

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0251 (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 Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Power systems - Smart Grids	
Scientific Advisor:	Clara Sofia Gouveia
Duration of the contract:	from 2022-09-05 to 2023-09-04, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power systems - Smart Grids
Project overview: Digitalization of distribution networks contributes to improve grid monitoring and decentralized control. Increased intelligence particularly at the HV/MV substation will help manage the network facing the large scale integration of distributed energy resources. The work will focus in the development of improved decentralized voltage regulation strategies for MV networks, considering the possibility of bidirectional power flows and higher uncertainty associated to load diagrams.
Objectives: The candidate selected for this position will be involved in scientific and technological innovation initiatives in the field of MV automation and control. Furthermore, it will participate in software integration and testing tasks in existing systems, developed by industry partners developing automation and control equipment.

Academic Qualifications:	Bachelor or Master degree in electrical and computer engineering.
Minimum profile required:	Experience coding in C++ or Python.
Preference factors:	Solid in steady state power system analysis and tools. Fluency in English and Portuguese (written and spoken). Experience in the development of APIs.

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.
Selection Jury:	President of the Jury: Prof. Manuel Matos; Member: Prof. Clara Sofia Gouveia; 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 2022-08-03 to 2022-08-17
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us