

INESC TEC | RESEARCHER (AE2024-0528) INESC TEC

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Posted Dec. 13, 2024, set to expire Apr. 14, 2025

Job Title	INESC TEC RESEARCHER (AE2024-0528)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Dec. 13, 2024
Application Deadline	Jan. 12, 2025
Position Start Date	Dec. 12, 2024
Job Categories	Graduate Student
Academic Field(s)	Energy Technology Engineering - Other
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Job Description	

Research Opportunities

Power Systems

Work description

The researcher's work is framed within the activities of applying artificial intelligence (AI) to support the energy transition in critical infrastructures (e.g., the power grid). The activities will focus on the control and prediction of the operation of power grids and energy communities, considering aspects such as interpretability, robustness, and resilience of AI-based systems. Another objective is to develop new

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approaches for cooperation between humans and AI, exploring paradigms such as supervised and reinforcement learning.

Academic Qualifications

- Master in electrical and computer engineering; informatics; computer science; applied mathematics; other related

Minimum profile required

- Basic knowledge of machine learning.
- Advanced knowledge of a programming language applied to data science (e.g., Python, R).

Preference factors

- Advanced knowledge of electrical power systems.
- Experience in developing algorithms based on reinforcement learning.
- Fluency in English (spoken and written).

Application Period

Since 12 Dec 2024 to 12 Jan 2025

Centre

Power and Energy Systems

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Scientific Advisor

[Ricardo Jorge Bessa](#)

What we offer

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- 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**
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- 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

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Portugal

Contact E-mail rh@inesctec.pt