

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

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| Job reference: | AE2023-0200 (BE@T - CRIIS) 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 RESEARCHER job in the Automation and Robotics

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| Project: | Bioeconomia para Fileira Têxtil e Vestuário |
| Scientific Advisor: | Luís Freitas Rocha |
| Start Date: | 2023-07-01 |
| Location: | INESC TEC, Porto, Portugal |

Job description:

Work Area: Automation and Robotics

Project overview: - Study and development of an artificial vision system for the classification of textile fibers. - Study and development of an artificial vision system for detecting color, texture and the presence of accessories in/on garments. - Implementation and testing of selected methods in laboratory and industrial prototypes. - Implementation of robotic system/separation automation protocols.

Objectives: Implementation of an artificial vision system for classifying and separating garments by type of fiber, color and texture. Implementation of laboratory prototype for detection of accessories in garments.

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| Academic Qualifications: | Master's Degree in Electrical and Computer Engineering, Informatics Engineering and related areas |
| Minimum profile required: | Proven experience in developing computer vision algorithms for Automation and/or Robotics applications, namely using the OpenCV and TensorFlow software library. Experience in ROS framework (1 and 2). Experience in the following programming languages: C, C++ and Python |
| Preference factors: | Previous experience in applying AI algorithms to robotic systems. |

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| Funding Entity: | BE@T funded by SGA with reference 1 Co-financed by Component 12 - Promotion of Sustainable Bioeconomy, integrated in the Climate Transition 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. |

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| 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. Luís Freitas Rocha; Member: Prof. José Lima; Member: Prof. Marcelo Petry; |
| Notification of results: | The results of the selection process will be sent to the interested by electronic mail. |
| Application period: | From 2023-06-01 to 2023-06-15 |
| Application submission: | Electronic form filling in www.inesctec.pt in the section Work with Us |