

INESC TEC | Research Grant (AE2025-0154)
INESC TEC

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

Job Title	INESC TEC Research Grant (AE2025-0154)
Department	CTM
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

Engineering

Work description

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

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5. 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: € 1040.98, 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 10 Apr 2025 to 27 Apr 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.
- **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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- **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