

INESC TEC | RESEARCHER (AE2024-0420)
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Posted Oct. 11, 2024, set to expire Feb. 10, 2025

Job Title	INESC TEC RESEARCHER (AE2024-0420)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Oct. 11, 2024
Application Deadline	Nov. 10, 2024
Position Start Date	Oct. 10, 2024
Job Categories	Graduate Student
Academic Field(s)	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

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systems. Another objective is to develop new 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 10 Oct 2024 to 10 Nov 2024

Centre

Power and Energy Systems

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Scientific Advisor

[Ricardo Jorge Bessa](#)

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- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
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- The possibility of working in international projects with some of the most important companies in the field.
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- **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