

INESC TEC | Research Initiation Grant (AE2024-0255) INESC TEC

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Posted Aug. 6, 2024, set to expire Dec. 6, 2024

Job Title	INESC TEC Research Initiation Grant (AE2024-0255)
Department	CRIIS
Institution	INESC TEC PORTO, , Portugal
Date Posted	Aug. 6, 2024
Application Deadline	Aug. 14, 2024
Position Start Date	Aug. 1, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Apply By Email	
Job Description	

Research Opportunity

Locomotion Robotics

Work description

1. Bibliographical review / survey of the state of the art in the area of mobile robotics solutions for intralogistics and industrial inspection, focusing on the use of robots with legs;
2. Specification of an architecture for a quadruped robot to inspect industrial facilities or internal

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logistics of small products;

3. Definition of a scenario for testing in iiLab;

4. Installation of the necessary sensors and actuators on the robot to carry out intralogistics and inspection tasks;

5. Development of an application to configure the task to be performed by the robot;

6. Carrying out functional tests on the developed system.

Academic Qualifications

Degree in Electrical Engineering, Computer Engineering, or similar areas.

Minimum profile required

Enrollment in a Master's degree in Electrical and Computer Engineering, Computer Engineering, or related areas.

Preference factors

- Programming knowledge in C/C++ and Python;
- ROS knowledge;
- Knowledge of locomotion robotics;

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.

INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under

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the terms established in the internal document: "Payment of Tuition fees to grant holders".

The grant holder will benefit from health insurance, supported by INESC TEC.

Application Period

Since 01 Aug 2024 to 14 Aug 2024

Centre

Robotics in Industry and Intelligent Systems

Scientific Advisor

[Manuel Santos Silva](#)

What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**
- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.

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- **Informal Events**
- Annual informal events, such as the multicultural party.

For more information: [Click Here](#)

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

Contact E-mail rh@inesctec.pt