29/06/2022

RECRUITMENT OF ONE RESEARCH ASSISTANT | Information and Communication Technologies

Where to apply

Application Deadline: 13/07/2022 23:00 - Europe/London

Contact Details

Where to send your application.

COMPANY
Faculty of Sciences of the University of Porto

WEBSITE
https://sigarra.up.pt/fcup/pt/cnt_cand_geral.concursos_list

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY
Faculty of Sciences of the University of Porto

DEPARTMENT
Department of Computer Science of the Faculty of Sciences of the University of

COUNTRY
Portugal

CITY
Porto

STREET

ORGANISATION TYPE
Higher Education Institute

WEBSITE
https://sigarra.up.pt/fcup/pt/web_page.inicial

ORGANISATION/COMPANY
Faculty of Sciences of the University of Porto

RESEARCH FIELD
Computer science

RESEARCHER PROFILE
First Stage Researcher (R1)

APPLICATION DEADLINE
13/07/2022 23:00 - Europe/London

LOCATION
Portugal › Porto

TYPE OF CONTRACT
Temporary

JOB STATUS
Full-time

HOURS PER WEEK
35

OFFER STARTING DATE
01/09/2022

REFERENCE NUMBER
POCI-01-0247-FEDER-041435 - SP1

OFFER DESCRIPTION

NOTICE OF THE OPENNING OF AN INTERNATIONAL CALL FOR RECRUITMENT OF ONE RESEARCH ASSISTANT

Call open for applications for a research contract (Master's Degree) within the framework of project "Safe Cities - Innovation for Building Urban Safety", with the reference POCI-01-0247-FEDER-041435, co-financed by the European Regional Development Fund (FEDER), through the Operational Program for Competitiveness and Internationalization (COMPETE 2020), under the PORTUGAL 2020 Partnership Agreement, under the following conditions:

Scientific Area: Information and Communication Technologies

Admission requirements:

• Holder of a degree of master's in computer science, networks and information systems engineering, electrical and computer engineering or related area.

• Have experience in communication networks (IP, Ethernet, 802.11). Knowledge on SDN, multicast and audio over IP will be valued.

If a foreign higher education institution has awarded the degree, it must comply with the provisions of the Decree-Law no. 66/2018, of August 16th, and any formalities established there must be fulfilled until the time of signing the contract.

The candidate, who is eligible for a contract, according to the final ordering of candidates, has a 10 working days non-extendable period from the notification of said ordering, to present all the documentation needed to sign the contract at the FCUP's human resources department.

Failure to comply with the provisions of the preceding paragraphs determines the exclusion from the contest.

Work plan: The work to be developed will consist of the comparison of different network frameworks with protocols for transporting audio controlled using SDN. The tests to be done will include statistics about the performance of the different frameworks, producing quantitative measures about the differences.

It will involve working with OpenFlow capable switches, configuring the controller, developing a mapping between QoS directives and OpenFlow primitives. The scalability will be tested using emulator and/or simulators for SDN.

Therefore, and following the project wherein, the tasks associated with the work plan are the ones defined in the project with the references:

SP1_A1_T1.1

SP1_A2_T2.2

SP1_A4_T4.1

SP1_A5_T5.3

SP1_A1_T1.2

SP1_A3_T3.2

SP1_A5_T5.1

SP1_A5_T5.4

SP1_A2_T2.1

SP1_A3_T3.3

SP1_A5_T5.2

SP8_A2_T2.1

The tasks can be adjusted depending on its feasibility in the project. All changes implying the grant holder´s work in other tasks will be submitted to prior approval of the funding authority – AICEP.

Applicable regulations for this call are:

Regulation No. 487/2020 of the Research, Science and Technology Staff of the University of Porto, published in the 2nd series of Diário da República on May 22, 2020.

Workplace: The work will be developed in the department of Computer Science of the Faculty of Sciences of the University of Porto (FCUP), under the scientific supervision of Professor Pedro Miguel Alves Brandão.

Contract duration: The present work contract is due to start on September of 2022 and will be maintained only for the period due to accomplish the tasks of the job description, under a full-time exclusive regime.

Remuneration: €1.721,55€ (first position of Full-time Research Assistant category, with remuneration level 3, according with the Regulation No. 487/2020 of the Research, Science and Technology Staff of the University of Porto, published in the 2nd series of Diário da República on May 22, 2020).

Selection procedure:

$$AC= I + II+III$$

1. Curriculum evaluation (AC) with the following criteria, evaluated in a 0 to 100 scale:

I. Master degree in the area (Computer Science, Networks and Information Systems Engineering, Electrical and Computer Engineering or similar) 35 points; Master degree in related area - 20 points;

II. Research experience in communication networks; (1 to 45 points according to duration and relevance to call).

III. Publications within the area of the call (1 to 20 points according to relevance to call).

2. Interview

After ordering the candidates based on the curriculum evaluation, the 4 highest placed candidates will be selected for an interview (E), evaluated in a 0 to 100 points' scale.

The final grade (CF) is computed by

$$CF= AC*90\%+E*10\%$$

Only applications of 70 or over are eligible for hiring.

Jury Elements:

President - Professor Pedro Miguel Alves Brandão – Assistant Professor– FCUP

1st efective member - Professor Doutor Luís Miguel Pinho de Almeida - Associate Professor - FEUP

2nd efective member - Professor Rui Pedro de Magalhães Claro Prior - Assistant Professor - FCUP

1st supplementary member - Professor Sérgio Armindo Lopes Crisóstomo - Assistant Professor - FCUP

2nd supplementary member - Professor Rolando da Silva Martins - Assistant Professor - FCUP

Advertisement/notification of final decision: Lists of admitted and excluded candidates, as well as the final rankings, will be published and advertised on the webpage of this call at the Faculty of Sciences of the University of Porto, and all candidates will be notified under the terms of the Code of Administrative Procedure.

Deadline for applications and form of presentation of the applications:

The applications must be exclusively submitted through the web page of this opening

(https://sigarra.up.pt/fcup/pt/cnt_cand_geral.concursos_list Nº 292), within 10 working days after publication in DR, at the attention of the Selection Committee, and shall include the following documents:

• Application;

• Copy of the MSc diploma or certificate;

• Detailed Curriculum vitae;

• Motivation letter;

• Brief description of the most relevant scientific activities for the last 5 years;

• Other documents deemed important by the candidate for the evaluation.

All candidates who s ubmit their applications in an improper manner or fail to fulfil the requirements established in this call are excluded from admission. In case of doubt, the Selection Committee is entitled to request any candidate to present further documentation to support their statements.

False statements provided by candidates are punishable by law.

The call is open from 30/06/2022 to 13/07/2022.

More Information

Map Information

Leaflet | Map data © Google

📍 Job Work Location ℹ️ Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Faculty of Sciences of the
University of Porto
Portugal
Porto
University of Porto – Pólo do
Campo Alegre

EURAXESS offer ID: 805955

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