

INESC TEC | Research Grant (AE2024-0561)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=250602>

Downloaded On: Dec. 25, 2024 2:14am

Posted Dec. 18, 2024, set to expire Apr. 19, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0561)
<b>Department</b>	CESE
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Dec. 18, 2024
<b>Application Deadline</b>	Jan. 3, 2025
<b>Position Start Date</b>	Dec. 19, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other Electrical and/or Electronics
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/opportunities/electrical-engineering-AE2024-0561">https://www.inesctec.pt/en/opportunities/electrical-engineering-AE2024-0561</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Electrical engineering**

**Work description**

1. Design of unit cells suitable for the multi-bit phase control, in the frequency range of 28 GHz, and subsequent validation in 3D electromagnetic simulation.

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2. Development of unit cell prototypes, fabrication and experimental validation.
3. Scaling of the design to array configuration.
4. Prepare the submission of a scientific paper. 5. Write the grant activities report.

### Minimum profile required

- First author of 1 scientific paper in the area of antenna design.
- Experience with the conduction of experimental antenna measurements.

### Preference factors

- Experience with 3D electromagnetic simulation tools.
- Experience in the design of antenna arrays.

**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.

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### Application Period

Since 19 Dec 2024 to 03 Jan 2025

### Centre

Telecommunications and Multimedia

### Scientific Advisor

[Luís Manuel Pessoa](#)

### 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**

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