

INESC TEC | Research Grant (AE2025-0217) INESC TEC

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Posted May 23, 2025, set to expire Sep. 21, 2025

Job Title	INESC TEC Research Grant (AE2025-0217)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	May 23, 2025
Application Deadline	Jun. 5, 2025
Position Start Date	May 22, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Energy Technology
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Job Description	

Research Opportunities

Energy systems – energy efficiency in buildings

Work description

- Data analysis of variables affecting the energy performance of buildings.
- Development and validation of an energy model for simulating the energy performance of a non-residential building.
- Integration of optimization algorithms with the developed building energy simulation model.

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- Writing of scientific articles and the fellowship activity report.

Minimum profile required

- Programming skills (Python, etc.).
- Autonomous and teamwork ability.
- Fluency in Portuguese and English (written and spoken).

Preference factors

- Proficiency in using building energy modelling and dynamic simulation software (e.g., EnergyPlus).
- Competence in optimization algorithm development and data analysis techniques.
- Experience in API development.

Maintenance stipend: € 1040.98 or 1309.64, 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, enrollment 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 22 May 2025 to 05 Jun 2025

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Centre

Power and Energy Systems

Scientific Advisor

[Hermano Bernardo](#)

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.

For more information: [Click Here](#)

Contact Information

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Contact

Portugal

Contact E-mail rh@inesctec.pt