

## INESC TEC | RESEARCHER (AE2024-0258) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=239312>

Downloaded On: Jul. 16, 2024 9:49am

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

<b>Job Title</b>	INESC TEC   RESEARCHER (AE2024-0258)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Jul. 11, 2024
<b>Application Deadline</b>	Aug. 11, 2024
<b>Position Start Date</b>	Jul. 11, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/opportunities/power-systems-AE2024-0258#intro">https://www.inesctec.pt/en/opportunities/power-systems-AE2024-0258#intro</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

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