

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0313 (CaVaLi - CAP) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING,PHYSICS Sub: Optics

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Laser Induced Breakdown Spectroscopy and optical systems automation.

Project:	Cadeia de valor do lítio
Scientific Advisor:	Pedro Jorge
Start Date:	2022-11-07
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Laser Induced Breakdown Spectroscopy and optical systems automation.

Project overview: The work is part of the CaVaLi project, seeking to adapt an experimental platform of LIBS spectroscopy to implement a system for elemental mapping and classification of lithium bearing minerals.

Objectives: The objective is to adapt and control a LIBS system for elemental mapping and integrate it with an hyperspectral mapping system.

Academic Qualifications:	MSc in Physics or Physical Engineering
Minimum profile required:	MSc average grade above 15
Preference factors:	Knowledge of experimental optics; Proficiency in programming with Python e experience in control and automation of optical systems;

Funding Entity:	funded by Fundo Europeu de Desenvolvimento Regional (FEDER) and by the Operational Programme for Competitiveness and Internationalisation, project (reference POCI-01-0247-FEDER-047728)
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. Pedro Jorge; Member: Prof. Nuno Azevedo Silva; Member: Prof. Ariel Guerreiro;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-10-07 to 2022-10-20
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us