

INESC TEC | Post Doctoral Research Grant (AE2025-0214)
INESC TEC

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Posted May 28, 2025, set to expire Sep. 27, 2025

Job Title	INESC TEC Post Doctoral Research Grant (AE2025-0214)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	May 28, 2025
Application Deadline	Jun. 22, 2025
Position Start Date	May 22, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Power Systems

Work description

- 1) Development of methodologies to explain the results of power grid optimization problems, combining operations research and artificial intelligence.
- 2) Develop methodologies that combine physical models with data-driven machine learning methods.

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3) Validate the developed methodologies using real data.

4) Disseminate 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.

Maintenance stipend: € 1851.00, according to the table of monthly maintenance stipend for FCT grants, paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the Regulations for Grants of INESC TEC and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under the terms established in the internal document: "Payment of Tuition fees to grant holders".

The grant holder will benefit from health insurance, supported by INESC TEC.

Application Period

Since 22 May 2025 to 22 Jun 2025

Centre

Power and Energy Systems

Scientific Advisor

[Ricardo Jorge Bessa](#)

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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