

NOTICE FOR THE AWARD OF RESEARCH GRANTS

DEMIFLEX/BI-D/04/2026

A call is open for the allocation of 1 Research Grant for a PhD student under the R&D the DEMIFLEX project (Demonstration of AI-supported microgrid flexibility in connected smart homes), led by ISEP's Laboratory of Software Technologies for Cyber-Physical Systems (SoftCPS), co-funded by the Innovation and Digital Transition Thematic Programme (COMPETE2030) through the European Regional Development (ERDF) and Portugal 2030, under the following conditions:

1.SCIENTIFIC AREA

Informatics Engineering

2.ADMISSION REQUIREMENTS

This grant is intended for candidates who simultaneously:

- hold a master's or bachelor's degree in computer engineering or an equivalent field;
- are enrolled in a PhD program in computer engineering or electrical engineering;
- have research experience in topics related to the proposed work plan.

3.DURATION

The duration of the grant is 6 months, starting in May of 2026, eventually renewable, up to the limit set out in the RBI-ISEP.

4.ACTIVITY OBJECT / WORK PLAN

- Exploration and analysis of Percepta's failure points and implementation of appropriate management mechanisms.
- Implementation and design of the stream processing system and integration with AI for the DEMIFLEX demonstrator.
- Deployment of Percepta in cloud and edge environments.
- Monitoring and active participation in the DEMIFLEX/OPEVA project.
- Writing technical and project progress reports.
- Participation in project-related meetings.
- Writing and publishing scientific articles.

5.APPLICABLE LAWS AND REGULATIONS

Research Grant Holder Statute, approved by Law no. 40/2004, published in Official Gazette, Series I-A - no. 194 - 18th August 2004; Research Grant Regulations of the Fundação para a Ciência e a Tecnologia - FCT (Foundation for Science and Technology), approved by Regulation no. 950/2019, published in Official Gazette, Series II- Part C - no. 241 - 16th December 2019; Research Grant Regulations of ISEP approved by Regulation no. 495-A/2020, published in Official

NOTICE FOR THE AWARD OF RESEARCH GRANTS

DEMIFLEX/BI-D/04/2026

Gazette, Series II - no. 101 - 25th May 2020; Legal regime of recognition of academic degrees and diplomas of higher education awarded by foreign higher education institutions approved by Decree-Law no. 66/2018, published in Official Gazette, Series I - no. 157 - 16th August 2018; Decree-Law no. 60/2018, published in Official Gazette, Serie I - no. 149 - 3rd August 2018, which simplifies administrative procedures necessary for the pursuit of research and development activities, all in their current wording.

6.SCIENTIFIC ORIENTATION AND WORKPLACE

The work will be developed at ISEP/SoftCPS, under the scientific supervision of Professor (PhD) Luis Lino Ferreira.

7.MONTHLY MAINTENANCE ALLOWANCE

Monthly grant amount: €1 359,64, paid by bank transfer (according to FCT values table: <https://www.fct.pt/wp-content/uploads/2026/03/Tabela-de-Valores-SMM-2026.pdf>), supported through PAD no. C72203

8.SELECTION METHODS AND COMPOSITION OF SELECTION BOARD

The assessment should focus on and consider the following criteria:

Curricular Evaluation:

- 1) Adequacy of qualifications to the intended area/profile (40%)
- 2) Adequacy of the activities listed in the curriculum to the intended area / profile (60%)

The three candidates better ranked in the Curricular Evaluation may be invited for an interview; in this case the final evaluation will be performed:

- 1) Curricular Evaluation (70%)
- 2) Interview (30%)

If the Jury decides not to perform interviews, the final evaluation will be related to the Curricular Evaluation only.

Notes: Candidates may be excluded from the contest on the following grounds:

- a) Because they do not have the qualifications and requirements required in the tender notice (point 2.);
- b) Candidates who score less than 9.5 in any of the evaluation components are considered excluded from the tender procedure, not being evaluated in the following component(s);
- c) The failure of the candidate to attend the interview or even the unavailability of the same to provide any additional clarifications that may be requested, is equivalent to withdrawal from the competition.

The jury responsible for the selection process will consist of:

- Professor (PhD) , Luis Lino Ferreira, ISEP project leader (President);
- Professor (PhD), Luis Miguel Pinho (Member);

NOTICE FOR THE AWARD OF RESEARCH GRANTS

DEMFLX/BI-D/04/2026

- Professor (PhD), Ricardo Severino (Member),
- and as alternate member Professor (PhD) António Barros (substitute member)

9. FORM FOR SUBMITTING APPLICATIONS

Applications must be submitted by e-mail to softcps@isep.ipp.pt, with the following documents:

- Curriculum Vitae;
- Qualifications certificate/Document proving the title of the academic degree and diploma, the respective recognition when it has been awarded by foreign higher education institutions or document proving the recognition request;
- Proof of enrolment in the PhD degree;
- Other supporting documents considered relevant.

If the qualification has been conferred by foreign higher education institution, it must comply with the provisions of Decree-law n° 66/2018, of August 16th, and any formalities established therein must be completed by the time of contracting.

10. DEADLINE FOR APPLICATIONS

The reception of applications runs from 27 April to 11 May 2026.

11. FORM OF PUBLICATION / NOTIFICATION OF RESULTS

The results of the evaluation will be disseminated by e-mail, to the e-mail address indicated in the application file.

12. COMPLAINTS AND REDRESS PROCEDURES

If the result is unfavourable, the candidates have a period of 10 working days, after the publication of the results of the evaluation of applications, to give their opinion, if they so wish, in a prior hearing of interested parties, under the terms in the Código de Procedimento Administrativo (Administrative Procedure Code).

The final decision referred to in the preceding numbers may be appealed to the ISEP President within 15 working days of the respective notification.

13. SELECTION REVERSE (OPTIONAL)

The ISEP reserves the right to use the candidates not selected, in order of seriation, for the recruitment of a grand holder within the scope of the same project due the withdrawal of the candidate initially selected.

(Fields to be adjusted according to the type of Grant)