

Postdoctoral Research Grant (BPD) for the R&D Integrated Program “C4 - Centro de Competências em Cloud Computing”

Reference: “C4_LA_D2c”

We are accepting applications for one Postdoctoral Research Grant (BPD) for the R&D Integrated Program “C4 - Centro de Competências em Cloud Computing / C4 - Cloud Computing Competences Centre”, co-financed through the *Sistema de Apoio à Investigação Científica e Tecnológica - Programas Integrados de IC&DT*, by the Portugal 2020 Program (PT 2020), in the framework of the Regional Operational Program of the Center (CENTRO 2020) and the European Union through the *Fundo Europeu de Desenvolvimento Regional* (FEDER), taking place at C4 - Cloud Computing Competences Centre of the University of Beira Interior, Covilhã (Portugal), under the following conditions:

Scientific Area: Cloud Robotics

Admission requirements: The candidates should have a PhD degree in Computer Science Engineering, Electrical Engineering or equivalent. Special relevance will be given to the candidates with experience in Artificial Intelligence, Computer Vision or Robotics.

Objectives and Work plan: The work plan includes scientific and technological research tasks carried out in order to achieve the goals proposed in WP2.4 of the C4 - Cloud Computing Competences Centre. Particularly, the selected candidate will participate in the development of the following tasks: (1) Definition of a generic model of algorithm cloudification that allows robots to take advantage of the resources placed at their disposal in the cloud; (2) Enhance the collaboration and sharing of information between several robots, ensuring that this is possible without violating the privacy or security of the systems in which they are inserted; (3) Create guidelines on the type of robotic services that can use this technology; and (4)

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Elaboration of scientific reports and articles and dissemination of the results in national and international scientific events.

Legislation and applicable regulations: Statute of the Scientific Research Grant approved by the Law 40/2004, August 18th, in its current wording, as well as the Regulation of Research Grants of the Foundation for Science and Technology IP (FCT) (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2018.pdf).

Workplace and Scientific supervision: The workplace will be the C4 - Cloud Computing Competences Centre, University of Beira Interior (Covilhã, Portugal), under the scientific guidance of Prof. Luís Alexandre.

Duration: The scholarship is expected to start in August 2019 and end on 31/08/2020 (date of conclusion of the project approved in headquarters decision).

If this date is extended, the scholarship may be renewed, with the favorable advice of the scientific supervisor, at most until the end of the extension period or up to a maximum of 24 months.

Amount of the monthly maintenance allowance: The monthly amount of the grant is €1.509,80 in accordance with the values stipulated by the “Regulations for Advanced Training and Qualification of Human Resources” of FCT (<http://www.fct.pt/apoios/bolsas/valores.phtml.en>).

The monthly amount shall be rendered payable via bank transfer to an account held by the grantee.

The voluntary social insurance is added to the value of the grant, if the candidate chooses to join it, as well as the personal accident insurance.

Selection criteria: The selection methods to be used will be composed by 2 evaluation phases, according to the following: 1st phase - Curricular evaluation; 2nd phase - Interview, which can be performed via videoconference.

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The evaluation in the 1st phase includes the following criteria: *Curriculum vitae*/Academic evaluation (50%); Suitability of the candidates' profile to the project based on the relevant work experience in the tasks described in the work plan (40%); Fluency in oral and written English (10%).

The 3 candidates that present the highest scores after the 1st phase will pass to the 2nd phase.

For the final evaluation, each of the evaluation phases have an assessment of 50%.

Composition of the selection jury: Prof. Luís Alexandre (President of the Jury); Prof. Hugo Proença and Prof. Pedro Almeida (Effective members); Prof. Paulo Fazendeiro (Substitute member).

Form of publication / notification of results: The final results of the evaluation will be publicized through an ordered list, by final grade obtained, posted in a visible and public place of the Departamento de Informática of the University of Beira Interior (Covilhã, Portugal), and the candidate being approved by electronic mail.

Application deadline and application form: The application to this grant will be opened from 22nd July 2019 until 2nd August 2019 (24:00 hours).

Applications must be formalized by sending an email of application, with the subject "C4_LA_D2b- Application", accompanied by the following documents in .pdf format (mandatory): Letter of motivation, *Curriculum vitae*, copy of Certificate(s) of qualification, Citizen card details (validity, civil identification number, tax identification number) or Passport and other supporting documents considered relevant.

Applications must be sent to luis.alexandre@ubi.pt.

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