

INESC TEC | Research Grant (AE2024-0500)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=249470>

Downloaded On: Nov. 22, 2024 8:37pm

Posted Nov. 22, 2024, set to expire Mar. 24, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0500)
<b>Department</b>	CRIIS
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Nov. 22, 2024
<b>Application Deadline</b>	Dec. 4, 2024
<b>Position Start Date</b>	Nov. 21, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5170">https://www.inesctec.pt/en/form/notice/5170</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

### Manipulation of flexible objects through AI

#### Work description

- January to march.
- Collaboration in writing a scientific article reviewing the state of the art in the field of work April.
- Study of suitable simulators and applicable libraries May to July..
- Implementation of flexible object simulations, including simulated 3D perception August to November.

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- Implementation of advanced perception and manipulation using and comparing techniques with and without AI December.
- Code organization and documentation and technical report writing.

### Academic Qualifications

- Master's degree in Computer Engineering

### Minimum profile required

- Being a PhD student in IT or a related field.
- Experience with robotic perception and manipulation.
- Experience in Robotic Operating System (ROS).
- Point Cloud Library (PCL) experience.
- AI expertise

### Preference factors

- Scientific publications.
- Collaboration on projects in the area Teaching or having taught in the area of ??robotics in a Higher Education institution(s).

**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".

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

### Application Period

Since 21 Nov 2024 to 04 Dec 2024

### Centre

Robotics in Industry and Intelligent Systems

### Scientific Advisor

[Armando Sousa](#)

### 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**

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- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **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