

INESC TEC | Post Doctoral Research Grant (AE2024-0570)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=250596>

Downloaded On: Apr. 18, 2025 9:13am

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

|                             |   |
|-----------------------------|---|
| <b>Job Title</b>            | INESC TEC   Post Doctoral Research Grant (AE2024-0570)  |
| <b>Department</b>           | CPES  |
| <b>Institution</b>          | INESC TEC<br>PORTO, , Portugal  |
| <b>Date Posted</b>          | Dec. 18, 2024   |
| <b>Application Deadline</b> | Dec. 19, 2024   |
| <b>Position Start Date</b>  | Jan. 18, 2025   |
| <b>Job Categories</b>       | Graduate Student  |
| <b>Academic Field(s)</b>    | Engineering - Other<br>Computer Science   |
| <b>Apply Online Here</b>    | <a href="https://www.inesctec.pt/en/opportunities/artificial-intelligence-AE2024-0570#intro">https://www.inesctec.pt/en/opportunities/artificial-intelligence-AE2024-0570#intro</a> |
| <b>Apply By Email</b>       |   |
| <b>Job Description</b>      |   |

Research Opportunities

**Artificial Intelligence**

**Work description**

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- 1) Development of workflows and methods enabling AI testing to support the safe operation of local energy communities and microgrids.
- 2) Develop methodologies for assessing the robustness and safety of AI-based decision and control systems, considering risk assessment aligned with the EU AI Act.
- 3) Validate the developed methodologies on real data and with real consumers/prosumers.
- 4) Dissemination of the work in international journals and/or conferences.

### Minimum profile required

- Previous academic background in or electrical engineering or applied mathematics or computer science or informatics or similar

### Preference factors

- Past experience (or academic background) with machine learning.
- Academic background in energy systems.
- Programming knowledge in Python.

**Maintenance stipend:** € 1801,00, 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 Dec 2024 to 18 Jan 2025

### Centre

Power and Energy Systems

### Scientific Advisor

[Ricardo Jorge Bessa](#)

### 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