

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

| | |
|----------------------------|--|
| Job reference: | AE2023-0224 (ATE - 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 | |
| Project: | Alliance for Energy Transition |
| 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: | ATE funded by IAPMEI with reference 56 Co-financed by Component 5 - Capitalization and Business Innovation, integrated in the Resilience Dimension of the Recovery and Resilience Plan within the scope of the Recovery and Resilience Mechanism (MRR) of the European Union (EU), framed in the Next Generation EU, for the period 2021 - 2026. |
| 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 |