

UNIVERSITY OF PORTO
PUBLIC NOTICE N.º 675/2022

Professor José Manuel Pereira Dias de Castro Lopes, Full Professor of the Faculty of Medicine of the University of Porto and Vice-Rector of the University of Porto:

Following my Order issued on 4 may 2022, by delegated power under the Ordinance no. 8378/2021 published in the Official Gazette, 2nd series, no. 164 of 24 August this call for applications is published for one position of Full Professor in the Disciplinary Area of Civil Engineering of the Faculty of Engineering of the University of Porto. The application procedure will remain in force for a period of 30 (thirty) business days as from the date immediately following the publication of this Notice in the Official Gazette.

1 - The applicable legal provisions are as follows:

Articles 37 to 51, 61 and 62-A of the University Teaching Career Statute (ECDU – *Estatuto da Carreira Docente Universitária*), published in Decree-Law 205/2009 of 31 August, and amended by Law no. 8/2010 of 13 May; and the Regulations for the Recruitment of Full, Associate and Assistant Professors of the University of Porto – Order no. 12913/2010, published in the Official Gazette, 2nd Series, no. 154 of 10 August, and the Amendment Resolution (excerpt) no. 380/2019, published in the Official Gazette, 2nd Series, no. 64 of 1 April 2019.

2 - Eligible candidates:

Holders of a PhD degree for more than five years, counted up to the day before the deadline for submission of applications, and the aggregate title, under the terms of article 40 of the University Teaching Career Statute (ECDU).

If the doctoral degree was awarded by a foreign higher education institution, it must be recognized by a Portuguese higher education institution, under the terms of Decree-Law no. 66/2018, published in the Official Gazette, 1st series, no. 157 of 16 August. This formality must be accomplished by the application deadline.

If the doctoral degree was awarded by a foreign higher education institution, it must be recognized by a Portuguese higher education institution, under the terms of Decree-Law no. 66/2018, published in the Official Gazette, 1st series, no. 157 of 16 August. This formality must be accomplished by the application deadline.

3 - Evaluation and ranking criteria and methodology:

3.1. If there are no reasons for rejection of the applications, the Jury shall deliberate on their approval or non-approval in absolute merit, by means of a justified roll-call vote, abstentions not being allowed.

3.2. It is considered approved in absolute merit the candidate who is approved by an absolute majority of the members of the jury voting, when the vote should be favourable whenever jury member assigned a score equal to or greater than 50, according to the methodology of curriculum evaluation and the methodology used by the jury, as described in points 4 and 5 (see below).

3.3. The approval of the candidates in absolute merit depends on the assessment of their scientific and pedagogical merit, research capacity and activity developed, compatible with the disciplinary area for which the call was launched and suitable for the exercise of functions in the respective teaching category, as documented in their curriculum vitae.

3.4. For the purposes of the evaluation referred to in the previous point, a favourable vote must be based on the cumulative compliance with the following circumstances or requirements of a qualitative and quantitative nature:

- a) The candidate must hold a PhD degree in Civil Engineering or in another area considered appropriate;
- b) The candidate must hold a Habilitation degree in Civil Engineering or in another area considered appropriate.

4. Evaluation and seriation in relative merit

Ranking in relative merit will be based on the aspects and criteria of seriation, the respective scores and the final evaluation system, according to the provisions of paragraph 6 of art. 50 of ECDU and art. 14 of the Regulations for Competitions for Recruitment of Full, Associate and Assistant Professors of the University of Porto.

The candidates approved in absolute merit are subject to a curricular evaluation, bearing in mind the general functions entrusted to university professors by article 4 of ECDU.

4.1. Evaluation dimensions

Without prejudicing the minimums identified in point 3.4 of this announcement, the evaluation of the candidates will focus on the following dimensions, with emphasis on curricular aspects in the disciplinary area for which the call for applications has been launched, in the last 10 years and in the specific domains of: Building Construction; Structures; Geotechnics; Hydraulics, Water Resources and Environment; Land Planning and Environment;

- a) Scientific Merit (V_{MC}) – 35%

b) Teaching Experience and Pedagogic Merit (V_{MP}) – 25%

c) Tasks of Outreach and Economic and Social Enhancement of Knowledge (V_{TC}) - 20%

d) University Management - 20%

4.2. Evaluation criteria

4.2.1. Criteria for assessing the Scientific Merit (V_{MC}) – 35%

4.2.1.1. CMC1 — Scientific production

Quality and quantity of scientific production (books, articles in journals, publications in conference proceedings,...) expressed by the number and type of publications, and by the recognition given to them by the scientific community (translated by the quality of the publication sites and the references made to them by other authors).

4.2.1.2. CMC2 — Coordination and implementation of research projects

Quality and quantity of scientific projects funded on a competitive basis by public funds, through national or international agencies or by companies, in which they participated and the results obtained in them, with emphasis on project coordination. In assessing the quality of the projects, attention should be paid to the funding obtained, the level of demand of the call, the evaluations of the projects carried out and the prototypes achieved, in particular if they resulted in products or services.

4.2.1.3. CMC3 — Creation of research teams

Ability to set up, organize and lead research teams, as well as supervise researchers in post-doctoral, doctoral and master studies.

4.2.1.4. CMC4 — Involvement in the scientific and professional communities

Capacity to intervene in the scientific and professional communities, expressed namely through collaboration in journal editing and through the presentation of invited lectures and participation in academic juries outside the home academic institution.

4.2.1.5. CMC5 — Program of the development of scientific activity

Consistency, feasibility and impact of the scientific / pedagogical and extension Program that presented, in the research and development dimension.

4.2.2. Criteria for evaluation of the Teaching Experience and Pedagogic Merit dimension (V_{MP}) – 25%

4.2.2.1. CMP1 — Coordination of pedagogical projects

Coordination and promotion of new pedagogical projects (e.g. development of new curricular unit courses, creation and coordination of new courses or study programmes, etc.), or modification and improvement of existing projects (e.g. reformulation of existing curricular unit courses, participation in the reorganisation of existing courses or study programmes), implementation of projects with an impact on the teaching and learning process, as well as participation in accreditation or certification processes.

4.2.2.2. CMP2 — Production of teaching materials

Quality and quantity of teaching materials produced by the candidate, as well as publications of an educational nature in prestigious journals or at international conferences.

4.2.2.3. CMP3 — Teaching activity

Quality of teaching activity undertaken by the candidate, whenever possible measured through objective methods based on the results of extensive feedback collection (e.g., student surveys).

4.2.2.4. CMP4 — Program of the development of the pedagogical activity

Consistency, feasibility and impact of the scientific / pedagogical and extension Program presented by the candidate, in the pedagogical dimension.

4.2.3. Criteria for evaluation of the Tasks of Outreach and Economic and Social Enhancement of knowledge dimension (V_{TC}) – 20%

4.2.3.1. CTC1 — Patents, registration and ownership of rights, development of technical standards and regulations

Authorship and co-authorship of patents, registration of ownership of rights of intellectual property on software, mathematical methods and rules of mental activity. Participation in the development of technical standards and regulations.

4.2.3.2. CTC2 — Consultancy , study and development contracts

Coordination and participation in consultancy activities, study and development projects involving the business community and the public sector. Participation as an expert in evaluation committees of research and technological development projects (R&TD) in businesses and/or in Scientific and Technological System bodies (STS). Coordination and participation as a teacher in professional training courses or technological specialization aimed at companies or to the public sector. The evaluation of this criterion should take into account the economic value of the research outcomes, measured by its contribution to new contracts for technology development and transfer and to the creation of spin-off companies.

4.2.3.3. CTC3 — Dissemination of science and technology

Coordination and participation in initiatives for promoting science and technology among the scientific community (e.g., organization of congresses and conferences) and for various audiences. Publications for science and technology dissemination.

4.2.3.4. CTC4 — Program of the development of the outreach university activities

Consistency, feasibility and impact of the scientific / pedagogical and extension Program presented by the candidate, in the tasks of outreach and economic and social enhancement of knowledge dimension.

4.2.4. Criteria for evaluation of the Tasks of University Management (VGU) – 20%

The participation of the candidate in scientific, pedagogical or institutional management activities is evaluated

5 — Working methodology of the jury

5.1. Scoring of candidates

Each member of the jury evaluates the candidates by assigning a score to each dimension, on a scale of 0 to 100 points, rounding to tenths, taking into account the approved criteria for each dimension, with a degree of requirement adjusted to the category for which the call is opened.

5.2. Final Score

The Final Score (FS) given to each candidate by each member of the jury is calculated using the following formula:

$$FS = (0,35x*V_{MC}) + (0,25x*V_{EMP}) + (0,20x*V_{TC}) + (0,20x*V_{GU})$$

which reflects the weights associated to each dimension.

Following its evaluative exercise, each member of the jury shall build its orderly list of candidates, with which it shall participate in the votes leading to the decision to approve candidates on absolute merit and the final ordering of the candidates in accordance with point 4.

5.3 — Jury deliberations

5.3.1 – Any deliberation results of no.12 of Article 17 of the Regulation on Call for the Recruitment of Full, Associate and Assistant Professors of the University of Porto – Order 12913/2010, published in the Official Gazette, no. 154, of 10 August 2010, applicable under Article 83-A of the ECDU, which determined the adoption of that Order to implement the provisions of that statute, including the procedural conduct of calls, namely the system of evaluation and final ranking.

Thus, under no.12 of Article 17 of that Regulation, the jury will decide, by nominal voting based on the adopted and disclosed selection criteria, on the approval and ranking of the candidates. An absolute majority is required for any resolution, i.e., a number of votes at least equal to half plus one of the votes of the present members, and no abstentions are not allowed.

5.3.2 — The ranking methodology is the following:

In the various ballots, each member of the jury must respect his or her ranking list, observing the following in the voting:

- a) the first vote is to determine the candidate placed 1st, counting the number of votes that each candidate obtained for that position;
- b) if a candidate obtains an absolute majority of the votes for 1st place, he or she shall be placed in that position and shall be removed from the ballot, the procedure to choose the candidate who will occupy 2nd place being initiated;
- c) if no candidate obtains an absolute majority of the votes for 1st place, a new ballot shall begin, only among the candidates who obtained votes for 1st place, after the withdrawal of the candidate who received the least votes for that place in the previous ballot
- d) In case there is a tie between two or more candidates in the position of least voted for, a tie-breaking vote shall be held only between them, counting the number of first positions relative to each one, and the one with the least vote shall be removed;
- e) should the tie subsist between two or more candidates in the position of least voted, but having reduced the number of candidates tied in the position of least voted, in relation to the previous voting round, a new tie-breaking vote shall be held only between the candidates tied in the position of least voted, counting the number of first relative positions of each one, and the one who received the least voted shall be removed;
- f) should the tie subsist between two or more candidates in the position of least voted, without the number of candidates tied in the position of least voted having been reduced, in relation to the previous voting round, the tie shall be broken by the President's casting vote or by the exercise of the casting vote, as the case may be, the candidate voted by the President being chosen to integrate the subsequent voting for the same position;
- g) In case there is a tie when only two or more candidates remain for the 1st place, the tie-breaker is made through the Chairperson's casting vote or by the exercise of the casting vote, as the case may be;

h) When the candidate for 1st place is chosen, he/she shall leave the voting and the procedure for choosing the candidate to be placed in 2nd place shall begin, repeating the process referred to in the previous sub-paragraphs for the subsequent places until a single ordered list of all the candidates is obtained.

5. Submission of applications

6.1. Applications delivering

The application must be submitted exclusively on the FEUP website, at the following address: https://sigarra.up.pt/feup/pt/cnt_cand_geral.concurso_show?pct_conc_id=807 , until the established deadline.

6.2. Processing the applications:

The application must include all the following documents, under penalty of exclusion from the contest:

a) Application form, submitted on paper, fully completed, dated and signed, in accordance with the mandatory form available at https://sigarra.up.pt/up/pt/conteudos_geral.ver?pct_pag_id=1004282&pct_parametros=p_pagina=1004282&pct_grupo=3123&pct_grupo=2013&pct_grupo=2015&pct_grupo=2461#2461 ;

b) Documents proving compliance with the conditions set out in paragraph 2 of this notice, namely, copy of the candidate's doctoral certificate or diploma and the aggregate title, except in cases in which the doctoral degree or the aggregate title were awarded by the University of Porto;

c) Proof of recognition of the PhD awarded by a foreign higher education institution, by a Portuguese higher education institution (if applicable);

d) Curriculum Vitae, containing all relevant information for the evaluation of the application;

e) Works mentioned in the submitted curriculum;

f) Scientific/pedagogical and extension program for the disciplinary area to which the tender, with a maximum of 30 Pages A4 (letter Arial, size 11, spacing between lines 1.5 and margins of 2.5 cm).

6.3. Failure to comply with the provisions of paragraph 6.1., and/or failure to submit or late submission of the documents referred to in sections a) to f) of paragraph 6.2., determine the non-admission of the application.

7. Notification of the results and requests for a prior hearing

7.1. The Human Resources Service of the Common Resources and Services Centre of the University of Porto will notify the candidates of the administrative ranking of admission or non-admission to the call, which will be based on the fulfilment or non-fulfilment of the conditions established in the legislation in force and in paragraph 2 of this Notice, and the conditions established regarding the application instructions referred to in paragraphs 6.1, 6.2 and 6.3.

7.2. The candidates who have not been admitted administratively, or have not been approved on absolute merit, as well as candidates who appear on the ranked list of candidates in positions that do not allow them to fill the post announced, may request a prior hearing under the terms of Articles 121 and 122 of the Code of Administrative Procedures. All candidates are notified of the final resolution approved by the Rector.

7.3. The notifications will be sent by email, pursuant to articles 112 (1) (c) and 113 (5), of the Code of Administrative Procedures (CPA).

The deadline for candidates to comment in writing is ten working days.

8 — The jury is formed by:

President:

Doutor José Manuel Pereira Dias de Castro Lopes, Vice-Rector of the University of Porto.

Members:

Doutora Maria da Conceição Morais de Oliveira Cunha, Professora Catedrática da Faculdade de Ciências e Tecnologia da Universidade de Coimbra;

Doutor Jorge Manuel Calção Lopes de Brito, Professor Catedrático do Instituto Superior Técnico da Universidade de Lisboa;

Doutora Maria Rosário Partidário, Professora Catedrática do Instituto Superior Técnico da Universidade de Lisboa;

Doutor Paulo José Brandão Barbosa Lourenço, Professor Catedrático da Escola de Engenharia da Universidade do Minho;

Doutora Laura Maria Mello Saraiva Caldeira, Investigadora -Coordenadora do Laboratório Nacional de Engenharia Civil;

Doutor Rui Artur Bártolo Calçada, Professor Catedrático da Faculdade de Engenharia da Universidade do Porto.

9. Other provisions

The Joint Order n. 373/2000, of 31 March, issued by the Minister for Reform of Government and Public Administration and the Minister for Equality, determines that the following mention must be included in entry and access calls for applications:

«In compliance with paragraph h) of article 9 of the Portuguese Constitution, the Public Administration, as an employer, actively promotes a policy of equal opportunities among men and women to access employment and in their professional progress, taking strict measures to avoid any type of discrimination.»

In this sense, the terms “candidate(s)”, “teacher(s)” and similar terms are not used in this public notice to refer to the gender of people.

Likewise, no candidate may be privileged, benefited, harmed or deprived of any right, or exempted from any duty on any grounds, in particular of lineage, age, sexual orientation, marital status, family situation, economic situation, education, origin or social status, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic or racial origin, territory of origin, language, religion, political or ideological beliefs and trade union membership

4 may 2022. — *Vice-Rector, Prof. Doutor José Manuel Pereira Dias de Castro Lopes.*