

**NOTICE OF COMPETITION FOR TWO RESEARCH INITIATION SCHOLARSHIPS –
UNDERGRADUATE OR CTeSP STUDENTS IN THE FIELD OF MECHANICAL ENGINEERING –
AERO.NEXT PORTUGAL PROJECT – PROAERO3D PROGRAM**

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 22-08-2025 of the Vice-President of IPS, Luísa Margarida Cagica Carvalho, acting on behalf of the President of IPS, in accordance with Order No. 12673/2024, of October 23, a competition is open for the award of **two Research Initiation Scholarships (BII) aimed at carrying out R&D activities for students enrolled in a Bachelor's or CTeSP degree**, in the area of Mechanical Engineering, Agenda Aero.Next Portugal – ProAero3D Program, financed through Program of Recovery and Resilience (PRR) with the **period for receiving applications from 01-09-2025 to 12-09-2025**, in accordance with the following conditions:

1. **Duration of the Scholarship** - The scholarship lasts for 12 months, if it does not exceed the final date of execution of the respective project.
2. **Recipients** - The scholarship is intended for candidates with the following profile:
 - Students enrolled in a bachelor's degree or CTeSP in Mechanical 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 **€651,12** 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 Guest Adjunct Professor Susana Cravo.
5. **Activity plan** - Support for the production, machining, and testing of test pieces/components to be produced by metal additive manufacturing, as part of the component qualification procedure for the aeronautical industry, within the scope of the Aero.Next Portugal Agenda - ProAero3D Program.

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6. Assessment and ranking criteria:

6.1. Curriculum Assessment, consisting of Academic Merit (AM), general analysis of the Curriculum Vitae (CV) and the Motivation Letter (ML) – (scale of 0-15 values).

a) Academic Merit (MA) (weighting 0.20) - maximum 15 values

Simple average of UC already completed ≥ 15 val. and at least 10 UC already completed.	15 val.
Simple average of UC already completed ≥ 13 val. and at least 10 UC already completed.	13 val.
Simple average of UC already completed ≥ 13 val. and at least 9 UC already completed.	11 val.
Simple average of UC already completed ≥ 12 val. and at least 8 UC already completed.	10 val.
Simple average of UC already completed ≥ 11 val. and at least 5 UC already completed.	7 val.
No. of UC already completed < 5 .	0 Val.

b) General analysis of the Curriculum Vitae (CV) (weighting 0.50) - maximum 15 values

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

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.

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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 (TTK)
- Critical Sense (CS)
- Verbal Expression and Fluency, including in English (VEF)

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 points, 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.
- 6.7.** If the number of candidates is less than or equal to the number of scholarships, and the candidates have already obtained at least 9.5 points in the Curriculum Assessment classification, the jury may decide 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 approved candidates in the event of withdrawal by those ranked in positions eligible for hiring.

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7. Application documents - The application must be accompanied by the following documentation:

- Letter of motivation addressed to the President of the IPS;
- Application form;
- Curriculum Vitae;
- 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 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

Doutor Afonso Manuel da Costa de Sousa Leite, Professor(a) Adjunto(a) da Escola Superior de Tecnologia de Setúbal/IPS.

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Doutor Ricardo António Lamberto Duarte Cláudio, Professor(a) Coordenador(a) da Escola Superior de Tecnologia de Setúbal/IPS;

Doutor João Pedro Ribeiro Marques, Professor(a) Adjunto(a) da Escola Superior de Tecnologia do Setúbal/IPS.

Substitute Member

Doutora Maria João Carmezim, Professor(a) Coordenador(a) da Escola Superior de Tecnologia de Setúbal/IPS.

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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.