

Research Studentships (Master or Integrated Master students)

Applications are open for 1 Research Studentship(s), within the framework of project/R&D institution (1801P.01185.1.01 NanoXCAN - 101047223, financed by European funds, under the following conditions:

Scientific Area: Plasma Physics and Nuclear Fusion

Admission Requirements:

- a) *To be enrolled at an integrated master or a master.*
- b) *BSc in Physics Engineering or related area; Enrolled in Computation, Data Science or Machine Learning relevant Masters.*

Workplan: . Integrate and validate the new autocorrelator in the TANGO control framework, including device servers, calibration routines, and automated data acquisition.

2. Develop and deploy motorization control modules for translation stages and optical alignment components, ensuring full interoperability with existing VOXEL TANGO infrastructure.
3. Implement unified monitoring dashboards and test sequences, performing system-level debugging and documenting operational procedures for stable long-term use.

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos/documentos/recursos-humanos/bolseiros/#1690453819726-6707f7f2-ce04>

Workplace: The work will be developed at GoLP of IST, under the scientific supervision of a member of the project

Duration: The research fellowship(s) will have the duration of 3 months. It's expected to begin in March, 2026. and may be eventually renewed up to the end of the project, with the limit of 24 months, including the duration of the initial contract.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €1040,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation*, with the respective weight of 100%.

Composition of the selection Jury: Marta Fajardo, Jorge Vieira, Gonçalo Figueira

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. After notification of the provisional list of evaluation results, candidates have a period of 10 working days to, if they wish, make a statement at a preliminary hearing of interested parties, in accordance with Articles 121 et seq. of the Code of Administrative Procedure. The final decision will be made after analyzing the statements presented at the preliminary hearing of interested parties. The final decision may be appealed to the competition jury or to the President of IST-ID within 15 working days of notification.

Application deadline and formalization: The call is open from February 9 until February 13, 2026.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>); ii) *Curriculum Vitae*; iii) academic degree certificate, where applicable; iv) proof of enrollment at an academic degree course (Master, Integrated Master); v) motivation letter;

Applications must be submitted to the email: claudia.romao@tecnico.ulisboa.pt