

## INESC TEC | Research Grant (AE2024-0440) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=247624>

Downloaded On: Nov. 24, 2024 3:11pm

Posted Oct. 25, 2024, set to expire Feb. 24, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0440)
<b>Department</b>	CRIS
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Oct. 25, 2024
<b>Application Deadline</b>	Nov. 7, 2024
<b>Position Start Date</b>	Oct. 24, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Computer Science Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5123">https://www.inesctec.pt/en/form/notice/5123</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Industrial Robotics**

### Work description

- Study and investigate state-of-the-art proprioceptive and exteroceptive sensing strategies for implementing robotic gripping technologies, safety routines and trajectory correction for manipulating tissues and complex objects.
- Development of algorithms and data processing applied to real robots. Production of scientific

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articles and communication of results.

### Academic Qualifications

- Master in Electrical Engineering and related areas

### Minimum profile required

- Programming in C/C++ and Python; ROS framework;
- Experience with proprioceptive/exteroceptive sensors;
- Gazebo simulator;
- Optimization methods; signal processing.

### Preference factors

- Proven experience with processing data from proprioceptive/exteroceptive sensors (excluding computer vision)

**Maintenance stipend:** € 1259,64, 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 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.

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### Application Period

Since 24 Oct 2024 to 07 Nov 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.
- **Informal Events**
- Annual informal events, such as the multicultural party.

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**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