

INESC TEC | Post Doctoral Research Grant (AE2025-0143)
INESC TEC

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Posted Mar. 21, 2025, set to expire Jul. 21, 2025

Job Title	INESC TEC Post Doctoral Research Grant (AE2025-0143)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 21, 2025
Application Deadline	Apr. 20, 2025
Position Start Date	Mar. 20, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Computer Science
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Apply By Email	
Job Description	

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.

Maintenance stipend: € 1851,00, 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".

The grant holder will benefit from health insurance, supported by INESC TEC.

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Application Period

Since 20 Mar 2025 to 20 Apr 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**
- 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

Contact E-mail rh@inesctec.pt