

INESC TEC | Research Initiation Grant (AE2024-0156)
INESC TEC

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Posted May 2, 2024, set to expire Sep. 1, 2024

Job Title	INESC TEC Research Initiation Grant (AE2024-0156)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	May 2, 2024
Application Deadline	May 15, 2024
Position Start Date	May 2, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Development of sensors for hydrogen monitoring in an industrial context

Work description

Hydrogen presents itself as a solid and more efficient alternative for generating green energy and could be introduced into the natural gas network replacing some or all of its current components, namely methane.

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This scholarship will be carried out within the scope of a project included in the Alliance for Energy Transition and which aims to develop and implement optical sensors in an industrial context for the detection and monitoring of gases in the energy sector.

Academic Qualifications

Degree in Physics Engineering

Minimum profile required

- Knowledge in the field of optics.
- Skills in electronics and programming for software development for simulation and control of devices and analysis of results.

Preference factors

- Enrolled in a Master's degree in Physics Engineering.
- Knowledge of programming in Labview and thin film deposition systems.

Maintenance stipend: € 601,12, according to the table of monthly maintenance stipend for FCT grants, paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the Regulations for Grants of INESC TEC and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

Application Period

Since 02 May 2024 to 15 May 2024

Centre

Applied Photonics

Scientific Advisor

Luís Carlos Coelho

What we offer

- **Multicultural and collaborative environment**

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- 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**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

Fore 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