

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0149 (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 RESEARCHER job in the Power Systems-Renewables Integration

Project:	Financiamento Laboratório Associado
Scientific Advisor:	Bernardo Silva
Duration of the contract:	from 2023-06-01 to 2024-05-30, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems-Renewables Integration

Project overview: Development of renewables integration studies in power systems, with the aim of identifying advanced control functions to mitigate the impact on the system stability.

Objectives: Modelling and simulation of power systems for assessing the impact overcoming from the integration of Renewable Energy Sources (RES), followed by the implementation of advanced control strategies and grid-code compliance analysis to mitigate the steady-state and transient stability impacts.

Academic Qualifications:	Degree or Master degree in electrical and computer engineering or computer or similar.
Minimum profile required:	Solid knowledge in Electrical Power Systems analysis, ability to model renewables and electrical systems and simulation of steady-state and transient phenomena
Preference factors:	Experience in analysis of electric power systems, experience with simulation software - PSS/E, DigSilent or Matlab/Simulink. Fluency in English and Portuguese (written and spoken).

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:	fixed-term contract
The hiring shall be governed by what is stipulated in the legislation in force regarding fixed-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. Bernardo Silva; Member: Prof. Helena Vasconcelos; 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 2023-04-12 to 2023-04-26
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us