



If you are a researcher planning your next move in Europe look here for career opportunities in Portugal and to find relevant information and assistance



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## Post Research Opportunities

Unique identifier: b30fed3e-a8f4-4ab5-aa04-22688c8a4b7d

English

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### 1. Descrição do cargo/posição/bolsa

#### 1. Job description

**Job:**

Research Grant (BI) for Master

**Job/Fellowship Reference:** AgriBotics-BI-Mestre-ISRUC-2

**Main research field:** Engineering

**Sub research field:** Electronic engineering

**Job summary:**

CALL FOR MASTER RESEARCH GRANT UNDER THE IC&DT AgriBotics (ISR-UC) PROJECT

Research Grant (BI)

Reference: **AgriBotics-BI-Mestre-ISRUC-2**

Application Period: **28<sup>th</sup> December 2020 to 17<sup>th</sup> January 2021**

**Job description:**

The Institute of Systems and Robotics - University of Coimbra (ISR-UC) opens a tender (scholarship) for the award of one (1) Research Grant (BI) for Master in the framework of the Scientific Research and Technological Development Project (IC&DT) AgriBotics - "Remote Sensing and Machine Learning for Agriculture Robotics", with the reference AgriBotics-ISRUC, with financial support from FCT / MCTES through national funds, fully financed by UIDB / 0048/2020

**Scientific Area:** Electrical and Computer Engineering, Computer Engineering, Physical Engineering, Physics, Mathematics, Biomedical Engineering, or related courses.

**Admission Requirements:** PhD students or, alternatively, master students enrolled in non-degree course may apply. Candidates must have a degree in Electrical and Computer Engineering, Computer Engineering, Physical Engineering, Physics, Mathematics, Biomedical Engineering, or similar areas may apply.

Candidates should have good knowledge of Matlab and/or Python programming. Skills and know-how in Machine learning are desirable, as well as good spoken and written English skills.

**Work Plan:** Research and development activities will be carried out in the areas:

- machine learning (eg, CNNs, probabilistic inference)
- field robotics

The work plan's tasks are related to robotic perception and satellite/drone imagery processing for precision agriculture (eg, Vineyards). This project has the collaboration of the SME Ingeniarius, Lda.

**Amount of monthly maintenance allowance:** The amount of the scholarship corresponds to 1074,64 €, according to the table of values of the scholarships awarded directly by FCT, I.P. in the Country - <http://www.fct.pt/apoios/bolsas/valores> and (<https://www.fct.pt/apoios/bolsas/regulamento.phtml>).

**Scholarship duration:** The scholarship will last for 6 months, with the possibility of renewal during the duration of the respective project, which is scheduled to end on 31<sup>st</sup> December 2021 according to the grantee's performance, on an exclusive basis, according to FCT's advanced human resources training regulation.

**Formalization of applications:** Applications should be sent in pdf format to the following email addresses, lara@isr.uc.pt and cpremebida@isr.uc.pt, putting in the subject of the email: **AgriBotics-BI-Mestre-ISRUC-2**. The following documentation must be submitted: (1) Curriculum Vitae (CV), (2) certificate of qualifications including breakdown of the grades obtained in the subjects of the respective course and final grade, and (3) letter of motivation.

The CV should include: (i) contact information, (ii) academic, (iii) list of scientific publications, (iv) main projects where the applicant has participated, (v) other information considered relevant. Applicants with foreign academic degrees must present Certificate of Recognition in accordance with applicable law.

**Deadline for application:** The submission is open from **28<sup>th</sup> December 2020 to 17th January 2021**.

**Workplace:** The work will be developed at the facilities of the Institute of Systems and Robotics - Coimbra (ISR-Coimbra), under the scientific supervision of Prof. Cristiano Premebida, Prof. Micael Couceiro and Prof. Lino Marques.

**Selection methods:** The selection method comprises: CV evaluation, with a value of 50% for academic qualifications and 50% for the degree of satisfaction of knowledge and experience requirements for the project. If the Jury deems it necessary, an interview may be held with the candidates placed in the first three positions according to the ordering resulting from the previous criteria. In this case, the final score will include the curriculum assessment (as described above), valued at 80%, and the interview, valued at 20%. If none of the candidates has the appropriate profile (overall assessment below 60%), the scholarship will not be awarded.

**Selection Jury Composition:** President: Prof. Cristiano Premebida, Members: Prof. Micael Couceiro; Prof. Lino Marques.

**Applicable Legislation and Regulations:** Scientific Research Grant Holder Statute, approved by Law No. 40/2004 of August 18, amended and republished by Decree-Law No. 202/2012 of August 27, by Decree-Law No. 89/2013 of 9 July, by Decree-Law No. 233/2012 of October 29, and by Law No. 12/2013 of January 29, and amended by Decree-Law No. 123/2019 of August 28, as amended (<https://www.fct.pt/apoios/bolsas/estatutobolseiro>) and FCT, I. P Research Fellowship Regulation, in force (<https://www.fct.pt/apoios/bolsas/regulamento.phtml>).

**Form of publicity / notification of results:** The results of the evaluation will be publicized, through a list ordered by final grade obtained, and the candidates will be notified via email.

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**Vacant posts:** 1

**Type of contract:** Temporary

**Job country:** Portugal

**Job city:** Coimbra

**Job company/institute:** ISR

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**Application deadline:** 17 Janeiro 2021

*(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:** Instituto de Sistemas e Robótica (ISR)- Pólo de Coimbra  
Universidade de Coimbra

**Address:**  
Universidade de Coimbra - Polo II  
Coimbra - 3030-290 COIMBRA  
Portugal

**Email:** [gpires@isr.uc.pt](mailto:gpires@isr.uc.pt),

**Website:** <http://www.isr.uc.pt/>

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## 3. Habilitações académicas

### 3. Required education Level

Empty

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**4. Línguas exigidas**  
4. Required languages

Empty

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**5. Experiência exigida em investigação**  
5. Required research experience

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