

INESC TEC | Research Grant (AE2025-0247) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=258423>

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Posted Jun. 18, 2025, set to expire Oct. 18, 2025

Job Title	INESC TEC Research Grant (AE2025-0247)
Department	CRIIS
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jun. 18, 2025
Application Deadline	Jun. 27, 2025
Position Start Date	Jun. 12, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Robotics
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Apply By Email	
Job Description	

Research Opportunities

Research in Collaborative Robotic Solutions

Work description

- Conduct in-depth state-of-the-art research on collaborative robotics and exoskeletons applied to improving working conditions in demanding environments.
- Study and develop brushless motor controllers for robotic actuators in collaborative applications.
- Design and prototype new-generation exoskeletons with greater efficiency, comfort and

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adaptability.

- Conduct laboratory tests for functional and ergonomic validation.

Academic Qualifications

- Master's or PhD student in Electrical and Computer Engineering, Mechatronics, Robotics or related areas.

Minimum profile required

- Master's or PhD student in Electrical and Computer Engineering, Mechatronics, Robotics or related areas.
- Good knowledge of C/C++ 2 ROS2 programming.

Preference factors

- Previous experience in exoskeleton or wearable robotic system development projects.
- Knowledge and experience in programming RP2040 microcontrollers (Raspberry Pi Pico) in C.
- Experience in the development and integration of CAN (Controller Area Network) communication systems.
- Ability to work independently and a taste for applied research and rapid prototyping.

Maintenance stipend: € 1040.98 or 1309.64, 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 12 Jun 2025 to 27 Jun 2025

Centre

Robotics in Industry and Intelligent Systems

Scientific Advisor

[Filiipe Neves Santos](#)

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

INESC TEC - Instituto De Engenharia De Sistemas E
Computadores, Tecnologia E Ciência

Portugal

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