

INESC TEC | Researcher (AE2025-0358)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=261149>

Downloaded On: Aug. 19, 2025 5:35pm

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

**Apply Online Here** <https://www.inesctec.pt/en/form/notice/5597>

**Apply By Email**

**Job Description**

Research Opportunities

**Computer Science**

**Work description**

## INESC TEC | Researcher (AE2025-0358) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=261149>

Downloaded On: Aug. 19, 2025 5:35pm

Posted Aug. 19, 2025, set to expire Dec. 14, 2025

The work plan falls within the scope of the project supporting the European supercomputing infrastructure, with the participation of INESC TEC. 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.

## INESC TEC | Researcher (AE2025-0358) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=261149>

Downloaded On: Aug. 19, 2025 5:35pm

Posted Aug. 19, 2025, set to expire Dec. 14, 2025

- 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.

**INESC TEC | Researcher (AE2025-0358)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=261149>

Downloaded On: Aug. 19, 2025 5:35pm

Posted Aug. 19, 2025, set to expire Dec. 14, 2025

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