

INESC TEC | Research Grant (AE2024-0309)
INESC TEC

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Posted Aug. 7, 2024, set to expire Dec. 7, 2024

Job Title	INESC TEC Research Grant (AE2024-0309)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Aug. 7, 2024
Application Deadline	Aug. 16, 2024
Position Start Date	Jul. 25, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Plasma Spectroscopy, automation

Work description

PhD scholarship within the scope of the PRR Alliance for Energy Transition (ATE) project, for the development of nanostructures designed to generate and control surface electromagnetic waves (ESW) with the aim of monitoring water quality in different aquatic environments.

Plasmonics-based structures, hyperbolic metamaterials, and emerging ESW-based metasurfaces will

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be used for saltwater analysis.

Academic Qualifications

Master Degree in Physics Engineering

Minimum profile required

Enrolled in the Doctoral Program in Physics Engineering at the University of Porto (PRODEF)

Preference factors

- Extensive knowledge in simulation and manufacturing of nanostructures applied to optical sensors.
- Proven experience in thin film deposition by RF sputtering and electron beam.

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". The grant holder will benefit from health insurance, supported by INESC TEC.

Application Period

Since 25 Jul 2024 to 16 Aug 2024

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Centre

Applied Photonics

Scientific Advisor

[José Almeida](#)

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- **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.

For more information: [Click Here](#)

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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