

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0223 (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 Energy communities	
Scientific Advisor:	José Villar
Start Date:	2023-08-08
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Energy communities
Project overview: - Design of business models and energy sharing mechanisms in energy communities with shared resources and multi-sector activities. - Design and implementation of optimization and resource management algorithms in energy communities - Implementation of communication interfaces through web services (Rest API) - Production, testing, validation and demonstration of technological solutions. - Writing technical papers and articles for international conferences and journals
Objectives: - Understand the regulatory context and business models of energy communities - Specify requirements for new models and design - Specify and design the resource management systems and sharing mechanisms corresponding to the business models - Implement and test with test scenarios - Integration into existing software systems - Writing reports and papers for international conferences and journals with the new designs and results

Academic Qualifications:	Bachelor or Master electrical and computer engineering or related areas
Minimum profile required:	Formulation and implementation of optimization problems
Preference factors:	Experience in energy communities, energy management systems, digital platforms, python programming and APIs, fluency in English and Portuguese (written and spoken)

Funding Entity:	
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. José Villar; Member: Prof. Ricardo Jorge Bessa; Member: Prof. Clara Sofia Gouveia;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2023-06-21 to 2023-07-21
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us