

INESC TEC | Research Grant (AE2025-0062)
INESC TEC

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Posted Feb. 14, 2025, set to expire Jun. 14, 2025

Job Title	INESC TEC Research Grant (AE2025-0062)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Feb. 14, 2025
Application Deadline	Feb. 20, 2025
Position Start Date	Feb. 6, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Study and development of optical sensors for monitoring water quality.

Work description

This scholarship is part of the ATE project, which is integrated into the Recovery and Resilience Plan. It aims to develop and implement optical sensors in an industrial context for offshore applications. Various sensors will be used to monitor critical parameters for assessing water quality, focusing on measuring turbidity.

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This scholarship aims to research and develop an optical sensor for evaluating turbidity in marine environments.

Academic Qualifications

- Master's degree in Physics Engineering or equivalent.

Minimum profile required

- Operation of optoelectronic systems.
- Microcontroller programming and software development for analysis and control.

Preference factors

- Practice in experimental work with optical systems, namely using fiber optics.
- Experience in 3D design for the development of prototypes.
- Knowledge of basic chemistry.

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 06 Feb 2025 to 20 Feb 2025

Centre

Applied Photonics

Scientific Advisor

[Luís Carlos Coelho](#)

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**

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- 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