

Job offer

JOB PORTUGAL

LIP - Laboratório de Instrumentação e Física Experimental de Partículas | Posted on: 6 January 2025

Research Student Fellowship (BI – Bachelor) - Computing Group

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6 Jan 2025

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Computer science » Other Physics
Researcher Profile	First Stage Researcher (R1)
Positions	Bachelor Positions
Country	Portugal
Application Deadline	17 Jan 2025 - 17:00 (Europe/Lisbon)
Type of Contract	Other
Type of Contract Extra Information	Research Fellowship
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Feb 2025
Is the job funded through the EU Research Framework Programme?	Not funded by a EU programme
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

LIP opens a call for selection of fellows for two Research Student Fellowships (BI – Bachelor) for participation in the context of the Computing Research Group.

Research Field: Data Optimisation, Data Visualisation

Education Level: Degree in computer engineering or physical engineering, or equivalent

Work plan:

The aim of this project is to research and develop a high-performance platform for exploring and visualising LiDAR (Light Detection And Ranging) data, in cloud and matrix format, in a web environment.

In this project, the student will be part of an interdisciplinary team to research and develop techniques to visualise and explore high-density LiDAR data from mainland Portugal in 2D and 3D projections and interactively in a web browser, using free and open source software, optimising the amount of information to be downloaded from the server and displayed taking into account the

Legislation:

A fellowship contract will be established according to the Regulations for Research Grants of LIP and of the Foundation for Science and Technology and to the Status of Scientific Research Fellow (Law nº 40/2004, August 18th, and its successive amendments).

Duration:

The fellowship has a duration of 3 months, with a foreseen starting date on February 1, 2025. The fellowship may eventually be renewed, until the maximum foreseen in the project and according to the terms of the LIP/FCT regulations.

The work will be carried out at the LIP-Minho facilities under the scientific supervision of Engineer Henrique Carvalho and the co-supervision of Prof. Nuno Castro.

Applicants should submit a curriculum vitae, Bachelor diploma and a list and grades of university courses and other relevant documents, as a PDF file, by email to natalia@lip.pt and vanda@lip.pt. **Application Deadline: 17/01/2025 – 17:00 (Europe/Lisbon)**

Where to apply

E-mail natalia@lip.pt

Requirements

Research Field Physics
Education Level Bachelor Degree or equivalent

Research Field Computer science » Other
Education Level Bachelor Degree or equivalent

Skills/Qualifications

Candidates must demonstrate the ability to learn new concepts and research techniques, and to carry out a research program.

Specific Requirements

Technical requirements: Experience in 3D computer graphics software, experience in optimising and visualising a large volume of data.

Languages ENGLISH

Level Excellent

Research Field Computer sciencePhysics

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.

Other components, such as installation or travel support, if applicable, will be paid according to the same rules.

Eligibility criteria

Applicants should fulfill 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 enrollment 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

The members of the jury will take into consideration the CV (50%) and the research experience in the required field (50%). If none of the candidates fulfils the appropriate profile, the scholarship will not be awarded.

Members of the Jury:

- Eng. Henrique Carvalho (LIP)
- Prof. Nuno Castro (LIP, Universidade do Minho)
- Eng. Jorge Gomes (LIP)

Additional comments

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 analysed 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.

Non-discrimination and equal access policy:

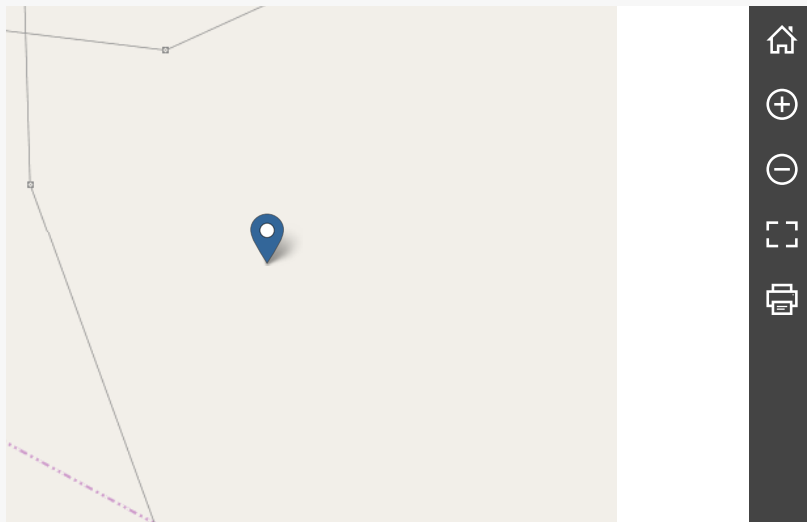
LIP actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, 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 - Laboratório de Instrumentação e Física Experimental de Partículas
Country	Portugal
State/Province	Braga
City	Braga
Geofield	



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Contact

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E-Mail	natalia@lip.pt

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