

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2021-0254 (GREENH2ATLANTIC - 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 Power Systems

Project:	A 100 MW Flexible Green Hydrogen Production Process Sourcing Hybrid Renewable Energy And Sppling Green H2 to Multiple End Users
Scientific Advisor:	João Peças Lopes
Duration of the contract:	from 2022-01-15 to 2023-01-14
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: Modeling the behavior of eletrolisers with the capability to respond to grid frequency changes under PSS/E environment and utilization of PSS/E software for the development of dynamic behavior studies for scenarios of the Iberian system between 2030 and 2040.

Objectives: Development of studies related with the exploitation of electrolisers when providing support to primary and secondary frequency control in the Iberian system following faults inducing the loss of large shares of renewable generation.

Academic Qualifications:	Master degree in electrical and computer engineering or computer science or similar.
Minimum profile required:	Advanced knowledge of MatLab. Advanced Python programming skills.
Preference factors:	Experience in electric power system stability and dynamic behavior studies.

Funding Entity:	funded by CE, project (reference 101036908)
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. João Peças Lopes; Member: Prof. Carlos Moreira; Member: Prof. Helena Vasconcelos;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2021-11-24 to 2021-12-10
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us