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

Job Title INESC TEC | Research Grant (AE2025-0423)

Department CRACS

Institution INESC TEC

PORTO, , Portugal

Date Posted Sep. 18, 2025

Application Deadline Oct. 1, 2025 **Position Start Date** Sep. 18, 2025

Job Categories Graduate Student

Graduate Student

Academic Field(s) 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