

## INESC TEC | Research Initiation Grant (AE2024-0388) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=245424>

Downloaded On: Sep. 26, 2024 11:44pm

Posted Sep. 19, 2024, set to expire Jan. 19, 2025

<b>Job Title</b>	INESC TEC   Research Initiation Grant (AE2024-0388)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Sep. 19, 2024
<b>Application Deadline</b>	Oct. 3, 2024
<b>Position Start Date</b>	Sep. 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/form/notice/5073">https://www.inesctec.pt/en/form/notice/5073</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Electrical Engineering**

### Work description

- Deepen knowledge of inverters for storage systems, lithium batteries, and remote communication, through a review of specialized technical literature.
- Study the specific technical documentation related to the configuration and parameterization of

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the equipment.

- Perform the assembly and testing of inverters, batteries, and the communication system; Determine and implement remote communication with the inverter and establish the capacity for remote control of the system's charge and discharge power.
- Gather relevant information and write the final report.

### Academic Qualifications

Student in the field of Electrical Engineering.

### Minimum profile required

- Experience in electronics.
- Knowledge of programming (Python and C++).

### Preference factors

- Knowledge of inverters for residential storage systems;
- Knowledge of communication protocols and communication networks;
- Fluency in English (spoken and written).

**Maintenance stipend:** € 601,12, 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 19 Sep 2024 to 03 Oct 2024

### Centre

Power and Energy Systems

### Scientific Advisor

[Tatiana Guedes](#)

### 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