

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0100 (Plurianual_LA - 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 job in the Electrical Engineering

Project:	Financiamento Laboratório Associado
Scientific Advisor:	Clara Sofia Gouveia
Start Date:	2022-04-16
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Electrical Engineering

Project overview: - Specification of algorithms for predictive management of electrical grid flexibility - Development of predictive tools for maintenance management of smart grids - Test and validation in real environment of software solutions

Objectives: Defining functional requirements for predictive management of the power grid - Development of optimization algorithms for electrical networks - Optimum planning of maintenance actions - Test and validation in simulation and real environment

Academic Qualifications:	Master degree in electrical and computer engineering
Minimum profile required:	Experience in formulating optimization problems in power systems - Advanced knowledge of energy systems - Programming experience (Python, etc.)
Preference factors:	Previous experience in projects about distribution network planning and operation - Fluency in English (written and spoken) - Minimum of one article published in an international journal - Programming experience (C++, Python, etc.)

Funding Entity:	funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., project (reference LA/P/0063/2020)
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. Clara Sofia Gouveia; Member: Prof. Jorge Correia Pereira; Member: Prof. Ricardo Jorge Bessa;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-03-15 to 2022-03-30
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us