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Laboratório de Instrumentação e Física Experimental de Partículas - LIP (Lisboa)

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1. Descrição do cargo/posição/bolsa 1. Job description

Job:

Research Grant (for MSc holders)

Job/Fellowship Reference: Bolsa de investigação (Mestre) no âmbito do projeto "BigHPC - A Management Framework for Consolidated Big Data and HPC"

Main research field: Computer science

Sub research field: Informatics

Job summary:

LIP opens a call for selection of fellows for one Research Grant (for MSc holders) for participation in the project "BigHPC - A Management Framework for Consolidated Big Data and HPC", reference: Projeto IC&DT, POCI-01-0247-FEDER-045924, with financial support from FEDER - Fundo Europeu de Desenvolvimento Regional, COMPETE 2020 - Programa Operacional de Competitividade e Internacionalização (POCI), Portugal 2020, and through national funds (Portuguese State Budget).

Job description:

Requirements: Masters in Informatics, Masters in Informatics Engineering, Masters in Physics, Physical Engineering or equivalent. The candidate must be enrolled in a course granting a higher academic degree or in a non-academic degree course.

Preference criteria: Experience in software development with Python, C and/or C++, good knowledge of Linux systems.

Work plan: The BigHPC project aims at improving the management of HPC data centers and Big Data applications supported by these with novel features in monitoring, virtualization and software-defined storage. The project will simplify the management of HPC infrastructures supporting Big Data and parallel computing applications. The project will have a direct impact on science, industry and society, by accelerating scientific breakthroughs in different fields and increasing the competitiveness of companies through better data analysis and

improved decision-support processes.

The activities of the selected candidate will be developed in the framework of the research for development, integration, test and validation of this innovative computing platform.

Legislation: A fellowship contract will be celebrated according to the “Regulations for Research Grants of the Foundation for Science and Technology” in force, (<https://dre.pt/application/conteudo/127238533>) and to the Status of Scientific Research Fellow (Lei n° 40/2004 de 18 de Agosto, and its successive amendments).

Duration: The fellowship has a duration of 12 months, with a foreseen starting date in 1st December 2020, eventually renewable until a maximum of 30 months.

Work Place: The grant holder will carry the research activity at LIP-Minho in Braga, Portugal, under the scientific supervision of Dr Nuno Castro.

Amount: The monthly amount of the grant 1.074,64€ is in accordance with the values stipulated in the “Regulations for Advanced Training and Qualification of Human Resources” of FCT in force: (<https://www.fct.pt/apoios/bolsas/valores.phtml.pt>). This amount will be paid on a monthly basis through a bank transfer to the grant holder's bank account.

Evaluation: The members of the jury will take into consideration the CV (50%), research experience in the required field (50%).

Members of the Jury: Dr Nuno Castro, Dr Mário David, Dr João Pina

Advertising / notification of results: The results of the evaluation will be communicated by email through a list sorting the candidates, according to their attributed mark; 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, which 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.

Application deadline: From 09th November 2020 to 23rd November 2020 (17:00 - Lisbon time).

Applicants should submit a curriculum vitae, diploma and a list and grades of university courses and other relevant documents for the evaluation.

Contact:

LIP

Av. Prof. Gama Pinto, n. 2, 1649-003 Lisboa, Portugal

Tel.: 210 493 611

Natalia Antunes

e-mail: natalia@lip.pt

Vacant posts: 1

Type of contract: To be defined

Job country: Portugal

Job city: Braga

Job company/institute: LIP-Minho

Application deadline: 23 Novembro 2020

(The Application's deadline must be confirmed on the Job Description)

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2. Dados de contactos da organização
2. Organization contact data

Organization/institute: Laboratório de Instrumentação e Física Experimental de Partículas - LIP (Lisboa)

Address:

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Portugal

Email: natalia@lip.pt

Website: <http://www.lip.pt>

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