

NOTICE

ANNOUNCEMENT FOR THE ASSIGNMENT OF A POST-DOCTORAL RESEARCH FELLOWSHIP (BIPD)

A call for tender for the award of 1 (one) Post-Doctoral Research Grant (BIPD) is open, under the scope of UI0308 (UIDB / 00308/2020), from the Institute of Systems and Computer Engineering of Coimbra (INESC Coimbra), BIPD Ref^a UI0308- BIPD.1/2020, with financial support from FCT / MCTES through national funds (PIDDAC), under the following conditions:

Scientific Area: Geospatial Engineering or related areas

Admission requirements: 1) Holders of a PhD in one of the following areas: Geospatial Engineering or related area, completed in the last 3 years in a different institution from the University of Coimbra; 2) Research experience in the automatic extraction of information from aerial or satellite images; 3) Experience in writing, submitting and publishing scientific articles; 4) Good knowledge of spoken and written English; 5) Strong motivation to work in a team; 6) Immediate availability.

Note: candidates who do not meet the above admission requirements will be excluded. In addition, the applicant must cumulatively comply with the following requirements [article 7 of the FCT Research Fellowship Regulation (Regulation no. 950/2019, on 16 December)]:

- The doctoral degree has been obtained in the three years prior to the date of submission of the application to the scholarship. If the doctorate has been awarded by a foreign higher education institution, it needs registration by a Portuguese institution in accordance with Decree-Law no. 66/2018, of 16 August and Ordinance no. 33/2019, of 25 January. The presentation of the certificate is mandatory for signing the contract. More information can be obtained at: <https://www.dges.gov.pt/pt/pagina/reconhecimento?plid=374>.
- Post-doctoral research is carried out in a host organization other than the one where the research work that led to the award of the doctoral degree was developed.
- The fellow does not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of three years in this type of scholarship, consecutive or interpolated.

Work plan: The work plan includes the following tasks:

- Development and optimization of automated methodologies, using artificial intelligence, for the extraction of geospatial information from images collected by satellites;
- Development and validation of methodologies for identifying changes in geospatial information and creating alerts according to the needs of the practical applications to which they apply.
- Support for R&D projects in the area of geospatial information and the preparation of applications for research projects with national and international funding.

Applicable legislation and regulation: Statute of the Scientific Research Fellow, approved by Law n^o 40/2004 of August 18, amended and republished by Decree-Law n^o 202/2012 of August 27, by Decree-Law n^o 89/2013 of 9 of 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 Scholarship Regulation, in force (<https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>).

Workplace: The work will be developed within the scope of the activities of the Institute of Systems and Computer Engineering of Coimbra (INESC Coimbra), under the scientific guidance of Prof. Dr. Cidália Maria Parreira Costa Fonte. The workplace is the Department of Mathematics, Faculty of Science and Technology, University of Coimbra.

Duration of the scholarship: The scholarship will have a duration of 12 months, starting in November 2020. The scholarship contract may be renewed for periods of 12 months, up to a maximum of 36 months, on an exclusive basis, according to the regulation of advanced training of human resources at FCT and the regulation of INESC COIMBRA research grants.

Amount of monthly maintenance allowance: The amount of the scholarships corresponds to €1600.00, according to the table of scholarship values directly attributed by FCT, I.P. in the country (<https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>). The payment method will be by bank transfer, to the account to be designated by the fellow. To this value may be added the voluntary social insurance, corresponding to the first level, as well as personal accident insurance, if the candidate chooses to adhere to these. The value of the scholarship will not increase over the entire period of its duration.

Assessment and selection methods: The assessment takes into account the candidate's merit, previous experience and the framework of his interests in the area of work of the scholarship. The selection methods will be the following: curriculum evaluation, with a 40% rating, previous experience in research and publication of scientific papers in the areas of the work plan, with a weighting of 40%, motivation and framing of your interests in the work areas of the scholarship, with a weight of 20%. If the Jury deems it necessary, an interview can be conducted to the candidates placed in the first four positions, according to the ranking resulting from the previous criteria. In this case, the final score will include the documentary evaluation (as described above), with a 75% rating, and the interview, with a 25% rating.

Composition of the Selection Jury:

President: Professor Dr. Cidália Maria Parreira da Costa Fonte

Members: Professor Dr. Gil Rito Gonçalves

Professor Dr. Jacinto Paulo Simões Estima

Alternate Members: Professor Dr. José Paulo Elvas Duarte de Almeida

Formalization of applications: Applications must be formalized through the mandatory sending, by e-mail, of: Letter of motivation, where the applicant must mention if he / she has immediate availability to start the scholarship; Curriculum Vitae, with description of qualifications; qualification certificate; and other supporting documents deemed relevant.

Form of publicity / notification of the results: The final results of the evaluation will be publicized, through a list ordered by final grade obtained, posted in a visible and public place of the Institute of Systems and Computer Engineering of Coimbra (INESC Coimbra), being the approved candidates notified via email.

Application deadline: The competition is open from 26 from September to 12 October 2020.

Submission of applications: Applications must be sent by email to secretaria2@inescc.pt (indicating in the subject: BIPD Ref^a UI0308- BIPD.1/2020)