Job Title	INESC TEC | Research Grant (AE2025-0169)
Department	CRAS
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Apr. 11, 2025
Application Deadline	Apr. 24, 2025
Position Start Date	Apr. 10, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/form/notice/5414
Apply By Email	
Job Description	

Research Opportunities

Robotics and Artificial Intelligence

Work description

- Implement the electro-mechanical integration of an underwater sonar sensor to enable bathymetric data collection.
- Incorporate sonar firmware into the USV's operating system for online operation.
- Design and implement a geo-referenced bathymetric mapping approach for accurate underwater terrain assessment.

- Prepare technical reports detailing system integration, methodologies, and performance evaluation.

Academic Qualifications

- Enrolled in a Master's degree (or equivalent).

Minimum profile required

- Experience in the adaptation and integration of electronics in drones, including pcb design and manufacturing.
- Elaboration of studies regarding electromagnetic compatibility.
- Experience in VR (Unity).
- Past involvement in research projects, documented with proof.
- Enrolled in a Master's degree (or equivalent) related to electronics and robotics.

Preference factors

- Knowledge in sensor integration and visualization.
- Use and programming C/C++ and Python.

Application Period

Since 10 Apr 2025 to 24 Apr 2025

Centre

Robotics and Autonomous Systems

INESC TEC | Research Grant (AE2025-0169)
INESC TEC

Scientific Advisor

Daniel Filipe Campos

For more information: Click Here

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

Contact E-mail   rh@inesctec.pt