

INESC TEC | Research Grant (AE2024-0445) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=247630>

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

Job Title	INESC TEC Research Grant (AE2024-0445)
Department	LIAAD
Institution	INESC TEC PORTO, , Portugal
Date Posted	Oct. 25, 2024
Application Deadline	Nov. 8, 2024
Position Start Date	Oct. 25, 2024
Job Categories	Graduate Student
Academic Field(s)	Computer Science Engineering - Other
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Job Description	

Research Opportunities

Computer Science

Work description

- Development of model/process chains that allow AI-based assistants to support human operators' decisions under risk and model uncertainty, and considering human-AI joint learning.
- Develop methodologies to assess the robustness and safety of AI-assisted human decisions, hybrid AI-human co-learning, and fully autonomous AI, considering risk assessment in line with

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the 4) EU AI Act, as well as quantified reliability and robustness by providing guidance on how to create and use 'adversarial' datasets.

- Validate the methodologies developed on real data and open-source simulators for power grid use cases.
- Disseminate the work in national and international journals and/or 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 machine learning (shallow learning) and deep learning methodologies.
- Knowledge of Data Science, including the development 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: € 990,98, 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 25 Oct 2024 to 08 Nov 2024

Centre

Artificial Intelligence and Decision Support

Scientific Advisor

[Pedro Gabriel Ferreira](#)

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

Portugal

Contact E-mail rh@inesctec.pt