

Research Studentships (Master or Integrated Master students)

Applications are open for 2 Research Studentships, within the framework of project *Optimizing Home Care social Services (OHCare)*, 2023.16690.ICDT - LISBOA2030-FEDER-00789200, financed by national funds through FCT/MCTES (PIDDAC) and co-financed by the European Regional Development Fund (FEDER) through COMPETE – “Programa Operacional Fatores de Competitividade (POFC)” (when applicable)/ with the financial support of FCT/MCTES through national funds and, when applicable, co-financed by the FEDER, under the Partnership Agreement PT2020, under the following conditions:

Scientific Area: Mechanical Engineering and Engineering Systems – Industrial Management

Admission Requirements:

- a) *To be enrolled at an integrated master or a master.*
- b) *Advanced knowledge of Operations Research techniques.*
- c) *Knowledge of the Python programming language.*

Workplan:

The work plan falls within the scope of the OHCare Project, particularly the APOIO case study, and includes:

- Literature review on Home Care and Dial-a-Ride problems
- Collection, processing, and analysis of data from the APOIO organization
- Development and validation of mathematical models for the planning and replanning of Day Care Center and Home Care Support services
- Analysis and discussion of results
- Writing of scientific articles

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; FCT Regulation for Research Studentships and Fellowships, available on <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at CEGIST/IST-ID, under the scientific supervision of Tânia Rodrigues Pereira Ramos.

Duration: The research fellowships will have the duration of 6 months. It’s expected to begin in April/2026, and may be eventually renewed up to the maximum of 12 months, including the duration of the initial contract.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2025/>), the amount of the monthly maintenance allowance is €1 040,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following:

- a) *Curriculum evaluation (70%)*
- b) *Motivation letter (30%)*

Individual interview. If the jury deems it appropriate, interviews may be conducted to complement the candidates' curricular information and motivation.

Composition of the selection Jury: Tânia Rodrigues Pereira Ramos, Daniel Rebelos dos Santos, Diana Rita Ramos Jorge.

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

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open from March 25 until April 8, 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: cegist@tecnico.ulisboa.pt



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