

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

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

Job Title	INESC TEC Research Grant (AE2024-0527)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Dec. 13, 2024
Application Deadline	Dec. 31, 2024
Position Start Date	Dec. 12, 2024
Job Categories	Graduate Student
Academic Field(s)	Energy Technology Engineering - Other
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Job Description	

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