

INESC TEC | Research Grant (AE2024-0452)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=248160>

Downloaded On: Nov. 13, 2024 7:25am

Posted Nov. 4, 2024, set to expire Mar. 6, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0452)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Nov. 4, 2024
<b>Application Deadline</b>	Nov. 15, 2024
<b>Position Start Date</b>	Oct. 31, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Computer Science Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5134">https://www.inesctec.pt/en/form/notice/5134</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**COMPUTER SCIENCE - Artificial Intelligence**

**Work description**

- 1) Hybridization of physics-based modelling and AI to create decision-support models for human operators under forecast uncertainty.
- 2) Distributed learning algorithms and coordination strategies to achieve a global goal where, for

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instance, aspects such as energy consumption (green AI) is covered by testing their implementation in edge devices.

3) Validate the developed methodologies on real data and different use cases focused on energy transition.

4) Dissemination of the work in international journals and/or conferences

### Minimum profile required

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

### Preference factors

- Past experience (or academic background) with supervised and reinforcement learning.
- Academic background in operations research.
- Programming knowledge in Python.

**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.

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.

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### Application Period

Since 31 Oct 2024 to 15 Nov 2024

### 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**
- Annual informal events, such as the multicultural party.

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**Contact Information**

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

**Contact**

Portugal

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