

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0424 (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 Electrical Engineering

Scientific Advisor:	José Villar
Start Date:	2023-12-05
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Electrical Engineering

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:	Bacharel 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: José Villar;
Member: Ricardo Jorge Bessa;
Member: Clara Sofia Gouveia;

Notification of results: The results of the selection process will be sent to the interested by electronic mail.

Application period: From 2023-11-02 to 2023-11-16

Application submission: Electronic form filling in www.inesctec.pt in the section [Work with Us](#)