

30/06/2021

Research grant

Where to apply

Application Deadline: 15/07/2021 23:00 - Europe/London

Contact Details

Where to send your application.

COMPANY

Universidade de Coimbra

E-MAIL

telmo.pinto@uc.pt

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY

Universidade de Coimbra

COUNTRY

Portugal

DEPARTMENT

Divisão de Projetos e Atividades (Bolsas)

CITY

Coimbra

ORGANISATION TYPE

Higher Education Institute

STREET

Rua Larga

WEBSITE

<https://www.uc.pt/administracao/dpa>

63%



Universidade de Coimbra

RESEARCH FIELD

Other

RESEARCHER PROFILE

First Stage Researcher (R1)

APPLICATION DEADLINE

15/07/2021 23:00 - Europe/London

LOCATION

Portugal › Coimbra

TYPE OF CONTRACT

Temporary

JOB STATUS

Full-time

HOURS PER WEEK

35

REFERENCE NUMBER

POCI-01-0247-FEDER-072638

OFFER DESCRIPTION

CALL FOR RESEARCH FELLOWSHIP

University of Coimbra opens a call for one research fellowship, in the framework of the project “WAREHOUSE OF THE FUTURE – mobile robot platform” (reference: POCI-01-0247-FEDER-072638), financed by the European Regional Development Fund (FEDER), through Portugal 2020 (PT2020), and by the Competitiveness and Internationalization Operational Programme (COMPETE 2020), and Lisbon Regional Operational Program in the following conditions:

Scientific area: Operations Research and Optimization.

Skills/Qualifications/Admission requirements: Master Degree Industrial Engineering and Management, Systems Engineering, Computer Engineering, Electrical Engineering and Computers or related area and enrolled in a PhD course or in a Non-Degree course .

Courses not conferring an academic degree” must be related to the research fellowship’s activity type.

Courses not conferring an academic degree” are the courses referred to in paragraph e) of number 3 of article 4 of Decree-Law no. 74/2006, of 24 March, in the current wording, provided that they are developed in association or cooperation between the higher education institution and one or more R&D units, in accordance with the provisions of paragraph e) of article 3 of the Regulation for Research Fellowships of the Fundação para a Ciência e a Tecnologia, I.P.

Although the recipients must be enrolled in a cycle of studies leading to the attribution of an academic degree or in a course not conferring an academic degree, at the time of application it is not necessary for the candidate to have made such an enrollment, and proof of enrollment must be presented until the fellowship is contractualized. Candidates are only required to meet the requirements to enroll in the training offer. If there are candidates already enrolled (including attending a course), they compete on an equal footing with those who are not enrolled.

Work plan/ Objectives: Development of operational research techniques according to the following general tasks:

1. Study and definition of efficient picking strategies and new concepts for the definition of picking areas, categorization, and clustering of different types of parts/components;



2. Study and development of new concepts and models for planning and scheduling picking orders and for routing
3. Study and development of operational research techniques (mathematical and/or meta-heuristic programming models and/or hybridization and optimization-simulation strategies) in order to support large-scale instances
4. Development of datasets based on the information and statistical data of the picking activity
5. Writing of 2 scientific papers with the potential to be published in international journals

Regime: The attribution of the fellowship does not generate or entitle a relation of a legal-labour nature, and the fellowship is undertaken in an exclusive dedication regime. The fellowship holder is awarded the Fellowship Statute of the UC, in its current wording, according to the Research Fellowship Holder Statute , and according to the Regulation for Research Fellowships of the Fundação para a Ciência e a Tecnologia, I.P., both in their current wording.

Location: Mechanical Engineering Department at the University of Coimbra.

Duration: 6 months.

Renewal: Eventually renewable for periods of 6 months until the end of the project.

Scientific orientation: Professor Cristóvão Silva and Professor Telmo Pinto.

Financial conditions: The amount of the fellowship is € 1.104,64 corresponding to the monthly compensation stipulated in the FCT table (<https://www.fct.pt/apoios/bolsas/valores.phtml.en>), plus social security (Seguro Social Voluntário, first level contributions) and personal accidents insurance. The payment will be made by bank transfer. This amount will not be increased during the entire period of the fellowship duration.

Selection methods: Curricular Evaluation (100%).

Selection criteria: In the curriculum evaluation, the following parameters will be considered:

- Qualifications/skills demonstrated in the Curriculum Vitae - 40%
- Proven frequency and classification in curricular units related to the theme - 30%
- Motivation letter - 30%

In the event that the Jury consider that any candidate has the appropriate profile for the execution of the work plan, or if any candidate obtains 50 points (0-100 grading scale) in the evaluation, the Jury reserves the right to close the competition without any recruitment.

Preference will be given to candidates with:

- Solid knowledge of operational research and optimization
- Domain of the use of optimization solvers and programming language



- Proficiency in the written and spoken English language.

Jury responsible for selection: Professora Aldora Gabriela Gomes Fernandes; Professor Cristóvão Silva; Professor Joaquim Norberto Cardoso Pires da Silva e Professor Telmo Miguel Pires Pinto.

Formalization of application: Applications must be formalized mandatorily by sending the:

- (1) motivation letter;
- (2) curriculum vitae;
- (3) recommendation letters (optional);
- (4) certificate(s) of qualifications designating the curricular units and respective classifications;
- (5) Copy of the proof of enrolment in a PhD Course or in a Non-Degree Course at the University of Coimbra.

Declaration on the honor of the candidate(s) with the indication of the fellowship(s) of the typology to which the contest was held and the respective duration(s).

Applicants with academic degrees obtained abroad will be required to present a Certificate of Recognition in accordance with applicable law. This document is mandatory only in the contractualization phase.

Applications submission: Applications must be sent by email to the following addresses: telmo.pinto@uc.pt and crisovao.silva@dem.uc.pt .

Submission of applications: Between 02/07/2021 and 15/07/2021.

Submission deadline date: 15/07/2021.

More Information

ADDITIONAL INFORMATION

Web site for additional job details

https://www.uc.pt/administracao/dpa/bolsas/editais/BI_740291_CC

REQUIREMENTS

Offer Requirements



Skills/Qualifications

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Specific Requirements

Master Degree Industrial Engineering and Management, Systems Engineering, Computer Engineering, Electrical Engineering and Computers or related area and enrolled in a PhD course or in a Non-Degree course .

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Map Information



 Job Work Location  Personal Assistance locations

WORK LOCATION(S)

1 position(s) available at
Universidade de Coimbra
Portugal
Coimbra

EURAXESS offer ID: 658729

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