

Public Notice **(Full Professor)**

Notice is hereby given that, by order of mine, issued on the date of signature of this notice, the following is open for a period of 30 (thirty) working days following the publication of the present notice in Diário da República [Official Journal of the Portuguese Republic], international call for tenders to fill 2 (two) positions in the university teaching career, in the category of Full Professor, under a contract of employment in public functions for an indefinite period, subject area of Mechanical Engineering, from Faculty of Science and Technology of the University of Coimbra, opened under the *Estatuto da Carreira Docente Universitária* [University Teaching Career Statute] in its latest version, hereinafter referred to as ECDU, and the *Regulamento de Recrutamento e Contratação de Pessoal Docente da Universidade de Coimbra* [Regulation on the Recruitment and Hiring of Teaching Staff of the University of Coimbra] hereinafter referred to as RRCPDUC, Regulation Nr. 330/2016, of 29 March, as well as further applicable legislation.

I – Reference and Place of Work:

I.1 Public tender reference: IT136-24-14657

I.2 Place of Work: University of Coimbra, Department of Mechanical Engineering, Faculty of Science and Technology

II – Admission Requirements:

II.1. Applicants shall be at least 18 years old, 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. To be, on the date of the deadline for submitting applications, holder of a doctorate degree for more than five years, and title of "Agregação", either in the area for which the tender is open, or in a related area which, complemented with the scientific career, show the ability to work centrally on the tender is open.

III – Application

III.1. Submission: Candidates must access and register on the electronic platform apply.uc.pt, to submit the application, selecting the procedure to which they intend to apply.

The documents included in the application are exclusively in digital portable document format (pdf), except for the documents referred in III.2.4. and III.2.6., which can be delivered in other digital formats.

The application submission is carried out by completing the sections available on the Apply UC electronic platform, under "My application".

If any of the works/papers submitted contains classified information, revealing trade or industrial secrets or literary, artistic or scientific property secrets, candidates must select that option, available on the platform for each document; otherwise, those works/papers can be freely accessed by any of the other applicants when consulting the tender records.

Candidates can highlight in their CV periods of suspension of professional activity for socially protected

reasons, namely, for reasons of parental leave, prolonged serious illness, and other legally protected situations of unavailability for work, always attaching supporting documents, and the jury must ensure that their evaluative judgment is not influenced by these pauses.

III.2. Mandatory documents

III.2.1. *Curriculum Vitae* duly dated and signed, in both Portuguese and English language. Personal data, worthy of protection under the General Data Protection Regulation, must appear on a separate page from the rest of the information in the *Curriculum Vitae*.

The *Curriculum Vitae* shall include a foreword with the description, if any, of all the candidate's employment relationships with higher education institutions up to the date of the application and the respective periods, identifying the category held, the nature of the employment relationship, the subject area(s) and the higher education institutions where the candidate has worked, explaining precisely the employment relationship held at the date of the application. It must also include a reasoned synopsis demonstrating that the candidate has the appropriate expertise to the subject area(s) and/or sub-area(s) for which the tender is open.

The candidate's *Curriculum Vitae* shall be structured in order to separately respond to the different items listed below in IV.2.

III.2.2. Career Development plan up to 10 pages, concerning the research lines in the scientific field for which this tender is open and which the candidate intends to develop at the University of Coimbra. This plan shall meet the following requirements: presentation of the main issues on which the candidate intends to focus his/her future research, based on the current state-of-the-art context; short and summarised description of the research strategies the candidate intends to adopt to develop research and to solve or contribute to the solving of the above-mentioned issues; explanation of reasons and motivations for the presented choices.

III.2.3. Copy of qualification certificates. Opponents of the tender who are selected for the position(s) to be filled and hold a doctoral degree obtained abroad must present recognition or registration (as applicable) of their degree at the time of signing the contract, under the terms of Decree-Law no. 66/2018, of August 16, under penalty of exclusion. When recognition is requested from the University of Coimbra, the University of Coimbra bears the cost of recognizing or registering the candidate(s) who will be hired. (s), with the candidate(s) being exempt from paying the fee until the final ranking. More information available at: <https://www.uc.pt/academicos/graus/reconhecimentos>.

The failure to present the recognition of the degree at the time of contracting, under the terms of Decree-Law nr. 66/2018 of August 16th, is ground for exclusion.

The candidates who hold a public service employment contract with the University of Coimbra may be exempt from the qualification certificates submission. To this end, they must select this option on the platform, stating that they are already in their individual process.

III.2.4. Document in which the candidate identifies the 5 scientific results or activities that they consider to represent their most significant contributions to the advancement of knowledge in the disciplinary area the tender is open to.

III.2.5 A separate copy of the documents proving the contributions referred to in the previous point (one PDF file per document).

III.2.6. Copy of other works that the candidate considers relevant.

III.2.7. Any other elements that the candidate considers relevant.

III.3. All application documents above indicated in III.2. shall be submitted in either Portuguese or English, exception made to those mentioned in III.2.6. and III.2.7., which may be submitted in a different language, if there is no Portuguese or English version. If the original documents mentioned under III.2.3. and III.2.5. are written in a language other than Portuguese or English, candidates are required to include a version in one of those languages.

Exception is made to Diplomas, when written in Latin, in which case no translation is required.

III.4. Applications that do not comply with the instructions or that fail to meet the tender's formal requirements, pursuant to the applicable laws and to this Public Notice, shall not be accepted. In the same way, if the submission of required documents or papers are submitted outside the established timeframe, the application will not be accepted.

The impossibility to comply with the language requirements defined in points III.2. and III.3. of this Public Notice, must be duly substantiated, in a separate document presented by the candidates, under the terms of point III.1. of the Notice.

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.

IV – Selection methods and criteria

IV.1. Selection Methods: CV Assessment (50%) + Public Hearing (50%) + Approval on Absolute Merit (qualification criterion), with the assessment being given, in the Curricular Assessment and Public Hearing, on a scale of 0 to 100 points.

IV.1.1. If the Selection Committee exceptionally decides, in the first meeting, not to apply the Public Hearing, the CV Assessment shall have a weight of 100% of the score, followed by the Approval on Absolute Merit (qualification criterion).

IV.2. Selection criteria for both CV Assessment and Public Hearing are scientific performance and pedagogical skills of the candidates, as well as other activities deemed relevant with regard to the mission of a global university, in accordance with the assessment of the parameters mentioned below.

IV.2.1. Scientific performance of the candidate in the disciplinary area for which the tender is open, with an assessment of **up to 65 points** being awarded, considering the following assessment parameters:

IV.2.1.1. Scientific production and its impact and national and international recognition – 25 points: the relevance of the results obtained by the candidates will be considered, with great emphasis on the 5 scientific results or scientific activities indicated by the candidates as their most significant contributions to the advancement of knowledge in the disciplinary area for which the tender is open, as well as recognition by the scientific community of the results obtained.

IV.2.1.2. Future scientific prospects – 10 points: the ability of the candidates to show that, in the future, they can have a very relevant scientific production in the University of Coimbra, namely based on the submitted career development plans.

IV.2.1.3. Coordination and participation in scientific projects – 15 points: previous experience of candidates and their potential for beneficially and successfully coordinating and participating in nationally and internationally funded projects in the disciplinary area for which the tender is open.

IV.2.1.4. Active participation in the community within and outside the university – 15 points: active participation in the community, namely through organizational and management duties in scientific activities, transfer of knowledge to society and participation in assessment tasks and, in general, all activities pursued by the candidates that demonstrate the skills to develop, with great quality, the activities of a global, extremely productive, and scientifically recognised university.

IV.2.2. Pedagogical skills of the candidate, with an assessment of **up to 35 points** being awarded, considering the following assessment parameters:

IV.2.2.1. Teaching activity – 15 points: if existing, previous teaching activity, as well as evidence of the skills to successfully carry out teaching. This will be based on the available pedagogical assessment tools, namely pedagogical surveys, the results of which candidates are required to include in their CV, and other relevant indicators, such as awards and other prizes.

IV.2.2.2. Pedagogical materials produced and supervision and guidance activities – 5 points: the quality and quantity of the pedagogical material produced by the candidate, the relevance and impact of pedagogical publications and the guidance, tutoring and monitoring activities of students will be assessed.

IV.2.2.3. Pedagogical projects and active participation in the community within and outside the University – 15 points: the coordination, participation and dynamization of new pedagogical projects will be assessed (example: creation of new subject programs, participation in the creation of new courses or study programs) or reformulation and improvement of existing projects, the implementation of projects with an impact on the process of teaching/learning, as well as the intervention of candidates in the community, namely in organizational and management tasks related to pedagogical activity and dissemination of knowledge, and in general all activities of candidates that have skills to perform with quality the tasks necessary for a pedagogically very effective global university.

IV.2.3. Development, by the candidate, of other activities relevant for the mission of a global university may justifiably enhance the assessment of the parameters mentioned above under IV.2.1. and IV.2.2., whenever the scope of such activities is considered to influence the performance of the candidate in relation to those parameters and the results of these activities are considered to possess the required quality to justify this enhancement.

IV.3. Each member of the jury assigns, in each of the selection methods, Curricular Assessment and Public Hearing, to each candidate admitted and who meets the minimum requirements of absolute merit, a score in accordance with what is defined in IV.2, either for the parameters for evaluating scientific performance and pedagogical capacity.

The partial classification for each of the selection criteria (scientific performance and teaching ability) results from the sum of the classifications awarded in each of the parameters indicated in IV.2.

In both the Curricular Assessment and the Public Hearing, the overall classification corresponds to the sum of the partial classifications awarded in each of the selection criteria.

The final classification that each member of the jury assigns to each candidate is the weighted average of

the overall classification given in each of the selection methods (Curriculum Assessment and Public Hearing).

Candidates are then subject to approval on Absolute Merit and subsequent ordination under the terms of point VI. of this Public Notice. If there is no Public Hearing, the final classification will be that given in the Curriculum Assessment, with candidates then subject to approval on Absolute Merit and subsequent ranking in accordance with point VI. of this Public Notice.

IV.4. All candidates complying with the application requirements and who meet the minimum requirements of absolute merit are subject to the Curricular Assessment to be carried out in accordance with the criteria defined in IV.2. However, only the 6 (six) candidates best positioned in the Curricular Assessment will be admitted to the Public Hearing, if any.

IV.5. Candidates with an overall curriculum vitae that the jury considers suitable for the position to be filled will be approved on Absolute Merit, namely scientific performance and teaching ability compatible with the category and disciplinary area for which the competition is open, taking into account the selection criteria and evaluation parameters indicated in point IV.2., not weighted quantitatively, and provided they meet the following minimum requirements:

- 1- Have published, in the last 10 (ten) years, at least 15 (fifteen) publications classified as Q1 or Q2 impact factor in the Scopus areas relevant to the subject area of the competition;
- 2- Have an H-Index of no less than 20, excluding self-citations, obtained from Scopus or Web of Science.

Candidates who, on the date of their recruitment, do not have a mastery of Portuguese and English, must immediately begin the respective learning process, with a view to guaranteeing their ability to teach in Portuguese and English, the mastery of Portuguese and English at CEFR level C1 being an indispensable requirement for their subsequent approval in the probationary period.

V – Selection Process

V.1. Preliminary meeting

In the first meeting, which is always preparatory, the jury decides on the admission of applications and on whether or not to hold a Public Hearing, in the latter case justifying its decision in accordance with paragraph 2 of article 27 of the RRCPDUC.

Even at the first meeting, the jury checks whether all admitted candidates meet the minimum requirements of absolute merit.

If any of the admitted candidates do not meet the minimum requirements of absolute merit, the jury decides to exclude them, refraining from submitting them to the Curricular Assessment.

If the decision is to hold a Public Hearing the Jury must then apply the CV Assessment selection method to all candidates admitted to the tender and who meet the minimum requirements for absolute merit and will rank them in accordance with the terms set out in the following point.

In the event of non-compliance, or partial compliance, with any of the requirements defined in point III of the Public Notice, the jury decides whether this insufficiency prevents the application from being

considered, or whether, having no relevant impact on the evaluation process, the application may nevertheless be admitted.

V.1.1. The Curricular Assessment will only take into account the merit and, consequently, value the candidate's previous experience in the disciplinary area for which the competition is open, in accordance with the selection criteria, weighting and assessment parameters set out in this Notice (point IV.2.), with the jury refraining from assessing or valuing the candidate's merit and experience in other areas. The ranking of candidates in the Curricular Assessment will follow the methodology defined in point VI. Only the candidates best placed in the Curricular Assessment, up to the number of candidates provided for in point IV.4. of this Notice, will be admitted to the Public Hearing, if any, and all other candidates will be considered excluded.

V.1.2. Candidates both excluded and admitted to the Public Hearing shall be notified by Public Notice, under the terms mentioned below in section VII.

V.2. Assessment meeting and final ranking of the candidates

V.2.1. In the second meeting, the Selection Committee proceeds to apply the selection criteria, followed by the candidates' ranking and the drafting of the final deliberation.

If the Public Hearing is to take place, the Selection Committee shall conduct it by assessing the candidates based on the selection criteria and evaluation parameters mentioned above herein IV.2., with regard to their merit only and relevant research background in the disciplinary area for which the tender is open. The Public Hearing of each candidate shall have the maximum duration of one hour. However, the Chairman of the Selection Committee may decide to extend it further for a period of 30 minutes. The Public Hearing is conducted by the Chairman of the Selection Committee, without prejudice to other members of the Selection Committee also interacting with the candidate upon decision of the Chairman. This hearing shall be held in Portuguese, unless the candidate or any members of the Selection Committee are not proficient in that language. In this case, it may be conducted in English, upon decision of the Chairman. Failing to attend the Public Hearing shall result in the exclusion of the procedure. Similarly, candidates failing to attend a duly scheduled conference call shall also be deemed excluded.

If the decision is not to hold the Public Hearing, the jury applies the CV Assessment selection method to the candidates, based on the selection criteria and evaluation parameters mentioned above herein IV.2. At this stage, the merit of the candidates will only be assessed based on their experience in the disciplinary area for which the tender is open, according to the selection criteria and evaluation parameters described in this public notice. The candidates' background in other areas shall not therefore be taken into consideration by the Selection Committee. The ranking of the candidates shall be based on the methods described below in section VI.

V.2.2. In view of the final score of the candidates given by each member of the jury, obtained in accordance with point IV.3. of this Public Notice, the jury carries out an overall qualitative assessment of the absolute merit of the candidates admitted to this phase of the selection process.

V.2.3. Candidates who are judged by a majority of the members of the jury present at the meeting to have scientific performance and teaching ability compatible with the category and disciplinary area for which the competition is open, will be approved on absolute merit, taking into account the selection criteria and assessment parameters indicated in point IV.2., which are not weighted quantitatively, and each member of the jury must respect the prior ranking they established in the assessment and individual

ranking of each candidate when voting.

V.2.4. The Selection Committee finally ranks the candidates approved on absolute merit, based on the methodology described under VI, proceeding to the drafting of the final deliberation.

V.2.5. The position will not be filled if the Selection Committee decides that none of the candidates fulfils the requirements established in this Public Notice.

V.2.6. Candidates will be notified of the draft final decision, which contains the list with the proposed ranking of successful candidates, as well as the list of unsuccessful candidates, in accordance with point VII of this notice.

V.3. If any of the candidates exercises their right to be heard, the Selection Committee shall hold a third meeting, in order to analyse the request, and the candidates will be notified of its deliberations, under the terms of section VII.

V.3.1. If the Selection Committee finds such allegations well founded, it shall proceed according to its deliberations, thereby notifying the candidates under the terms of VII.3.

V.3.2. If the Selection Committee finds such allegations unfounded, following the candidates' notification under the terms of V.3. herein, the procedure shall then be submitted to the Rector's approval.

V.4. All candidates will be notified regarding the approval decision under the terms of section VII. herein. The administrative records of the tender may be consulted by the candidates, upon previous appointment, requested by e-mail sent to the Human Resources Management Service's e-mail address: sgrh@uc.pt.

VI – Ranking and voting methods

VI.1. When the debate on the various candidates present has allowed all the members of the jury to stabilise a ranking of the candidates, each of them will present, in a written document that will be attached to the minutes, their proposal for ranking the candidates, duly based on the selection methods and criteria and assessment parameters set out in this Notice. In the various votes, each member of the jury must respect the order they have presented.

VI.2. The first vote is to determine which candidate will be placed first. If a candidate receives more than half of the votes, they are placed first. If this does not happen, all candidates with zero votes are removed and the candidate with the least votes in the first ballot who received at least one vote is also eliminated. In the event that there is more than one candidate in the least voted position with at least one vote, a vote is held only on those who were tied for last, to decide which one to eliminate. For this vote, the members of the jury vote for the candidate who is lowest in their ranking, and the candidate with the most votes is eliminated. If there is a tie between two or more candidates, the Chairman of the Jury decides which candidate to eliminate.

After this elimination, it's back to the first ballot, but only with the remaining candidates. The process is repeated until one candidate receives more than half of the votes and is placed first.

VI.3. The candidate placed in the first position shall then be excluded from the next vote round, which shall decide the second place. This process shall be consecutively repeated until all approved candidates are ranked.

VI.4. During the voting of the Selection Committee abstentions are not allowed.

VII – Notification of candidates

VII.1. All acts of the procedure are published on the Apply UC electronic platform during the course of the procedure. The candidates are notified by public notice of the following acts: the list of approved and excluded candidates; in the event of Public Hearing, the time, place and identification of the candidates admitted to this selection method, as well as, among these, the identification of the candidates to whom the Chairman of the Jury has approved the provision of evidence via teleconference; the draft final decision of the tender; decisions regarding possible allegations made by candidates; the final result of the tender, after approval. The Public Hearing, to be held, will take place January 20th, 2025.

VII.2. If the Public Hearing date stated in the previous point cannot be met, the new date will be published in the notice confirming that it will take place and indicating the list of candidates admitted and excluded to the Public Hearing.

VII.3. Notifications by notice provided for in point VII.1. are made by publication on the Apply UC electronic platform, in accordance with paragraph d) of number 1 of article 112 of the CPA and article 63 of the RRCPDUC, producing their effects in accordance with article 113 of the CPA.

VII.4. Candidates may, if they so wish, within 10 working days, appeal the decision of the Committee, in due respect for their right to a fair hearing, under the terms of article 121 of the Code of Administrative Procedure (CPA). The time limit begins on the day following notification of the candidates, under the terms of article 87 of the CPA.

VII.5. The entire tender records may be consulted by candidates, upon previous appointment, requested by e-mail sent to the Human Resources Management Service's e-mail address: sgrh@uc.pt.

VIII – Selection Committee:

Chairman: Edmundo Heitor da Silva Monteiro, Full Professor and Dean at Faculty of Science and Technology of University of Coimbra

Committee members:

Ana Paula Barbosa Póvoa, Full Professor at Department of Engineering and Management of Instituto Superior Técnico of the University of Lisbon;

Virgínia Isabel Monteiro Nabais Infante, Full Professor at Department of Mechanical Engineering of Instituto Superior Técnico of the University of Lisbon;

Vítor António Ferreira da Costa, Full Professor at Department of Mechanical Engineering of University of Aveiro;

Maria Ascensão Ferreira Silva Lopes, Full Professor at Department of Metallurgical and Materials Engineering of Faculty of Engineering of the University of Porto;

Lucas Filipe Martins da Silva, Full Professor at Department of Mechanical Engineering of Faculty of Engineering of the University of Porto;

Pedro Mariano Simões Neto, Full Professor at Department of Mechanical Engineering of Faculty of Science and Technology of University of Coimbra;

Manuel Carlos Gameiro da Silva, Full Professor at Department of Mechanical Engineering of Faculty of Science and Technology of University of Coimbra;

Amílcar Lopes Ramalho, Full Professor at Department of Mechanical Engineering of Faculty of Science and Technology of University of Coimbra.

In the event of absences or impediments of the Chairman he/she shall be replaced by Luís José Proença de Figueiredo Neves, Full Professor and Vice-Rector of University of Coimbra, whom shall be replaced, likewise, by the Committee member Manuel Carlos Gameiro da Silva, Full Professor at Department of Mechanical Engineering of Faculty of Science and Technology of University of Coimbra.

This Public Notice will be published in Portuguese in *Diário da República*, 2nd Series, and on the website *Bolsa de Emprego Público* (Governmental Public Employment Portal), as well as in both Portuguese and English at Apply UC (apply.uc.pt) and on the EURAXESS Portugal Portal, at <https://www.euraxess.pt/>.

Pursuant to subparagraph h) of Article 9 of the Portuguese Constitution, the University of Coimbra, as employer, actively promotes a policy of equal opportunities between men and women in access to employment and professional development and takes action to prevent each and every kind of discrimination, and encouraging underrepresented minorities in each area to apply.

Therefore, no one can be privileged, benefited, harmed or deprived of any right or immune from any duty on account of, in particular, ancestry, age, sexual orientation, gender, marital status, family, economic situation, education, origin or social condition, 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.

The University of Coimbra also promotes measures to facilitate work-life balance, recognizing the efforts of workers and promoting motivation.

Paço das Escolas,

The Rector, Amílcar Falcão