

INESC TEC | Post Doctoral Research Grant (AE2024-0109)
INESC TEC

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

Job Title	INESC TEC Post Doctoral Research Grant (AE2024-0109)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 14, 2024
Application Deadline	Apr. 12, 2024
Position Start Date	Mar. 14, 2024
Job Categories	Graduate Student
Academic Field(s)	Electrical and/or Electronics Engineering - Other
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Job Description

Research Opportunity

Electrotechnical Engineering

Work description

- Detailed study of future energy management and operation of the electrical network in the port;

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- Design and development of an efficient energy management module for the port;
- Programming and support in the integration of energy management and grid operation modules on the NEXUS platform, through the development of APIs;
- Writing a scientific report on activities, as well as scientific papers.

Academic Qualifications

PhD degree in Electric Power systems, computer science or applied mathematics

Minimum profile required

- Advanced knowledge in the development of algorithms for automatic control and optimization of energy systems;
- Knowledge in the Python programming language;
- Fluency in English (written and spoken).

Preference factors

- Experience in developing algorithms for optimization and control of energy management systems;
- Experience in the Python programming language.
- Knowledge in API development;
- Knowledge of backend and frontend programming.

Application Period

Since 14 Mar 2024 to 12 Apr 2024

Centre

Power and Energy Systems

Scientific Advisor

[Tiago André Soares](#)

For more information: <https://www.inesctec.pt/en/opportunities/electrotechnical-engineering-AE2024-0109>

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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