

## INESC TEC | Research Grant (AE2025-0423) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=262702>

Downloaded On: Sep. 18, 2025 5:40pm

Posted Sep. 18, 2025, set to expire Jan. 18, 2026

<b>Job Title</b>	INESC TEC   Research Grant (AE2025-0423)
<b>Department</b>	CRACS
<b>Institution</b>	INESC TEC PORTO, , Portugal

<b>Date Posted</b>	Sep. 18, 2025
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<b>Application Deadline</b>	Oct. 1, 2025
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<b>Position Start Date</b>	Sep. 18, 2025
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<b>Job Categories</b>	Graduate Student Graduate Student
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<b>Academic Field(s)</b>	Computer Science Computer Science Engineering - Other Engineering - Other
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**Job Description**

Research Opportunities

**Computer Science**

**Work description**

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The work plan comprises the following topics: study of concurrency management techniques based on lock-free locks; design and implementation of a lock-free lock-based alternative to manage concurrency in collision-resolution mechanisms of hash tables using linked lists and dynamic arrays; development of test cases to validate the implemented techniques.

### Academic Qualifications

- Bachelor's degree in Computer Science, Computer Engineering, or related fields.

### Minimum profile required

- Basic knowledge of C.
- Experience in the design and implementation of concurrent data structures.

### Preference factors

- Have scientific publications within the scientific area of the grant application.

**Maintenance stipend:** € 1040.98, 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.

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".

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The grant holder will benefit from health insurance, supported by INESC TEC.

### Application Period

Since 18 Sep 2025 to 01 Oct 2025

### Centre

Advanced Computing Systems

### Scientific Advisor

[Miguel Gonçalves Areias](#)

### 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.

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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