

INESC TEC | Research Initiation Grant (AE2025-0160) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=255614>

Downloaded On: Aug. 5, 2025 8:55am

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

Job Title	INESC TEC Research Initiation Grant (AE2025-0160)
Department	CTM
Institution	INESC TEC PORTO, , Portugal
Date Posted	Apr. 11, 2025
Application Deadline	Apr. 24, 2025
Position Start Date	Apr. 10, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Electrical engineering

Work description

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The work aims to apply coherent optical systems in submarine communication cables, leveraging phase and polarization information from transmitted signals for distributed sensing purposes. The goal is to use these techniques for the detection and monitoring of geophysical phenomena, taking advantage of the existing optical cable infrastructure as a large-scale sensor network.

Academic Qualifications

- Degree in Electrical Engineering or Physical Engineering and attending a master's degree in the same area.

Minimum profile required

- Knowledge in electromagnetic waves and communications.

Preference factors

- Experience in RF electronics and optical communications

Maintenance stipend: € 651.12, 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 10 Apr 2025 to 24 Apr 2025

Centre

Telecommunications and Multimedia

Scientific Advisor

[Henrique Salgado](#)

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