

## **CALL for ASSIGNMENT of a RESEARCH GRANT**

within the scope of the R&D Project Intelligent Platform for Content Aggregation and Management for Telco Operators (Master Aggregator) – Ref: Grant Master Aggregator-1

It is open a call for 1 (one) Research Grant for students enrolled in a cycle of studies leading to a PhD degree or masters enrolled in a non-academic degree course, within the R&D Project “Master Aggregator”- Intelligent Platform for Content Aggregation and Management for Telco Operators”, Ref. Grant Master Aggregator-1, co-funded by the TIMWE SPIN LAB, Lda., under the Scientific Technical Collaboration Agreement signed between TIMWE SPIN LAB, Lda. and the Department of Computer Science of the University of Beira Interior, Covilhã, Portugal, under the following conditions:

### **1. Scientific Area:**

- Networks and Systems; Machine Learning; Computer Security.

### **2. Admission Requirements:**

- Master of Science degree in an Engineering area with knowledge in programming.
- Experience in scientific research, preferably in projects related with Networks and Systems, Machine Learning and Computer Security. Skills in programming languages such as Java and Python will be valued.
- Be a student enrolled in a cycle of studies leading to a PhD degree or enrolled in a non-academic degree course;

If the academic degree required for this competition has been awarded by a foreign higher education institution, it shall be in compliance with Decree-Law 66/2018, of 16 August and Ordinance no. 33/2019, of 25 January.

### **3. Work plan:**

The grant will be applied in the research and development of an innovative technological solution that optimizes the integration and management of multiple content providers (CPs) by the operators. It will consist of a broker placed between operators and CPs, which will allow the automation of business flows involving services common to operators and CPs, the fraud detection in those services, the more efficient analysis and management of the information

belonging to the operators and CPs' systems, and the segmentation of information relevant to the operational management and to the design of end user oriented services.

Tasks for this research grant include specification of preliminary requirements for the security and anti-fraud module; research and development of the security and anti-fraud module; integration of the security and anti-fraud mechanisms on the ecosystem; specification, experimental development and testing of a prototype of the security and anti-fraud module.

#### **4. Legislation and applicable regulations:**

Decree-Law no. 123/2019, of August 28, which approves the Research Fellow's Statute; Regulation of Scholarships of the Foundation for Science and Technology, Regulation of Research Scholarships of the University of Beira Interior (RBIUBI).

#### **5. Place of Work:**

The work will be developed at the premises of the Department of Computer Science of the University of Beira Interior, Covilhã, Portugal, under the scientific guidance of Professor Pedro Inácio.

#### **6. Duration and activity regime**

The grant will last for 9 (nine) months, starting in November 2020.

The Research Grant awarded to masters enrolled in a course not conferring an academic degree can only be awarded to those who do not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of two years in this type of scholarship, followed or interpolated.

The activity will be carried out on an exclusive dedication basis, in accordance with the provisions of the Research Grants Regulation of Universidade da Beira Interior.

#### **7. Amount of the monthly maintenance allowance:**

The amount of the monthly maintenance allowance of the scholarship corresponds to 1064,00€ in accordance with Appendix I of the UBI Research Scholarship Regulation.

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.

## **8. Selection methods:**

The selection methods to be used will be composed by 2 evaluation phases, according to the following:

1<sup>st</sup> phase - Curricular evaluation

2<sup>nd</sup> phase – Interview, which can be performed via video-conference.

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

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

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

## **9. Composition of the Selection Jury:**

President: Pedro Ricardo Morais Inácio

Effective members: Hugo Pedro Martins Carriço Proença e Paulo André Pais Fazendeiro.

Substitute member: Maria Paula Prata de Sousa

## **10. Form of publication / notification of results:**

The results of the evaluation will be publicized through a list sorted by final grade obtained, posted in a visible and public place of the Faculty of Engineering of the University of Beira Interior, Covilhã, Portugal. All accepted candidate will be notified by email, and they may use the right of hearing of interested parties, under the terms provided for in the Code of Administrative Procedure.

## **11. Application form**

Applications must be formalized by sending an email of application, with the subject “Grant Master Aggregator 1”, accompanied by the following documents:

1. Cover letter explaining the interest in the position;
2. Curriculum vitae;
3. Copy of Certificate(s) of qualification with transcripts;
4. Citizen card or Passport details (validity, civil identification number, tax identification number);
5. Proof of enrollment in a Higher Education Institution in a cycle of studies conferring a PhD degree or proof of enrollment in a course not conferring an academic degree;
6. Other supporting documents considered relevant.

Applications that are incomplete or do not comply with the above instructions may not be evaluated.

## **12. Application deadline**

The call is open from 19/10/2020 to 24:00h of 30/10/2020.

Applications must be formalized, by sending an email of application to Doutor Pedro Inácio, Principal Investigator of the Project, with the subject “GRANT\_Master-Aggregator-1”, to email address [inacio@di.ubi.pt](mailto:inacio@di.ubi.pt).