

INESC TEC | RESEARCHER (AE2024-0258) INESC TEC

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Posted Jul. 11, 2024, set to expire Nov. 10, 2024

Job Title	INESC TEC RESEARCHER (AE2024-0258)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jul. 11, 2024
Application Deadline	Aug. 11, 2024
Position Start Date	Jul. 11, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

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 11 Jul 2024 to 11 Aug 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**

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- 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