

INESC TEC | Research Grant (AE2024-0274)
INESC TEC

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Posted Aug. 22, 2024, set to expire Dec. 22, 2024

Job Title	INESC TEC Research Grant (AE2024-0274)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Aug. 22, 2024
Application Deadline	Aug. 31, 2024
Position Start Date	Jul. 25, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Development of an optical sensor for monitoring dissolved CO2 in marine environments.

Work description

Monitoring CO2 in water is increasingly relevant due to its environmental impact, particularly oceanic CO2.

This fellowship, part of a project aimed at developing and implementing optical sensors in an industrial context on floating concrete structures in the ocean, seeks to develop and implement optical

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technology for assessing the quality of the surrounding water, emphasizing monitoring dissolved CO₂.

Academic Qualifications

Bachelor's degree in Physics Engineering

Minimum profile required

- Knowledge of the operation of optoelectronic systems.
- Microcontroller programming and software development for analysis and control.
- Basic chemistry knowledge.

Preference factors

- Bachelor's degree in Physical Engineering;
- Proven experience in experimental work with optical systems and chemical products, especially in membrane production;
- Experience in prototype development;

Maintenance stipend: € 990,98, 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.

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Application Period

Since 25 Jul 2024 to 31 Aug 2024

Centre

Applied Photonics

Scientific Advisor

[João Pedro Mendes](#)

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**
- 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

Portugal

Contact E-mail rh@inesctec.pt