

**CALL FOR RESEARCH SCHOLARSHIP FOR BIC IN THE SCOPE OF THE
PROJECT GreenAuto**
APPLICATION opens from 7th until 20th of November, 2025
Ref.^a GreenAuto -BIC_3

Number of positions: 3 (three)

The Institute of Systems and Robotics - University of Coimbra (ISR-UC) opens the call for applications for three (3) Research **Grants for Students (BIC)** in the scope of the Scientific Research Project – “GreenAuto”, in the context of a Mobilizing Agenda called “GreenAuto: Green innovation for the Automotive Industry”, financed under Notice 02/C05-i01/2022, framed in Ordinance No. 43-A/2022, of 19 January, and in the Portuguese Recovery and Resilience Plan (PRR).

Scientific Area: Electrical and Computer Engineering or closely related fields.

Admission requirements: Graduates enrolled in non-degree programs and/or students enrolled in undergraduate or master's degree programs in Electrical and Computer Engineering, Biomedical Engineering or Physics Engineering. Advanced knowledge in C/C++ or Python development. Proficiency in oral and written Portuguese or English.

Work plan: The selected candidates will work out R&D on ML-based Perception and Navigation for AMRs targeting industrial applications.

The work plan comprises the following tasks:

- Acquisition of datasets using ROS, in industrial context.
- Annotation of multimodal data for object 6D pose estimation and object tracking.
- Design and execution of real-world evaluation scenarios, including testing of tracking, detection, 6D pose estimation, and Simultaneous Localization and Mapping (SLAM) pipelines, developed under the GreenAuto Agenda (PPS18). Tests will be conducted using the InterBot mobile robot and additional robotic platforms.

Location: The works will take place at the Instituto de Sistemas e Robótica – Universidade de Coimbra.

Duration: The contract is expected to start in December and will last for a period of 3 months (with the possibility of extension for a further 3 months).

Monthly remuneration: 651,12€ according to the table of grant amounts awarded, stipulated by FCT for positions held in Portugal.

Selection method: Curriculum evaluation (100%). If the Jury deems it necessary, an interview can be conducted to the candidates placed in the first five positions according to the ranking resulting from the previous criteria. In this case, the final score will include the curriculum evaluation with a 50% rating, and the interview, with a 50% rating. If none of the candidates has

the appropriate profile (global assessment below 50%), the scholarships will not be awarded.
Selection and attribution criteria:

In the curricular evaluation will be considered the following criteria: global merit of the curriculum vitae (40%) and adequation of the candidate to the project (60%).

In the interview (if it occurs) for the best 5 candidates of the Curricular Evaluation, the motivation degree and the commitment for the task to develop will be taken into consideration.

The candidates with a final evaluation lower than 3.5 on a 5 point scale will be excluded. The jury reserve the right to don't attribute the Contract in the case of no candidate has the required profile.

Jury: Professor Urbano J. Nunes, Doctor Luís Garrote, Doctor Tiago Barros.

Application submission: The applications shall be sent by email to urbano@isr.uc.pt and in cc to patricia.almeida@deec.uc.pt specifying in the subject: **Ref.^a GreenAuto -BIC_3.** The following documentation must be attached to the email (in PDF format):

- (1) Curriculum Vitae (CV),
- (2) academic certificate with the final classification in the course and respective modules, and
- (3) letter of motivation.

Deadline for applications: 20th of November, 2025.

Form of publicity / notification of the results: The results of the evaluation will be publicized, through a list ordered by the final grade obtained, with the candidates being notified by email. After the dissemination of the results through e-mail, the candidates must consider themselves, from the outset, notified to, if they wish, express themselves in a prior hearing within a maximum period of 10 working days after that date. At the end of this period, the selected candidate must consider himself summoned to start the scholarship.

Organization/institute: Instituto de Sistemas e Robótica (ISR)- Pólo de Coimbra

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