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JOB PORTUGAL

LIP - Laboratório de Instrumentação e Física Experimental de Partículas | Posted on: 27 May 2024

Research Student Fellowship - Projeto "SpaceRad - An Integrated Framework for the Radiation Environment in Space, on Mars and on the Moon and its Implications for Human Space Flight" / PROSSE-ESA

Apply now *(mailto:natalia@lip.pt?subject=Research Student Fellowship - Projeto "SpaceRad - An Integrated Framework for the Radiation Environment in Space, on Mars and on the Moon and its Implications for Human Space Flight" / PROSSE-ESA)*

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27 May 2024

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Physics » Other
Researcher Profile	First Stage Researcher (R1)
Positions	PHD Positions
Country	Portugal
Application Deadline	30 Jun 2024 - 17:00 (Europe/Lisbon)
Type of Contract	Other
Type of Contract Extra Information	Fellowship
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	PROSSE-ESA
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

A call for selection of fellows for a grant for the development of a PhD work programme in the context of the project,

"SpaceRad - An Integrated Framework for the Radiation Environment in Space, on Mars and on the Moon and its Implications for Human Space Flight".

The SpaceRad Project is funded by PT-Space, under the PROSSE 2023 Program with the European Space Agency.

Work plan:

The work plan will be carried out with the "Space Radiation Environment and Effects" group at LIP and it will consist in the development of an integrated simulation framework for the characterization of the radiation environment in planetary bodies and interplanetary space from 1 AU to 1.5 AU, to be used in support of Martian and Lunar exploration, applied to Human Space Flight. The framework shall be validated with existing data and used to predict realistic scenarios and plan instruments for future missions. It will be made available to the space community for analysis and mission planning. The work developed will be reported in several peer-reviewed publications and in international conference communications.

Supervisors:

Patrícia Gonçalves; patricia@lip.pt

Luísa Arruda, luisa@lip.pt

Legislation:

A fellowship contract will be established according to the “Regulations for Research Grants of the Foundation for Science and Technology” (https://files.diariodarepublica.pt/2s/2019/12/241000000/0009100105.pdf) 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 36 months, eventually renewable, with a foreseen starting date on September 2024.

Application:

Applicants should submit a motivation letter, curriculum vitae, two reference letters, Bachelor and Master diplomas and a list and grades of university courses and other relevant documents, as a PDF file, by email to natalia@lip.pt

Where to apply

E-mail	natalia@lip.pt

Requirements

Research Field	Physics » Other
Education Level	Master Degree or equivalent
Research Field	Physics » Other
Education Level	Bachelor Degree or equivalent

Skills/Qualifications

Only candidates who have completed the cycle of studies leading to a Bachelor's or Master's degree by the end of the application period will be admitted.

Main Research Field: Space Physics

Programming skills (Python, C++) and knowledge of analysis tools (Geant4 ROOT, etc…).

Database programming skills and web interface construction knowledge.

The candidate should provide a clear demonstration of the ability to carry out a research program.

The candidate must be fluent in English.

Specific Requirements

The candidates should provide a clear demonstration of the ability to carry out a research program.

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

When signing the contract, the candidate must present a proof of enrollment in the course granting the 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.

Languages	ENGLISH
Level	Excellent
Research Field	Physics
Years of Research Experience	1 - 4

Additional Information

Benefits

The monthly amount of 1259,64€ 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 (PhD), as stipulated in the “Regulations for Research Grants of the Foundation for Science and Technology” (Article 6).

When signing the contract, the candidate must present a proof of enrollment in the course granting the 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 research experience in the required field (50%). If none of the candidates fulfills the appropriate profile, the scholarship will not be awarded.

Members of the Jury:

- Prof. Patrícia Gonçalves (LIP/IST)
- Doutora Luisa Arruda (LIP)
- Prof. Doutor Pedro Assis (LIP/IST)

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.

Additional comments

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 https://pages.lip.pt/space/

Work Location(s)

Number of offers available	1
Company/Institute	LIP - Laboratório de Instrumentação e Física Experimental de Partículas

Country	Portugal
State/Province	LISBON
City	LISBON
Postal Code	1649-003
Geofield	

Contact

City	LISBON
Website	http://www.lip.pt
Street	Av. Prof. Gama Pinto, nº 2
Postal Code	1649-003
E-Mail	natalia@lip.pt

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