

(BL98/2024\_IST-ID)

## Research Studentship

Applications are open for 1 Research Studentship, within the framework of 1801P.01224.1.01 - BE.Neutral, contract nº 35, financed by the European and Resilience Plan, under the following conditions:

**Scientific Area:** Mechanical Engineering and Engineering Systems, Energy and Environment

### Admission Requirements:

a) *To be enrolled at a PhD or to be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;*

b) To have a master's degree in mechanical engineering, civil engineering, energy management or related subjects.

c) To have expertise in the area of energy, and modeling of energy systems based on data science.

**Workplan:** Development of new modules for the City Energy Analyst CEA tool (solar thermal, hydrogen) and use of CEA for planning sustainable energy systems in urban areas and use for Digital Twins. Preference is given to users with knowledge of CEA and Python programming.

**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://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

**Workplace:** The work will be developed at IN+, Center for Innovation, Technology and Policy Research of IST-ID, under the scientific supervision of Professor Carlos Santos Silva.

**Duration:** The research fellowship(s) will have the duration of 12 months. It's expected to begin in May/2024 and may be eventually renewed up to the duration of the project, with the limit of 48 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/wp-content/uploads/2024/02/Tabela-de-Valores-SMM\\_atualizacao-2024.pdf](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf)), the amount of the monthly maintenance allowance is € 1259.64, 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 assessment of curricular excellence (40%) and relevant experience for the project (40%). The best-ranked candidates in the curriculum evaluation will be invited to an individual interview, knowledge tests, others*, with the respective weight of 20%.

**Composition of the selection Jury:** Prof. Carlos Santos Silva, Prof. Paulo Ferrão e Dr. Ricardo Gomes.

**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 April 15 until April 26, 2024.

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

Applications must be submitted to the email: [jobs@in3.tecnico.ulisboa.pt](mailto:jobs@in3.tecnico.ulisboa.pt)