

INESC TEC | Post Doctoral Research Grant (AE2024-0400)
INESC TEC

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

Job Title	INESC TEC Post Doctoral Research Grant (AE2024-0400)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Sep. 26, 2024
Application Deadline	Oct. 25, 2024
Position Start Date	Sep. 26, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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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.
- 2) Develop methodologies for assessing the robustness and safety of AI-based decision and control

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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