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[LIP - Laboratório de Instrumentação e Física Experimental de Partículas](#) | Posted on: 30 July 2024

Two Research Student Fellowships (BI – Bachelor)

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30 Jul 2024

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	Lisbon
Research Field	Physics » Electronics
Researcher Profile	First Stage Researcher (R1)
Positions	Bachelor Positions
Country	Portugal
Application Deadline	14 Aug 2024 - 17:00 (Europe/Lisbon)
Type of Contract	Other
Type of Contract Extra Information	STUDENT FELLOWSHIP (Bachelor)
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Sep 2024
Is the job funded through the EU Research Framework Programme?	Not funded by a EU programme
Reference Number	2024.06584.CERN
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 Experiment Upgrade”, reference 2024.06584.CERN, funded by the program “Call for IC&DT Projects: Co-operation between Portugal and CERN” (RE-C06-i06–“Ciência Mais Capacitação” do PRR).

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 configuration of two FPGAs and one WinCC project 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 the development of the interlock system that will protect the semiconductor sensors against over temperatures and other risks related to general infrastructure failures of the ATLAS detector to which the HGTD belongs.

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://files.dre.pt/2s/2019/12/241000000/0009100105.pdf>).

Duration:

The fellowship has a duration of **3 months**, with a foreseen starting date on **1st September 2024**. 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 Researcher Helena Santos (LIP) and Prof. José Augusto (FCUL).

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.

Where to apply

E-mail bolsas@coimbra.lip.pt

Requirements

Research Field 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 control/interlock electronics for high energy physics experiments 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
Years of Research Experience 1 - 4

Additional Information

Benefits

The monthly amount of **990,98€**, is in accordance with the values stipulated in the “FCT Regulation for Research Studentships and Fellowships”:

https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.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 n.º 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 José Augusto
- Doutor Ricardo Gonçalo
- 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.

Additional comments

Non-discrimination and equal access policy:

LIP actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

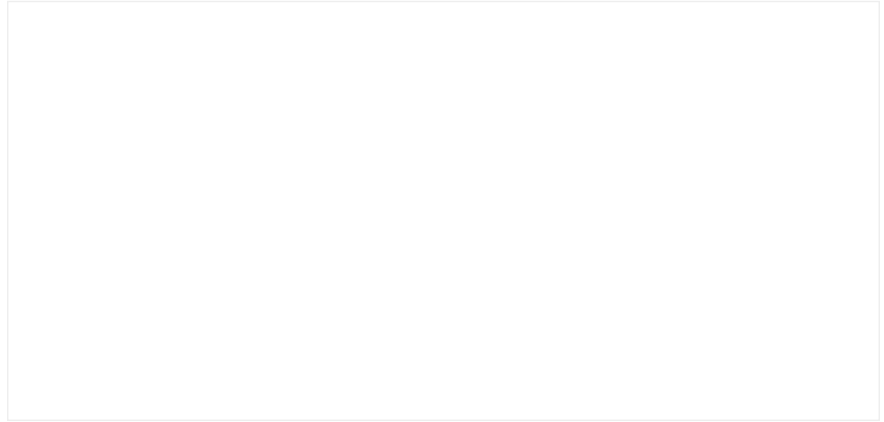
Website for additional job details

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

Work Location(s)

Number of offers available	2
Company/Institute	LIP
Country	Portugal
State/Province	Lisbon

City Lisbon
Postal Code 1649-003
Street Av. Prof. Gama Pinto, n.2
Geofield



Contact

City Lisbon
Website <http://www.lip.pt>
Street Av. Prof. Gama Pinto, n.2
Postal Code 1649-003
E-Mail seclip@coimbra.lip.pt
Phone +351.239.833.465

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