will be developed in the field of intelligent electrical grid operations, specifically focused on accelerating the digitization of energy networks, and adopting artificial intelligence techniques, with the fundamental goal of optimizing the operation of electrical systems.

Objectives: - Development and application of artificial intelligence algorithms for various use cases in the energy sector

- Development of new tools for electrical system operation.
- Testing of digital twins for the electrical system.

Academic Qualifications:	Master in electrical and computer engineering
Minimum profile required:	<ul style="list-style-type: none">- Professional experience in electrical power systems.- Experience with commercial software for electrical network analysis (PSSE and/or DigSilent).- Advanced experience in a programming language (e.g., Python).
Preference factors:	<ul style="list-style-type: none">- Experiência no desenvolvimento e aplicação de algoritmos de aprendizagem automática a problemas de engenharia.- Experiência comprovada no desenvolvimento de bibliotecas Python.- Fluência em Inglês (escrito e falado).

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:	Permanent contract
The hiring shall be governed by what is stipulated in the legislation in force regarding permanent 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: Ricardo Jorge Bessa; Member: Manuel Matos; Member: David Emanuel Rua;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2024-02-15 to 2024-02-28
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us