

INESC TEC | Researcher (AE2024-0115)
INESC TEC

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Posted Mar. 18, 2024, set to expire Jul. 14, 2024

Job Title	INESC TEC Researcher (AE2024-0115)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 18, 2024
Application Deadline	Apr. 14, 2024
Position Start Date	Mar. 14, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Electrical and/or Electronics
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Apply By Email	
Job Description	

Research Opportunity

Power Electronics

Work description

- Develop real-time control and protection algorithms for the microgrid, considering the dispatch of different energy storage technologies and enabling islanded operation;
- Implement microgrid simulation models, including different energy storage technologies;

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- Testing and validation using INESC TEC Smart Grid 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 dynamics;
- Modelling and simulation software (Matlab Simulink, etc.);
- Programming experience (Python, C, etc.);

Preference factors

- Experience on microgrid operation and protection strategies;
- Experience with real-time digital simulation;

Application Period

Since 14 Mar 2024 to 14 Apr 2024

Centre

Power and Energy Systems

Scientific Advisor

[Clara Sofia Gouveia](#)

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

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