

INESC TEC | Research Grant (AE2024-0537) INESC TEC

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Posted Dec. 13, 2024, set to expire Apr. 14, 2025

Job Title	INESC TEC Research Grant (AE2024-0537)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Dec. 13, 2024
Application Deadline	Jan. 12, 2025
Position Start Date	Dec. 12, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Energy Technology
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Job Description	

Research Opportunities

Power Systems - Advanced Applications for Smart Grids

Work description

To develop advanced applications for the automation of transmission and distribution networks with high integration of distributed energy resources, namely the application FLIR (Fault Location, Isolation and Restoration) for an ADMS (advanced distribution management system).

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The work will also involve supporting the integration and testing of the developed application in a commercial ADMS. It is also expected that reports and articles will be written to disseminate the work.

Minimum profile required

- Degree in Electrical Engineering, Informatics, Computer Science or similar.
- Knowledge in power systems steady state modelling.
- Knowledge in programming (C, C++ or Python).

Preference factors

- Knowledge in ADMS applications.
- Fluency in English and Portuguese (spoken and written).

Maintenance stipend: € 990,98 or 1259,64, 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

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Since 12 Dec 2024 to 12 Jan 2025

Centre

Power and Energy Systems

Scientific Advisor

[Jorge Correia Pereira](#)

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](#)

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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