

INESC TEC | Research Initiation Grant (AE2024-0387) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=246075>

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Posted Sep. 30, 2024, set to expire Jan. 30, 2025

Job Title	INESC TEC Research Initiation Grant (AE2024-0387)
Department	CRIIS
Institution	INESC TEC PORTO, , Portugal
Date Posted	Sep. 30, 2024
Application Deadline	Oct. 4, 2024
Position Start Date	Sep. 23, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/form/notice/5072
Apply By Email	
Job Description	

Research Opportunities

Industrial Robotics

Work description

1. Bibliographic Review / Status of Art Survey in AR and IA Assisted Inspection Area.
2. Familiarization with the NVIDIA Ominiverse platform.

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3. Modeling robots and scenes in OpenUSD.
4. Simulation of collaborative robots in NVIDIA Isaac Sim.
5. Data Capture with AR Glasses and Shipping to the edge server.
6. Data processing and remote rendering on edge server.
7. Interface development for viewing information.

Academic Qualifications

Enrollement in an Electrical and Computer Engineering Degree course, Computer Engineering, or related areas.

Minimum profile required

- Enrollement in an Electrical and Computer Engineering Degree course, Computer Engineering, or related areas.
- Proven experience in Robots schedule.
- Experience in the following programming languages: C, Python and C++.
- It is important to familiarity with various sensors as well as the fundamental principles of robotics.

Preference factors

Experience with 3D modeling and knowledge of ROS2.

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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 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 23 Sep 2024 to 04 Oct 2024

Centre

Robotics in Industry and Intelligent Systems

Scientific Advisor

[Marcelo Petry](#)

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

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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.

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