

INESC TEC | Research Grant (AE2024-0406)
INESC TEC

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Posted Sep. 26, 2024, set to expire Jan. 26, 2025

Job Title	INESC TEC Research Grant (AE2024-0406)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Sep. 26, 2024
Application Deadline	Oct. 10, 2024
Position Start Date	Sep. 26, 2024
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

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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. 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.

Application Period

Since 26 Sep 2024 to 10 Oct 2024

Centre

Applied Photonics

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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.
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- **Informal Events**
- Annual informal events, such as the multicultural party.

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Contact Information

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Contact

Portugal

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