

INESC TEC | Research Initiation Grant (AE2024-0155) INESC TEC

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Posted Apr. 19, 2024, set to expire Aug. 19, 2024

Job Title	INESC TEC Research Initiation Grant (AE2024-0155)
Department	CRIIS
Institution	INESC TEC PORTO, , Portugal
Date Posted	Apr. 19, 2024
Application Deadline	May 3, 2024
Position Start Date	Apr. 18, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Computer vision systems

Work description

- Preliminary studies on computer vision systems for external referencing of industrial robots;
- Study of artificial vision and AI solutions for detecting object characteristics and adjusting the robot trajectory;
- Implementation and testing of the developed algorithms in a laboratory environment;
- Write the scholarship activity report;

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Academic Qualifications

Master's student in Electrical and Computer Engineering and related areas.

Minimum profile required

- Knowledge in programming (C, C++, Python languages) and development of artificial vision and AI solutions applied to robotics.
- Experience in the ROS Framework.
- Knowledge of CAD design software (example: solidworks, Fusion360, among others).

Preference factors

Previous participation in extracurricular and extension activities/training related to automation/robotics and/or computer vision and AI

Maintenance stipend: € 601,12, according to the table of monthly maintenance stipend for FCT grants, paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the Regulations for Grants of INESC TEC and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

Application Period

Since 18 Apr 2024 to 03 May 2024

Centre

Robotics in Industry and Intelligent Systems

Scientific Advisor

Luís Freitas Rocha

For more information: [Click Here](#)

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact

Portugal

Contact E-mail rh@inesctec.pt