CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2024-0415 (HfPT - CBER)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: COMPUTER SCIENCE
	Sub: Computer Systems

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Biomedical Engineering, Neuroengineering, Bioengineering

Project:	Health from Portugal
Scientific Advisor:	Miguel Velhote Correia
Start Date:	2024-11-01
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Biomedical Engineering, Neuroengineering, Bioengineering

Project overview: This contract aims to recruit a skilled Biomedical Engineer to join the C-BER team, to be integrated into ongoing PRR projects and consortia, and to develop new R&D lines. This role demands proficiency in biomedical data acquisition systems, algorithm development, and experience in collaborative research environments. Assisted by C-BER's know-how and expertise, the successful candidate will also be responsible for the dissemination of research through high-impact journals and international conferences.

Objectives: Develop and optimize biomedical data acquisition systems focusing on activities of daily living. Design algorithms for analysing biomechanics and physiological signals using wearables. Integrate into PRR projects and consortia, contributing to collaborative research. Drive new R&D initiatives within C-BER and procure new project funding opportunities. Disseminate findings in high-impact journals and international conferences.

Academic Qualifications:	MEng/MSc in Biomedical or Electrical & Computer Engineering, Computer Science or equivalent.
Minimum profile required:	MEng/MSc researcher with previous experience in signal processing using different approaches (e.g. Computer Vision, Machine Learning/Deep Learning, etc.)
Preference factors:	Proficiency in Matlab/Python. Preference for strong expertise in Physiological/Biomechanical data acquisition/processing, with knowledge of Machine Learning tools (e.g. scikit-learn, tensor-flow).

Funding Entity:	HfPT funded by IAPMEI with reference 41 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.

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Selection Jury:	President of the Jury: João Paulo Cunha; Member: Susana Cristina Rodrigues; Member: Miguel Velhote Correia;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2024-10-03 to 2024-10-16
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us

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