

INESC TEC | Research Grant (AE2024-0467)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=248485>

Downloaded On: Nov. 13, 2024 6:27am

Posted Nov. 8, 2024, set to expire Mar. 10, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0467)
<b>Department</b>	LIAAD
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Nov. 8, 2024
<b>Application Deadline</b>	Nov. 20, 2024
<b>Position Start Date</b>	Nov. 7, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5145">https://www.inesctec.pt/en/form/notice/5145</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

## Computer Science

### Work description

Algorithms for Federated Anomaly Detection over Data Streams:

1. Stream-based algorithms definition and implementation in the federated framework;
2. Distributed learning with computational and energy constraints;
3. Compliance with privacy regulations and best practices.

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Implementation of evaluation techniques for data streams and federated learning:

1. Statistical metrics;
2. System metrics.

Writing articles for journals or conferences.

### **Academic Qualifications**

Master in Informatics or similar area

### **Minimum profile required**

- Strong knowledge in federated learning.
- Knowledge in data streams, online learning e anomaly detection.
- Experience with Python, River, and Flower framework.

### **Preference factors**

- Proven experience in federated learning, demonstrated by publications in conferences and journals.

**Maintenance stipend:** € 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.

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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 07 Nov 2024 to 20 Nov 2024

### Centre

Artificial Intelligence and Decision Support

### Scientific Advisor

[João Gama](#)

### 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