

## INESC TEC | Research Grant (AE2024-0527) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=250423>

Downloaded On: Dec. 21, 2024 11:50am

Posted Dec. 13, 2024, set to expire Apr. 14, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0527)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Dec. 13, 2024
<b>Application Deadline</b>	Dec. 31, 2024
<b>Position Start Date</b>	Dec. 12, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Energy Technology Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5203">https://www.inesctec.pt/en/form/notice/5203</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Energy Systems**

### Work description

- Characterize the state of the art in the field of electric vehicles charging optimization and load/renewable generation forecasting taking into account different use cases.
- Contribute to the specification, design, development and implementation of tools in the energy area, involving electric vehicles charging, forecasting of load and renewable production and

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distribution networks operation.

- Specify the exchange of information between systems and develop APIs to enable interaction between new tools and existing platforms.
- Participate in the elaboration of use cases and services related to the optimization of electric vehicles charging.
- Attend a curricular unit of transversal competences.
- Write the grant activity report.

### Academic Qualifications

Electrical and computer engineering or similar

### Minimum profile required

- Knowledge in programming.
- Fluency in English and Portuguese (written and spoken).

### Preference factors

- Knowledge of fundamental concepts of electric vehicles charging.
- Knowledge of optimization and forecasting models.
- Knowledge of Python (or similar).

**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.

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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.

### Application Period

Since 12 Dec 2024 to 31 Dec 2024

### Centre

Power and Energy Systems

### Scientific Advisor

[Filipe Joel Soares](#)

### 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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- 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.

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