

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2024-0245 (NEXUS - 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, Mechanical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Energy transition in ports	
Project:	Innovation Pact - Digital and Green Transition
Scientific Advisor:	Tiago André Soares
Start Date:	2024-09-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Energy transition in ports
Project overview: - Studies and modelling of energy systems in ports; - Definition of energy models for different port assets and equipment; - Development of energy transition planning models for ports to support the energy transition of ports; - Implementing the models in Python or similar languages; - Writing technical documentation on the activities.
Objectives: - Development of a port energy simulator; - Modeling port decarbonisation trajectories, taking into account the specific context of each port; - Drawing up scientific reports on activities and writing scientific articles.

Academic Qualifications:	Bachelor or Master in electrical and computer engineering, mechanical or related areas
Minimum profile required:	- Knowledge of energy demand and supply modelling for different sectors; - Knowledge of programming languages; - Fluency in English (written and spoken);
Preference factors:	- Experience in developing algorithms for demand planning and energy generation applied to different sectors and systems; - Programming experience in Python or similar.

Funding Entity:	NEXUS funded by IAPMEI with reference 53 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.
Disability Incentive:	Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment. Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment. Said score may, in these cases, exceed 100 points. Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96, of October 23 - currently in effect. Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.

Selection Jury:	President of the Jury: Tiago André Soares; Member: Zenaida Mourão; Member: David Emanuel Rua;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2024-07-11 to 2024-08-11
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us

