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Downloaded On: Nov. 19, 2025 7:22am
Posted Aug. 19, 2025, set to expire Dec. 14, 2025

Job Title INESC TEC | Researcher (AE2025-0358)

Department HASLAB
Institution INESC TEC

BRAGA, , Portugal

Date Posted Aug. 19, 2025

Application Deadline Sep. 7, 2025 **Position Start Date** Aug. 14, 2025

Job Categories Graduate Student

Academic Field(s) Computer Science

Engineering - Other

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Job Description

Research Opportunities

Computer Science

Work description



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The work plan falls within the scope of the project supporting the European supercomputing infrastructure, with the participation of INESCTEC. The main focus is work plan is to support users of supercomputing infrastructures, especially in the optimization and profiling of scientific applications in pre-exascale and exascale environments.

Academic Qualifications

National, foreigner and stateless candidates holding a master degree in Electrical and Computers
, Computer Science, Physics, or related scientific area, and holders of a scientific and
professional curriculum showing a relevant profile for the activity to be developed can apply for
the tender.

Minimum profile required

- Demonstrated competence and experience in the development of applications in C++, C, Fortran, and Python.
- Experience in the development of parallel applications in shared memory, using technologies such as OpenMP, TBB, among others.
- Experience in the development of parallel applications in distributed memory, using MPI.
- Knowledge of numerical methods with application in various computational models, including CFD, Molecular Dynamics, and others.
- Practical experience with Linux systems, HPC environments, and SLURM submission systems.
- Proficiency in written and oral communication in Portuguese and English.

Preference factors

- Knowledge and experience in high-performance libraries such as FFTW, BLAS, LAPACK, Intel MKL.
- Familiarity and experience in advanced-level high-performance Frameworks, such as PETSc, BLIS.
- Experience using scientific visualisation tools such as Paraview, Visit, and YT.
- Experience managing and using Infiniband networks.



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Experience with ARM architecture.

Application Period

Since 14 Aug 2025 to 07 Sep 2025

Centre

High-Assurance Software

Scientific Advisor

António Luís Sousa

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.
- Informal Events
- Annual informal events, such as the multicultural party.



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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

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