

INESC TEC | Researcher (AE2025-0145)
INESC TEC

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Posted Mar. 21, 2025, set to expire Jul. 21, 2025

Job Title	INESC TEC Researcher (AE2025-0145)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 21, 2025
Application Deadline	Apr. 2, 2025
Position Start Date	Mar. 20, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Electrical and/or Electronics Computer Engineering
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Job Description	

Research Opportunities

Development of algorithms for simulating electricity grids and electricity markets with high integration of renewable energy

Work description

- Development of algorithms for steady-state and dynamic simulation of power systems.
- Development of algorithms for simulating electricity markets.

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Academic Qualifications

- Electrical and computer engineering.

Minimum profile required

- Advanced knowledge about electric power systems.
- Advanced knowledge about electricity markets.
- Advanced Python programming skills.

Preference factors

- Experience in the use of dynamic simulation tools for power systems, e.g. MATLAB simulink, PSSE.
- Fluency in English and Portuguese (spoken and written).

Application Period

Since 20 Mar 2025 to 02 Apr 2025

Centre

Power and Energy Systems

Scientific Advisor

[Ricardo Jorge Bessa](#)

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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**
- 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