INESC TEC | Research Grant (AE2025-0261)
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Job Title	INESC TEC | Research Grant (AE2025-0261)
Department	CPES
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Jul. 11, 2025
Application Deadline	Jul. 24, 2025
Position Start Date	Jul. 11, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
	Computer Science
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Apply By Email	
Job Description	

Research Opportunities

Computer Science

Work description

- Development of model/process chains that enable AI-based assistants to support human operators' decisions in power systems under model risk and uncertainty, and considering joint human-AI learning.
- Develop methodologies to assess the robustness and safety of human decisions assisted by AI,

hybrid co-learning between AI and humans, and fully autonomous AI, considering risk assessment aligned with the EU AI Act, as well as reliability and robustness quantified through the provision of guidelines on how to create and use "adversarial" datasets.

- Validate the developed methodologies using real data and simulators.
- Dissemination of the work in national and/or international journals and conferences.

Academic Qualifications

- Degree in Computer Science, Informatics of similar area

Minimum profile required

- Past experience (or academic training) in Artificial Intelligence, algorithms with a focus on traditional machinelearning (shallow learning) and deep learning methodologies.
- Knowledge of Data Science, including thedevelopment of data analysis and visualisation pipelines.

Preference factors

- Knowledge of Python programming.
- Development of IT tools for use in real environments.
- Knowledge of simulation methodologies.

Maintenance stipend: € 1309.64, 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.

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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

Since 11 Jul 2025 to 24 Jul 2025

Centre

Power and Energy Systems

Scientific Advisor

Ricardo Jorge Bessa

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**

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- 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

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