

INESC TEC | Research Grant (AE2025-0008)
INESC TEC

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Posted Jan. 17, 2025, set to expire May 19, 2025

Job Title	INESC TEC Research Grant (AE2025-0008)
Department	CTM
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jan. 17, 2025
Application Deadline	Jan. 29, 2025
Position Start Date	Jan. 16, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Engineering

Work description

- PCB design, including unit cell test boards for waveguide environment and RIS PCB tiles.
- Optimisation and test of RIS control algorithms on microcontrollers.
- Testing of the developed PCBs, including the experimental validation of electronic circuits, and S-parameter characterization using a VNA. 5. Experimental characterization of different RIS configurations in an anechoic chamber.

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- Writing the scholarship activity report.

Academic Qualifications

- Degree in Electrical and Computer Engineering or similar area.

Minimum profile required

- Experience with electronic circuit simulation tools.
- Experience in performing experimental measurements of electronic systems and antennas in an anechoic chamber.

Preference factors

- Experience in developing algorithms for controlling the phase profile of RIS for beam-steering.

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 16 Jan 2025 to 29 Jan 2025

Centre

Telecommunications and Multimedia

Scientific Advisor

[Nuno Miguel Paulino](#)

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.
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- 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