


Two Research Student Fellowships (BI – Bachelor)

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23/01/2023

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	Coimbra
Research Field	Physics » Applied physics
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	06/02/2023 - 17:00 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	01/03/2023 - 12:00
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Reference Number	CERN/FIS-PAR/0026/2021
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

LIP opens a call for selection of fellows for 2 a Research Student Fellowship (BI – Bachelor) for participation in the project “ATLAS Upgrade”, reference CERN/FIS-PAR/0026/2021, funded by FCT/MCTES through national funds (State Budget – OE).

Work plan:

The work plan will be carried out in the context of the activities of the ATLAS group at LIP. Namely, it will focus on the development of new electronic modules for the high time resolution tracking detector (High Granularity Timing Detector – HGTD). The HGTD, which will have a time resolution of 50 ns per track, is currently being developed for the upgrade of the ATLAS experiment of the LHC collider at CERN, in Switzerland. The goal of this work will be to develop an electronics board for the detector control system and high-voltage filters for the detector power system.

Legislation:

The fellowship contract will be established according to the Status of Scientific Research Fellow (Law nº 40/2004, August 18th, and its successive amendments) and to the “Regulations for Research Grants of the Foundation for Science and Technology” (<https://dre.pt/application/conteudo/127238533>)

Duration:

The fellowship has a duration of 6 months, with a foreseen starting date on 1st March 2023. The fellowship may eventually be renewed, until the maximum foreseen in the project and according to the terms of the FCT regulations.

The working plan will be carried out at LIP-Coimbra and LIP-Lisbon, under the supervision of Prof. Ricardo Gonalo (FCTUC) and Prof. Pedro Assis (IST).

Application:

Applicants should submit: a motivation letter and a curriculum vitae (both in English), Bachelor certificate and a including the list of classifications obtained in the different curricular units, and other relevant documents, as a PDF file, by email to bolsas@coimbra.lip.pt.

Requirements

Research Field	Physics » Applied physics
Education Level	Bachelor Degree or equivalent

Skills/Qualifications

Requirements:

Degree in Physics Engineering, Physics or equivalent.

Preference criteria:

Demonstrable knowledge of electronics, programming, and physics. Experience in the design and testing of electronics will be preferential.

Specific Requirements

Experience in the development of small projects in the area of electronics at the undergraduate or master level.

Languages	ENGLISH
Level	Good

Research Field	Physics » Other
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Additional Information

Benefits

The monthly amount of 875,98€, is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

https://www.fct.pt/apoios/bolsas/docs/Tabela_de_Valores_SMM_2022.pdf

This amount will be paid on a monthly basis through a bank transfer to the grant holder's bank account.

Eligibility criteria

Applicants should fulfil the requirements to join a course granting a higher academic degree (Master) or in a non-academic degree course, as stipulated in the “Regulations for Research Grants of the Foundation for Science and Technology” (Article 6).

When contracting, it will also be necessary the candidate present a proof of enrolment in the course granting, or not, a higher academic degree.

In the event of the degree was awarded by a foreign higher education institution, the degree must comply with the provisions of the Decree-Law nº. 66/2018, of 16 august (<https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition?plid=1...>). The selected candidate must provide the recognition of the degree when signing the contract.

Selection process

Evaluation:

The members of the jury will take into consideration the CV (50%) and the required field adequation (50%). If none of the candidates fulfills the appropriate profile, the scholarships will not be awarded.

Members of the Jury:

Effective

- Doutor Ricardo Gonalo
- Doutor Pedro Assis
- Doutora Helena Santos

Alternates

- Doutora Patricia Conde

Advertising / notification of results:

The results of the evaluation will be communicated by email; in case of disagreement, the candidates have a period of 10 working days to contest the decision, as provided for in the Code of Administrative Procedure in a preliminary hearing. At the end of this period, the arguments presented will be analyzed by the jury committee, who will simultaneously communicate the final decision to all the candidates who submitted allegations. The final results of the shortlisted applicants will be communicated by e-mail. In case of disagreement, the candidates have a period of 15 working days to contest the decision.

Website for additional job details

<https://www.lip.pt/?section=about&page=recruitment>

Work Location(s)

Number of offers available 2

Company/Institute LIP Coimbra-Portugal

Country Portugal

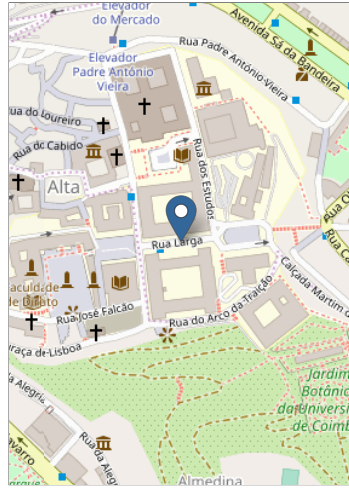
State/Province Coimbra

City Coimbra

Postal Code 3004-516

Street Rua Larga, Depto Fisica Univ.Coimbra

Geofield



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Where to apply

E-mail bolsas@coimbra.lip.pt

Contact

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Street Departamento de Física da Universidade de Coimbra, Rua Larga

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