

INESC TEC | Research Grant (AE2024-0398)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=245837>

Downloaded On: Nov. 24, 2024 8:04pm

Posted Sep. 26, 2024, set to expire Jan. 26, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0398)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Sep. 26, 2024
<b>Application Deadline</b>	Oct. 25, 2024
<b>Position Start Date</b>	Sep. 26, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5089">https://www.inesctec.pt/en/form/notice/5089</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Artificial Intelligence**

**Work description**

1) Development of workflows and methods enabling AI testing to support the safe operation of local energy communities and microgrids.

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- 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.

### **Application Period**

Since 26 Sep 2024 to 25 Oct 2024

### **Centre**

Power and Energy Systems

### **Scientific Advisor**

[Ricardo Jorge Bessa](#)

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### 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

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

#### Contact

Portugal

**Contact E-mail**    rh@inesctec.pt