

**ANNOUNCEMENT FOR THE OPENING OF AN INTERNATIONAL SELECTION TENDER PROCEDURE
FOR THE HIRING OF ONE DOCTORATE UNDER THE LEGAL REGIME OF SCIENTIFIC EMPLOYMENT**

Ref. CTTI-70/20-CMAT(1)

1. Doctor Rui Manuel Costa Vieira de Castro, Professor and Rector of Universidade do Minho, in the use of own competence, in accordance with the provisions of subsection d) of section 1 of article 92 of Law no. 62/2007, from 10 September and subsection d) of section 1 of article 37 of the Statutes of the University of Minho, approved by Normative Order no. 13/2017, published in the Diário da República, 2nd series, no. 183, of 21 of September, makes it known that, for a period of fifteen business days from the business day immediately after the date on which this announcement is publicized, an international selection tender is open for recruitment in the form of an uncertain term contract concluded under the Labour Code, of 1 (one) doctoral position, effective until the end of the Strategic Project UIDP/00013/2020, funded by FCT and developed within the scope of the Centre of Mathematics of the University of Minho (CMAT), for the exercise of scientific research activities in the scientific area of Mathematics, with a view to the development of research activities in one of the fields: Algebraic Topology; Differential Equations; Linear Algebra; Logic; Riemannian Geometry and Relativity.
2. **Applicable Legislation:** This tender shall be governed by the Decree No. 57/2016, of 29th of August, amended by Law No. 57/2017 of 19 July, which approved a regime of hiring of doctorates to stimulate scientific and technological employment in all areas of knowledge (RJEC), by Labour Code, approved Law no. 7/2009, of February 12, under its current version and other applicable laws and regulations.
3. **Place of Work:** Centre of Mathematics of the School of Sciences of the University of Minho, *Campus* de Gualtar, in Braga, or *Campus* de Azurém, in Guimarães.
4. **Monthly salary:** The remuneration to be attributed is that provided in the article 5 of Regulatory Decree No.11-A/2017, of December 29, corresponding to the remuneration level 33 of the TRU, of 2.134,73 Euros.
5. **Eligibility Criteria:** Any national, foreign and stateless candidate(s) who hold a doctoral degree in Mathematics or other related scientific area and holders of a scientific and professional curriculum whose profile is suitable to the development of research activities in the Centre of Mathematics of the University of Minho can submit their application
 - 5.1. General admission requirements are those defined in point 5. For the purpose of determining the profile appropriate to the activity to be developed, the following requirements are:
 - a) Degree completed at most 5 years ago;
 - b) Proven experience of research activities in one of the fields of the tender, namely: Algebraic Topology; Differential Equations; Linear Algebra; Logic; Riemannian Geometry and Relativity.
6. **Formalization of the applications:** The applications are formalized through an application addressed to the Rector of the University of Minho, under the terms defined in the attached template.
 - 6.1. The application shall be accompanied by documents proving the conditions laid down in points 5 and 10:
 - a) Copy of certificate or degree diploma;
 - b) Detailed *curriculum vitae* structured according to the items in point 10;
 - c) Proof of professional experience (if applicable);
 - d) Motivation Letter;
 - e) Two Letters of Recommendation;
 - f) Copy of at most 3 publications selected by the candidate;
 - g) Summary of a Research Project (maximum 2 A4 pages) which fits into the research activities developed by the Centre of Mathematics of the University of Minho, involving at least one of the fields of the tender: Algebraic Topology; Differential Equations; Linear Algebra; Logic; Riemannian Geometry and Relativity;
 - h) Other relevant documents for the evaluation of the qualification in related scientific area;
 - i) Any other documents that the applicant considers relevant, namely for the assessment of the information referred to in section 2 of article 5 of the RJEC.

- 6.2. The candidates submit the application and supporting documents, in PDF format, obligatorily, by electronic means, to the address candidaturas@cmat.uminho.pt, by the deadline for submission of applications defined in this notice, indicating in "Subject" the "Ref. CTTI-70/20-CMAT(1)". Letters of recommendation must be sent directly by their editors, to the same electronic address and by the same deadline, indicating in the subject, in addition to the "Ref. CTTI -70/20-CMAT(1)", the candidate's name.
- 6.3. False statements provided by the candidates shall be punished by law.
7. **Members of the Jury:** The selection jury, approved at the meeting of the Scientific Council of 22/06/2020, has the following composition, according to article 13 of the RJEC:
- a) Chairman: Luís Filipe Ribeiro Pinto, *Professor Associado* of the Department of Mathematics of the School of Sciences of the University of Minho;
 - b) Effective Member: Maria Piedade Machado Ramos, *Professora Associada* of the Department of Mathematics of the School of Sciences of the University of Minho;
 - c) Effective Member: Thomas Walter Kahl, *Professor Auxiliar* of the Department of Mathematics of the School of Sciences of the University of Minho;
 - d) Substitute Member: José Pedro Miranda Mourão Patrício, *Professor Auxiliar* of the Department of Mathematics of the School of Sciences of the University of Minho;
 - e) Substitute Member: José Joaquim Martins Oliveira, *Professor Auxiliar* of the Department of Mathematics of the School of Sciences of the University of Minho.
8. **Rules of operation of the Jury:** The jury shall deliberate by means of a nominal vote based on the selection criteria adopted and published, and abstentions shall not be allowed.
- 8.1. The jury meetings will be documented in written minutes, containing a summary of what has taken place, as well as the votes cast by each of the members and their reasons, being provided to the candidates whenever requested.
9. **Admission and exclusion:** Candidates who formalize their application incorrectly or who do not prove the admission requirements required in points 5 and 5.1 are excluded from admission to the competition of this invitation to tender. The jury has the power to require any candidate, in case of doubt, to present documents proving their statements.
- 9.1. The exclusion decision shall be notified to the applicants by email for preliminary hearing to the interested parties.
 - 9.2. After the deadline for the exercise of the right of hearing of the interested parties, the jury appreciates the allegations offered and, if it maintains the exclusion decision, notifies the excluded candidates by email with delivery receipt, beginning the application of the selection methods to admitted candidates.
10. **Method and evaluation criteria:** The selection method is the Scientific and Curricular Trajectory Assessment and the Interview.
- 10.1. The evaluation of the scientific and curricular trajectory focuses on relevance, quality and timeliness:
 - a) Of the academic training;
 - b) Of the scientific production, especially over the last five years;
 - c) Of the research activities of greatest impact developed by the candidate, especially over the last five years;
 - d) Of the activities of extension and dissemination of knowledge developed by the candidate, namely in the context of the promotion of culture and scientific practices.
 - 10.2. The period of five years referred to in the preceding paragraph may be increased by the jury, at the request of the candidate, when justified on grounds of suspension of scientific activity for socially protected reasons, namely for reasons of parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.
 - 10.3. **Scientific and Curricular Trajectory Assessment (APCC):** The following parameters and evaluation criteria are considered, with the classification of the APCC obtained by the following formula:

$$\mathbf{APCC = 0,35 PC + 0,20 AI + 0,10 CM + 0,10 CR+ 0,25 PI}$$

where each of the parameters is expressed in the numerical scale of 0 to 5 values.

PC – Scientific Production: the evaluation of this criteria is based upon the quality and the quantity of the publications in the fields of the tender and indexed in one of the following databases: *MathSciNet*, *Scopus*, *Thompson Reuters Web of Knowledge* ou *Zentralblat*.

AI – Evaluation of the research activities in the fields of the tender. This parameter includes: (i) obtained scientific prizes; (ii) obtained individual scholarships or participation in R&D projects; (iii) delivery of talks at scientific meetings; (iv) publications not covered in parameter PC; (v) refereeing of scientific works; (vi) development of scientific software in the fields of the tender; (vii) teaching activities at Ph.D. level.

CM – Motivation Letter with a reflection on the relevance of the activities developed by the candidate for the present tender and on their adequacy to the CMAT's research objectives.

CR – Evaluation of the recognition expressed by the Letters of Recommendation.

PI – Research Project evaluated by the presentation of a summary of a research project in the fields of the tender and by the assessment of its adequacy to the research objectives of the CMAT.

- 10.4. The classification of each candidate is obtained by the average of the classifications of each one of the elements of the jury. In the event of a tie, the decision of the tiebreaker shall rest with the chairman of the jury.
- 10.5. Candidates who score less than 4,5 points in the Scientific and Curricular Trajectory Assessment (APCC) are considered immediately excluded.
- 10.6. For candidates with a Scientific and Curricular Trajectory Assessment (APCC) equal to or greater than 4,5 points, the evaluation process includes an Interview. The interview will have a weight of 10% in the final classification and will be classified in a scale of 0 to 5 values, in order to obtain explanations about the curricular elements and additional information, as well as to evaluate the attitude profile and the motivation of the candidate.
- 10.7. In the Interview (ENT), to be carried out by videoconference with a duration of 15 minutes, the following parameters and evaluation criteria will be applied: global assessment of the candidate and his motivation to join the CMAT (AGM) and assessment of the defence of the work plan (ADP), represented in the formula $ENT = 0,5 AGM + 0,5 ADP$, expressed in the numerical scale of 0 to 5 values.
- 10.8. Candidates who score less than 4,5 points in the weighted average between APCC (90%) and ENT (10%) will be excluded after this phase.
- 10.9. The classification of each candidate is obtained by the average of the classifications of each one of the members of the jury. In the event of a tie, the decision of the tiebreaker shall rest with the chairman of the jury.
11. **Order of candidates:** The order of the candidates must be based on the evaluation made according to the evaluation criteria contained in this announcement.
 - 11.1. After completion of the application of the evaluation criteria, the jury will draw up an orderly list of successful candidates with their classification.
 - 11.2. The final classification of the candidates is expressed in the numerical scale of 0 to 5 values, being the classification obtained through the weighted average.
12. **Participation of interested parties and decision:** The final ordering project is notified to the candidates, by email with receipt of delivery of the notification, to pronounce for the purpose of preliminary hearing to the interested parties, pursuant to article 121 and following of the Code of Administrative Procedure.
 - 12.1. At the hearing of the interested parties, the jury appreciates the allegations offered and approves the final ordering list of the successful candidates. Within 90 days, from the deadline for submission of applications, the final decisions of the jury are given.
 - 12.2. The final decision of the jury is approved by the Rector of the Universidade do Minho that also decides on the hiring.
13. **Publication of results:** The list of admitted and excluded candidates, as well as the final ranking list of the successful candidates are publicized on the University of Minho's website, and the candidates are notified by email with receipt of delivery of the notification.
14. The present tender is exclusively destined to fill the indicated vacancies and may be terminated until the homologation of the final ranking list of candidates and expires with the respective occupation of the jobs on offer.

15. The present announcement was approved by the jury of the tender at its meeting on 07-09-2020, according to the minutes of the meeting approved therein.

16. **Non-discrimination and equal access policy:** The University of Minho actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, beneficiary, disadvantaged or private of any right or exemption from any duty owing, in particular, to ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.

16.1. Pursuant to section h) of article 9 of the Constitution of the Portuguese Republic, the Public Administration, as an employer, actively promotes a policy of equal opportunities for men and women in accessing employment and professional advancement, scrupulously any form of discrimination.

17. The selection of the candidates to be hired will be conditional, with the corresponding labour contracts being executed depending on the availability of the budget and corresponding funding under the aforementioned legislation and the regulations and rules established by the Foundation for Science and Technology (FCT).

The Rector, Professor Doctor Rui Vieira de Castro

ANNEX

APPLICATION

Dear Rector of Universidade do Minho

Name (...), birthdate (...), VAT N°. (...), identification card no. (...), address (...), Postal code (...), Mobile Phone no. (...), email address (...), literary abilities (...), hereby requests that you kindly accept my application for the international competition for recruitment in the form of an uncertain term contract under the Labor Code and Decree-Law No. 57/2016 of 29 August, as amended by Law no. 57/2017, of 19 July, of ## doctoral positions in the scientific areas of "###", according to a notice published in the Diário da República no. __, 2nd series, of __/__/__, with Ref. CTTI-##/##-###Profile ##.

Further declares that it agrees to receive by email the communications and notifications resulting from the present selection tender procedure.

Find attached the following documents: xxx

(Place and date)

(Signature)