INESC TEC | Research Initiation Grant (AE2025-0444)
INESC TEC

Job Title	INESC TEC	Research Initiation Grant (AE2025-0444)
Department	CTM
Institution	INESC TEC PORTO, , Portugal
Date Posted	Oct. 15, 2025
Application Deadline	Oct. 16, 2025
Position Start Date	Available immediately
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Electrical and/or Electronics
Apply Online Here	https://www.inesctec.pt/en/form/notice/5677
Apply By Email	
Job Description	

Research Opportunities

Telecommunications

Work description

- Study and analyze the state-of-the-art in emerging wireless networks, namely systems capable of operating simultaneously or in a complementary and fault-tolerant manner across multiple domains – underwater, surface, aerial, and space.
- Develop algorithms for the aggregation and management of multimodal wireless networks specialized for operation in maritime scenarios.

- Collaborate in the writing of technical reports regarding the protocols, mechanisms, and algorithms developed;

Academic Qualifications

- Student in Electrical Engineering, Informatics, or similar.

Minimum profile required

- Solid knowledge of the TCP/IP stack and Linux.
- Programming experience using C++ and Python.
- Proven research experience in the area of underwater networks, particularly in maritime scenarios.

Preference factors

- Solid knowledge of computer networks, namely the various protocol layers of the OSI model.
- Knowledge of IEEE 802.11 networks and underwater acoustic links.
- Knowledge of REST APIs and delay-tolerant networks.

Maintenance stipend: € 651.12, 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 02 Oct 2025 to 16 Oct 2025

Centre

Telecommunications and Multimedia

Scientific Advisor

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- Filipe Borges Teixeira

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.

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

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