

INESC TEC | Research Grant (AE2024-0493)
INESC TEC

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| Job Title | INESC TEC Research Grant (AE2024-0493) |
| Department | CRAS |
| Institution | INESC TEC PORTO, , Portugal |
| Date Posted | Dec. 2, 2024 |
| Application Deadline | Dec. 11, 2024 |
| Position Start Date | Nov. 28, 2024 |
| Job Categories | Graduate Student |
| Academic Field(s) | Engineering - Other |
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| Apply By Email | |
| Job Description | |

Research Opportunities

Robotics, autonomous systems

Work description

Develop the BioSampler mechanical solution for real-time and in-situ water sampling and filtration for eDNA collection within the scope of the NMicroARTIC research project. This work plan includes the redesign and implementation of a mechanical and micro-hydraulic solution for the biosampler for submerged use as well as consideration of its use in environments with extreme weather conditions.

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The plan also includes testing and validating the implemented solution and monitoring its implementation in the field, as well as preparing all associated documentation and usage manuals.

Academic Qualifications

Master in Mechanical Engineering.

Minimum profile required

- Experience with field work and sea trials;
- Experience with filtration and microfluidic systems.

Preference factors

- Experience in microfluidic system design;
- Experience in embedded systems;
- Experience in solidworks design;
- Practice manufacturing mechanical components.

Application Period

Since 28 Nov 2024 to 11 Dec 2024

Centre

Robotics and Autonomous Systems

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Scientific Advisor

[Alfredo Martins](#)

What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**
- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
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- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

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Contact Information

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

Contact

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Portugal

Contact E-mail rh@inesctec.pt