

INESC TEC | RESEARCHER (AE2024-0442) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=247625>

Downloaded On: Nov. 24, 2024 4:00am

Posted Oct. 25, 2024, set to expire Feb. 24, 2025

Job Title	INESC TEC RESEARCHER (AE2024-0442)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Oct. 25, 2024
Application Deadline	Nov. 8, 2024
Position Start Date	Oct. 24, 2024
Job Categories	Graduate Student
Academic Field(s)	Computer Science Engineering - Other
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Job Description	

Research Opportunities

Power Systems

Work description

- Develop dynamic simulation models for electrochemical energy storage systems, taking into account different energy storage technologies such as lithium-ion batteries and flow batteries.
- Develop microgrid models for operation in isolated mode.
- Support the development of the microgrid test system, based on real-time simulation at INESC

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TEC's Smart Grids and Electric Vehicles laboratory.

Academic Qualifications

- Master in electrical and computer engineering; power systems and other related areas

Minimum profile required

- Knowledge of power system- Modelling and simulation software (Matlab Simulink, etc.)

Preference factors

- Experience on microgrid operation in islanded mode.
- Programming experience (Python, C, etc.)

Application Period

Since 24 Oct 2024 to 08 Nov 2024

Centre

Power and Energy Systems

Scientific Advisor

[Clara Sofia Gouveia](#)

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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