

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2026-0164 (CTM-Geral - CTM) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto e Braga
Research field:	Main: COMPUTER SCIENCE,ENGINEERING Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Computer Science

Scientific Advisor:	Jaime Cardoso
Start Date:	2026-07-01
Location:	Porto e Braga

Job description:

Work Area: Computer Science

Project overview: Advanced User Support (including Levels 2 and 3) – The core role will involve providing specialised technical assistance, with a focus on code optimisation and the resolution of performance bottlenecks, as well as the adaptation and optimisation of applications for specific architectures, with the aim of achieving significant improvements in operational efficiency; Support for User Training – Responsibilities will include the development of comprehensive educational materials and the coordination of practical training sessions, with the main objective of empowering users in the use of machine learning and deep learning frameworks, promoting autonomy and deeper knowledge; Support for Communication and Dissemination – The central role will be to establish transparent communication channels between the support team and users. Assisting in the active dissemination of results, achievements, and available resources will be essential to promote the visibility of the project and encourage active community participation; Coordination and support of R&D projects and knowledge valorisation activities, preparation of applications for R&D projects, team management and supervision of junior researchers, scientific production aimed at international journals and conferences, engagement with scientific and professional communities, as well as coordination and participation in scientific and technological dissemination initiatives, particularly in the areas of Computer Vision and Machine Learning.

Objectives: Support user training, namely through the development of comprehensive educational manuals and the coordination of practical sessions, with the main objective of empowering users in the use of machine learning and deep learning frameworks;
Support the adoption of machine learning and deep learning models in HPC environments;
Optimisation of deep learning models in HPC environments;
Support for HPC projects submitted through EuroHPC.

Academic Qualifications:	Master in Electrical and Computing Engineering.
Minimum profile required:	<ul style="list-style-type: none">- Final degree classification equal to or higher than 18 out of 20;- Proven competence and experience in the development of machine learning and deep learning models in HPC environments;- Experience in the application of machine learning and deep learning techniques in the specific field of image analysis;- Practical experience with Linux systems, HPC environments, and SLURM job submission systems;- Proficiency in written and spoken Portuguese and English.
Preference factors:	<ul style="list-style-type: none">- Solid experience with distributed computing management systems and High Performance Computing environments;- Experience with the Python programming language and the use of deep learning frameworks such as PyTorch, TensorFlow, and NVIDIA FLARE;- Experience in writing technical and scientific documentation.

Funding Entity:

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:	<p>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.</p> <p>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.</p> <p>Said score may, in these cases, exceed 100 points.</p> <p>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.</p> <p>Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.</p>
Selection Jury:	<p>President of the Jury: Jaime Cardoso;</p> <p>Member: António Luís Sousa;</p> <p>Member: Ana Filipa Sequeira;</p> <p>Substitute member: Luís Filipe Teixeira;</p>
Notification of results:	<p>The results of the selection process will be sent to the interested by electronic mail.</p>
Application period:	<p>From 2026-05-21 to 2026-06-04</p>
Application submission:	<p>Electronic form filling in www.inesctec.pt in the section Work with Us</p>