

INESC TEC | Researcher (AE2025-0167)
INESC TEC

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Posted Apr. 11, 2025, set to expire Aug. 11, 2025

Job Title	INESC TEC Researcher (AE2025-0167)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Apr. 11, 2025
Application Deadline	Apr. 27, 2025
Position Start Date	Apr. 10, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Development of an instrumentation system for water quality monitoring

Work description

The high demand for energy production, especially in offshore environments, raises environmental concerns. Understanding the impact of these activities on human life and the ocean is essential. To ensure the viability of expanding and implementing different technologies, it is essential to improve existing technologies and management strategies.

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This position aims to develop and implement various optical technologies for monitoring industrial effects on the surrounding water.

Academic Qualifications

- Master's degree in physics engineering.

Minimum profile required

- Knowledge of optoelectronic systems. Experience in microcontroller programming and in developing software for analysis and control.
- Knowledge of the Bluetooth protocol for communication between devices.

Preference factors

- Proven experience in experimental work with optical systems.
- Experience in developing prototypes, including electronic systems.
- Advanced knowledge in 3D design and prototyping through 3D printing.

Application Period

Since 10 Apr 2025 to 27 Apr 2025

Centre

Applied Photonics

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Scientific Advisor

[Luís Carlos Coelho](#)

What we offer

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- 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**
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- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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Portugal

Contact E-mail rh@inesctec.pt