

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0321 (SmartGlow - 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 Smart Grids

Project:	Smart Green Energy for Low Frequency Aperture Arrays
Scientific Advisor:	Clara Sofia Gouveia
Start Date:	2022-12-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Smart Grids

Project overview: Microgrid solutions enable the deployment of very flexible and resilient self-consumption and renewable based energy communities. Its coordinated control capability for managing its local resources enable the its autonomous operation in case of main grid interruptions. The work will focus in the development of a microgrid solution for distinct applications (e.g. industrial consumers, telecommunication infrastructures, etc.).

Objectives: The candidate selected for this position will be involved in scientific and technological innovation initiatives in the field of microgrid control and protection. Furthermore, it will participate in software integration and testing tasks in existing systems, developed by industry partners developing automation and control equipment.

Academic Qualifications:	Master degree in electrical and computer engineering.
Minimum profile required:	Solid Experience with Matlab/Simulink or DigSilent: Power Factory.
Preference factors:	Knowledge in power electronic inverters design and prototyping. Fluency in English and Portuguese (written and spoken).

Funding Entity:	funded by Fundo Europeu de Desenvolvimento Regional (FEDER) and by the Operational Programme for Competitiveness and Internationalisation, project (reference POCI-01-0247-FEDER-069733)
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: Prof. clara sofia; Member: Prof. David Emanuel Rua; Member: Prof. Ricardo Jorge Bessa;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-10-19 to 2022-11-15
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us