
JUNIOR RESEARCHER POSITION (OPEN CALL)

For the full text, please consult the **Public Notice** at

http://www.uc.pt/drh/rm/pconcurrais/Investigadores/A_decorrer/Investigadores_Doutorados_DL_57_2016/IT057-18-7537

I. Reference, Place of Work and Monthly Wage

I.1 Public tender reference: IT057-18-7537 , open from **28/11/2018** to **11/12/2018** (10 working days)

I.2. Place of Work: University of Coimbra, Faculty of Sciences and Technology - Center for Earth and Space Research of the University of Coimbra (CITEUC), Coimbra, Portugal

Project: PTDC/CTA-GEO/31744/2017 *MAG-GIC: Geomagnetically induced currents in Portugal mainland*

I.3. Job description: The PhD researcher will be a key element in the MAG-GIC team, to produce a chart of GIC (geomagnetically induced currents) risk hazard in the Portuguese electric power transmission network. She/He shall implement calculations for i) network admittance matrix; ii) chart of induced electric field; iii) GICs estimation in the network of substations; iv) estimation of GICs induced by extreme events. Besides, the researcher shall contribute to the modeling of ionospheric equivalent currents for GIC sources and separation of contributions due to different external currents. The researcher shall collaborate with scientists, engineers and technical staff and participate in the supervision of the work of grant holders of the project. Finally, she/he shall present her/his work in international conferences and participate actively in the writing of manuscripts to submit to journals indexed in SCOPUS and in other disseminating events for the project.

I.4. Gross monthly wage: € 2128,34, corresponding to level 33 of the single remuneration table (...)

I.5. Contract length: three-year contract, which may be renewed for periods of one year up to a maximum of 6 years (...)

II. Admission Requirements

Field: Exact and Natural Sciences, Earth Sciences and Environmental Sciences

Scientific Domain: Geomagnetism, Space Weather

II.1. Applicants shall be at least 18 years of age or older, not be inhibited to holding a job in the public sector nor forbidden to perform the intended position; applicants shall also be in good health and possess the psychological profile required for the job and shall meet the compulsory vaccination requirements. (...)

II.2. At the time of application, applicants shall hold a Ph.D. in the above-mentioned scientific area(s) or in a correlated one, in which case the applicant's scientific background shall demonstrate the ability to thoroughly develop work in the main field(s) of the tender.

II.3. Applicants who are non-native speakers of either Portuguese or English shall attest their proficiency at level C1 of the Common European Framework of Reference for Languages (CEFR) in, at least, one of those languages.

III. Application

III.1. Submission: Each candidate shall submit a copy both in paper and in portable document format (pdf) of the documents listed from III.1.1 to III.1.3; documents from III.1.4. to III.1.6. should be submitted only in digital format. (...)

III.1.1. Formal request with the following mandatory information:

a. Identification of the post to which the candidate is applying (level or category and scientific area(s)), mentioning this tender's reference number indicated above (I.1);

b. Full name and address;

c. E-mail and phone number(s), to be used in future communications and notifications within this tender, in addition to notification by Public Notice;

d. Statement under oath attesting the compliance of the candidate with the general requirements for recruitment within public administration, as defined above (II.1);

e. Candidates officially residing at more than 500 km from Coimbra may request their interview, if applicable, to be held by teleconference;

f. Statement under oath by non-native speakers of Portuguese or English, attesting their language proficiency as required above (II.3);

g. Candidates may request, if they so wish, that the period considered for the evaluation of their background, which is usually the last 5 years, be extended by the committee, on the grounds of suspension of activities for socially protected reasons, such as parental leave, prolonged illness and other legally established situations. In this case, applicants shall indicate the period of time that is to be assessed and provide supporting documents;

h. Statement under oath by candidates with disabilities indicating the type and degree of disability and the means of communication to be used in the process of selection (...);

i. Statement under oath attesting the authenticity of all the information and documents provided in the application, without prejudice of making proof upon request;

III.1.2. Curriculum Vitae duly dated and signed, referring to the last five years or to the extended period to which the candidate is entitled if so requested and justified in accordance with paragraph g. of the previous section. (...)

III.1.3. Copy of qualification certificates. On penalty of exclusion, candidates with qualifications obtained abroad shall make proof that their Ph.D. was recognized pursuant to Decree-Law no. 283/83, of 21 June, or otherwise registered under Decree-Law no. 341/2007, of 12 October, or provide evidence that they have requested this, until the end of the application process.

III.1.4. Separate copy of the 3 to 6 of the candidates' most relevant works/papers that have contributed to the development of the scientific area(s) for which this tender is open.

III.1.5. Copy of all works/papers mentioned in the Curriculum Vitae.

III.1.6. Any other information considered relevant by the candidate.

III.2. Language: All application documents in III.1 shall be submitted in either Portuguese or English, excepted those mentioned in III.1.5 and III.1.6, which may be submitted in a different language. If the original documents mentioned in III.1.3 and III.1.4 are written in a language other than Portuguese or English, candidates are required to include a version in one of those languages. It is not necessary to provide translations of diplomas in Latin.

III.3. Place: In person, at the Human Resources Management Service of the University of Coimbra, during the working hours (available at <http://www.uc.pt/drh/contactos>) or sent by registered post mail to Administração da Universidade de Coimbra - Serviço de Gestão de Recursos Humanos da Universidade de Coimbra, Edifício da Faculdade

de Medicina, Rua Larga, 3004-504 Coimbra, Portugal, mentioning the tender reference above (I.1).

III.4. Applications that do not comply with the instructions or that fail to meet the tender's formal requirements (...) shall not be accepted. If the required documents or papers are submitted outside the established timeframe, the application will not be accepted.

III.5. The present tender ends when the positions are filled or when they cannot be filled due to lack or insufficiency of candidates.

IV. Selection methods and criteria

IV.1. Selection Methods: Assessment of scientific background and CV [ABC (90%)] and Interview [I (10%)].

IV.2. In the assessment of the candidate's background and CV, scientific performance and outreach and management activities are taken into account, in accordance with the criteria mentioned below:

IV.2.1. Scientific performance of the candidate in the research area(s) for which the tender is open, in the last five years or the extended period requested, if accepted by the committee, with a weight of **80%** (...)

IV.2.2. Outreach and management activities in the last five years in the area(s) for which this tender is open, with a weight of **20%** (...)

IV.3. The assessment of the candidate's background and CV is (...) graded on a scale of 0 to 20 points.

IV.4. The assessment of the interview is graded on a scale of 0 to 20 points (...) The interview is open to the public.

IV.5. All the candidates complying with the application requirements are subject to the background and CV assessment. (...) Only the first 4 candidates with the best resulting scores will be called for the interview.

IV.6. Candidates who obtain a score under 9.5 points in one of the selection methods will be excluded from the tender procedure (...). Candidates who fail to appear, who desist or who, although approved, were not included in the lots used, will also be excluded from the tender.

IV.7. The final score (FS) is expressed in a scale of 0 to 20 points, calculated to the hundredths, based on the following formula:

$$FS = (ABC \times 90\%) + (I \times 10\%)$$

V. Selection Process

Please, consult full Public Notice at
http://www.uc.pt/drh/rm/pconcurais/Investigadores/A_decorrer/Investigadores_Doutorados_DL_57_2016/IT057-18-7537

VI. Tender timetable and notification of candidates

VI.1. The tender timetable will be available on the official website of the University of Coimbra (http://www.uc.pt/drh/rm/pconcurais/Investigadores/A_decorrer/Investigadores_Doutorados_DL_57_2016/IT057-18-7537) until the end of the application period. (...)

VI.2. If any of the terms established in the timetable of the tender procedure cannot be met, an updated timetable will be published replacing the previous one. (...)

VI.3. Notifications by public notice under the terms of **VI.1** herein shall be published on the official website of the University of Coimbra (http://www.uc.pt/drh/rm/pconcurais/Investigadores/A_decorrer/Investigadores_Doutorados_DL_57_2016/IT057-18-7537) (...)

VI.4. The entire tender records may be consulted by candidates, upon previous appointment, at the address mentioned under **III.3** herein, during the established working hours (more information at <http://www.uc.pt/drh/contactos>).

VII – Selection Committee:

Chair:

Maria Alexandra Albuquerque Faria Pais, Senior Lecturer, Physics Department, Faculty of Sciences and Technology, University of Coimbra;

Committee members:

João Manuel de Morais Barros Fernandes, Senior Lecturer w/ 'Agregação', Department of Mathematics, Faculty of Sciences and Technology, University of Coimbra;

Fernando Carlos da Silva Coelho Lopes, Senior Lecturer, Department of Earth Sciences, Faculty of Sciences and Technology, University of Coimbra;

Pedro Almeida Vieira Alberto, Senior Lecturer w/ 'Agregação', Physics Department, Faculty of Sciences and Technology, University of Coimbra.

(...)

Decree-Laws and regulations

- Applicable law: Decree-Law No. 57/2016, of August 29 (https://dre.pt/home/-/dre/75216371/details/maximized?p_auth=OZ8cvHjz), the regulations for hiring PhD holders to stimulate scientific and technological employment in all areas of knowledge, with the amendments introduced by Law No. 57/2017, dated July 19, also taking into account the provisions of Regulatory Decree No. 11-A/2017, of December 29 (<https://dre.pt/pesquisa/-/search/114436484/details/maximized?res=en>); Portuguese Labour Code, approved by Law No. 7/2009, of February 12 (<https://dre.pt/pesquisa/-/search/602073/details/maximized>), in its current wording.

- Equivalence, recognition or registration of a doctoral degree awarded by a foreign higher education institution: regulated by Decree-Law No. 341/2007, of October 12 (<https://dre.pt/pesquisa/-/search/641418/details/maximized>), and by Administrative Rule No. 227/2017 (<https://www.dges.gov.pt/en/pagina/administrative-rule-no-2272017-july-25>), of July 25, and should be obtained up to the last day of the competition opening period. See also, (<http://www.dges.gov.pt/pt/pagina/listagem-de-reconhecimentos-academicos-de-diplomas-estrangeiros-dl-341?plid=374>).

Contacts

Address:

Edifício da Faculdade de Medicina, 1.º andar, Pólo I, Rua Larga
Coimbra - 3004-504
Portugal

Email: sgrh@uc.pt

Website: http://www.uc.pt/drh/rm/pconcurrais/Investigadores/A_decorrer/Investigadores_Doutorados_DL_57_2016/IT057-18-7537
