

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2020-0217 (GPDER - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	
City:	Porto
Research field:	Main: ENGINEERING Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 job in the Power Systems/Smart Grids area.

Project:	Grid Predictive Management Considering Distributed Energy Resources
Scientific Advisor:	Jorge Correia Pereira
Duration of the contract:	from 2020-12-15 to 2021-12-14
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems/Smart Grids

Project overview: Development of a module for probabilistic load allocation in a distribution grid; Development of a multi-temporal optimization module for the predictive operation of distribution grids with energy storage. Software integration with a commercial platform for distribution grid management.

Objectives: Development of algorithms and software for monitoring and control of distribution grids with distributed energy resources.

Academic Qualifications:	Master degree in electrical and computer engineering or computer science or informatics or similar.
Minimum profile required:	Basic knowledge about operations research. Programming skills (Python, C, C++, etc.).
Preference factors:	Advanced knowledge in electric power systems. Experience with software development for electrical grid operation. Fluency in English and Portuguese (spoken and written). Experience with the development of APIs.

Funding Entity: **Fundo Europeu de Desenvolvimento Regional (FEDER) and by the Programa Operacional Competitividade e Internacionalizao POCI-01-0247-FEDER-039892**

Type of contract: Certain Term

The hiring shall be governed by what is stipulated in the legislation in force regarding fixed individual 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. Ricardo Jorge Bessa; Member: Prof. Manuel Matos; Member: Prof. Jorge Correia Pereira;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2020-11-11 to 2020-11-25
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us