

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0394 (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 Local energy communities	
Scientific Advisor:	Clara Sofia Gouveia
Duration of the contract:	from 2023-02-01 to 2024-01-31, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Local energy communities
Project overview: - Identification of control and protection requirements in industrial microgrids for operating islanded - Dynamic modelling and simulation of microgrids - Development of power and energy management strategy for islanded operation - Development of local blackstart procedures
Objectives: - Identification of control and protection requirements in industrial microgrids for operating islanded - Dynamic modelling and simulation of microgrids - Development of power and energy management strategy for islanded operation - Development of local blackstart procedures

Academic Qualifications:	Master in electrical and computer engineering; power systems and other related areas
Minimum profile required:	Experience renewable based system dynamic modelling - Modelling and simulation software (Matlab Simulink, etc.) - Programming experience (Python, etc.)
Preference factors:	- Experience in microgrid control and islanded operation - Experience in projects for micro-grids - Fluency in English (spoken and written)

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. Clara Sofia Gouveia; Member: Prof. Ricardo Jorge Bessa; Member: Prof. David Emanuel Rua;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-12-07 to 2023-01-15
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us