

**NOTICE OF COMPETITION FOR A RESEARCH SCHOLARSHIP – MASTER’S STUDENTS IN THE
AREA OF MECHANICAL ENGINEERING OR PRODUCTION ENGINEERING – AGENDA AERO-
NEXT PORTUGAL – PROAERO3D PROGRAMME**

Bearing in mind Regulation No. 437/2020 on Research Grants of the Polytechnic Institute of Setúbal, published in the 2nd series of the Official Gazette No. 83, of April 28, it is made public that, by order of 26-11-2025 from the President of the IPS, a competition is open for the award of a **Research Grant (BI) aimed at carrying out R&D activities for students enrolled in a Master Degree**, in the area of Mechanical Engineering or Production Engineering, within the scope of Agenda Aero.Next Portugal – ProAero3D Program, financed through Program of Recovery and Resilience (PRR) with the **period for receiving applications from 02-12-2025 to 16-12-2025**, in accordance with the following conditions:

- 1. Duration of the Scholarship** - The scholarship lasts for 6 months and is non-renewable, if it does not exceed the end date of the respective project.
- 2. Recipients** - The scholarship is intended for candidates with the following profile:
 - Students enrolled in a master’s degree in mechanical engineering or production Engineering;
 - Fluency in spoken and written Portuguese;
 - Fluency in spoken and written English.
- 3. Financial component** - According to the Table, contained in Annex I to the FCT Scholarship Regulation, approved by Regulation No. 950/2019, published in the Diário da República, 2nd series of December 16 (updated version), the value of the Scholarship corresponds to **€1040,98** being paid monthly, by bank transfer.
- 4. Workplace** - The work will be carried out, on an exclusive basis, in the Department of Mechanical Engineering of the Escola Superior de Tecnologia de Setúbal, under the scientific guidance of Professor Célio Pina.
- 5. Activity plan** - The candidate will perform duties in accordance with the activities listed below:
 - Bibliographic research;
 - Manufacture of filament for 3D printing, development and 3D printing of stamping tools using 3D printing;
 - Testing of tools in a production environment;
 - Support in validating the manufacturing process with polymer tools produced by 3D printing, together with customers (FAI);

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- Preparation of scientific publications.
- All tasks also include monitoring and supporting students, mainly in degree projects, who will be involved in the project.

Some of these actions may take place at the Lauak Setúbal or Lauak Grândola facilities or at those of other partners in the Aero.Next Portugal agenda.

6. Assessment and ranking criteria:

6.1. Curriculum Assessment, consisting of the Degree of Alignment of the master's degree program or the candidate's profile with the activities to be carried out as a scholarship holder (GA), general analysis of the Curriculum Vitae (CV) and the letter of motivation (CM) – (scale of 0-15 points).

- a) Degree of alignment (GA) between the Master's degree program and the activities to be carried out as a scholarship holder (weighting 0.35) - maximum 15 points**

Fully aligned	15 val.
Partially aligned	12 val.
Not aligned	0 Val.

- b) General analysis of the Curriculum Vitae (CV) (weighting 0.35) - maximum 15 values**

Very good	15 val.
Good	13 val.
Satisfies	7,5 val.
Does not satisfy	0 val.

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c) General analysis of the Motivation Letter (CM) (weighting 0.30) - maximum 15 points

Very good (presents motivational factors related to the activities to be performed as a scholarship holder duly framed in the role)	15 val.
Good	13 val.
Satisfies	7,5 val.
Does not satisfy	0 val.

6.2. Interview (scale of 0-5 values)

In the interview, 4 evaluation parameters are defined and their classification results from the following formula: $E=MI+TTK+CS+VEF$

- Motivation and Interest (MI)
- Theoretical and Technical Knowledge (CTT)
- Critical Sense (SC)
- Verbal Expression and Fluency, including in English (EFV)

Each parameter is valued from 0 points to 1.25 points according to the candidate's demonstration of competence or behavior.

6.3. Each candidate's score will be calculated by adding the scores obtained in the CURRICULUM EVALUATION and the SELECTION INTERVIEW.

6.4. Each candidate's score will be calculated by adding up the scores obtained in the selection methods specified in the previous point, and the ranking of candidates will be expressed on a scale of 0 to 20, rounded to the nearest tenth.

6.5. For the candidate to be approved, they must achieve a minimum total score of 9.5 points and must have obtained at least half of the maximum possible score in the Curriculum Assessment component. Except in the situation provided for in point 6.7, the Selection Interview is a mandatory and eliminatory selection method.

6.6. In the event of a tie, the tiebreaker criterion will be the highest score achieved in the Interview component.

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- 6.7.** If there is only one admitted candidate and they have already obtained at least 9.5 points in the Curriculum Assessment classification, the jury may choose to waive the Selection Interview component.
- 6.8.** Based on the final ranking list, a recruitment reserve will be established, which will be used for the possible hiring of successful candidates in the event of withdrawal by those ranked in positions eligible for hiring.
- 7. Application documents** - The application must be accompanied by the following documentation:
- Letter of motivation addressed to the President of the IPS;
 - Candidacy form (signed);
 - Detailed CV;
 - Certificates of academic qualifications held;
 - Proof of student status for the course and degree being studied at a Portuguese Higher Education Institution, issued by the respective academic services;
 - Proof of residence permit in Portugal (for applicants without Portuguese citizenship).
- 8. How to submit your application** - The application must be made by filling out the standard form, available on the IPS website, at www.ips.pt, and sent to Bolsas.investigacao.dgp@ips.pt or through the address, Campus do IPS, Estefanilha, 2910 761 Setúbal, until the application deadline.
- 9. The jury is made up of:**
- President**
- Célio Gabriel Figueiredo Pina, Coordinating Professor at the Higher School of Technology of Setúbal, of the Polytechnic Institute of Setúbal.
- Effective vowels**
- João Pedro Ribeiro Marques, Assistant Professor at the Higher School of Technology of Setúbal, of the Polytechnic Institute of Setúbal;
- Valdemar Rebelo Duarte, Assistant Professor at the Higher School of Technology of Setúbal, of the Polytechnic Institute of Setúbal.

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Substitute member

Ricardo António Lamberto Duarte Cláudio, Coordinating Professor at the Higher School of Technology of Setúbal, of the Polytechnic Institute of Setúbal.

- 10. Applicable legislation and regulations** - The scholarship is awarded under Law No. 40/2004 of August 18, in its updated version (Statute of the Scientific Research Fellow) and Regulation of Scholarships and Research of the Foundation for Science and Technology, available for consultation at <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>

Polytechnic Institute of Setúbal.

Assinado por: **ÂNGELA MARIA GOMES TELES DE
MATOS CREMON DE LEMOS**
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