

OPENING NOTICE OF THE SELECTION PROCEDURE FOR RECRUITMENT OF A DOCTORATE POSITION

1. By the order of 10th February 2017, the Director of FEUP, Professor João Bernardo de Sena Esteves Falcão e Cunha, it was deliberated to open a call for a doctorate position to carry out scientific research activities. This recruitment is included in the framework of the research project SPLACH – Spatial planning for change - POCI-01-0145-FEDER-016431, financed by the European Regional Development Fund (FEDER), through COMPETE2020 - Competitiveness and Internationalization Operational Program (POCI) and by National funds through the Foundation for Science and Technology FCT, under a so-called Uncertain Contract Term, never exceeding the duration of the project, nor exceeding a maximum of six years.

This research position aims at the development of work within the remit of the aforementioned project, in particular its WP 4 - Urban metabolism (energy, land, food and water), which main goal is the development of a consistent perspective on the analysis of the metabolic performance of cities. In addition, the researcher is expected to accompany all the research work carried out by the different institutions participating in the project.

2. Legislation: Decree-Law no 57/2016, August 29, that approves the rules for post doctoral work contracts, designed to stimulate employment in science and technology in all areas of knowledge (RJE) within the legal provisions of the Labour Code, Law 7/2009, February 12, amended by Laws In 105/2009, September 14, 53/2011, October 14, 23/2012, August 24, 69/2013, August 30, 27/2014, August 8, 55/2014, April 25, 28/2015, April 14, 8/2016, April 1.

3. In accordance to Decree-Law no 57/2016, August 29, the present process is released from the authorization of the members of the Government responsible for the areas of Finance and Public Administration, namely that referred to in paragraph 3 of article 7 of the LTFP; obtaining the approval of the members of the Government responsible for the areas of Finance and Public Administration, referred to in paragraph 5 of article 30 of the LTFP and the procedure for recruitment of workers in requalification, referred to in article 265 of the LTFP.

4. In accordance to article 13 of the RJE the jury is composed as follows:

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President: Professor Paulo Manuel Neto da Costa Pinho

Member: Professor Paulo Santos Conceição

Member: Professor Sara Maria dos Santos Rodrigues da Cruz

Member Substitute: Professor Fernando Manuel Brandão Alves

5. The work will be developed at CITTA - Research Centre for Territory, Transports and Environment (FEUP), Department of Civil Engineering, Faculty of Engineering, University of Porto (FEUP).

6. The monthly payment to be attributed is that provided in Level 2, item b) of paragraph 1 of article 15 of DL no. 57/2016, of August 29, corresponding to level 53 of TRU, approved by Ordinance no. 1553-C / 2008, of December 31, amounting to € 3158.18.

7. General admission conditions: to this call the candidates may be national, foreign and stateless, holding a PhD degree in Spatial Planning, Civil Engineering, Architecture or Landscape Architecture. If the doctorate has been awarded by a foreign higher education institution, it must comply with the provisions of Decree-Law no. 341/2007, of October 12, and any formalities established there must be fulfilled until the expiration date of the application.

8. Specific admission conditions: the candidate must have research experience, preferably of at least 3 years, in the field of urban metabolism, and must also be the author of publications in international scientific journals (ISIS or SCOPUS).

9. In accordance to article 5 of the RJEC, the selection is made through the evaluation of the scientific and educational experience of the candidates.

10. The evaluation of the scientific and educational experience focuses on the relevance, quality and timeliness of the:

- a) scientific, technological, cultural or artistic production of the last five years considered more relevant by the candidate;
- b) applied or practice-based research activities developed over the last five years and considered as having the greatest impact by the candidate;

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- c) activities of extension and dissemination of knowledge developed over the last five years, particularly in the context of promoting the culture and scientific practices considered by the candidate to be of greater relevance;
- d) activities of managing science, technology and innovation programmes, or the experience in observing and monitoring the scientific and technological system or the higher education system, in Portugal or abroad.

11. 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, in particular for reasons of parental leave, prolonged serious illness, and other situations of legally protected unavailability for work.

12. This call is open to carry out activities in the area of Spatial Planning and Energy Efficiency and Metabolic Efficiency of Cities, below designated as area of preference.

13. The evaluation of the candidate is made of two components: **Assessment of the Scientific Career and Curriculum** and, for the cases foreseen in point 13.2 of this notice, **Professional Interview**.

13.1. Assessment of the Scientific Career and Curriculum

The Assessment of the Scientific Career and Curriculum (ASCC) focuses on the three strands described below and the final classification is obtained by the following formula:

$$\text{ASCC} = 40\% \text{ AQ} + 30\% \text{ SCC} + 30\% \text{ MCI}$$

1. Academic Qualifications (AQ)

Assessment of the area of study of the candidate:

PhD in Spatial Planning, Civil Engineering, Architecture or Landscape
Architecture: AQ = 3 to 5 points

PhD in related areas: AQ = up to 3 points

PhD in other areas: AQ = 0 points

2. Assessment of Scientific Career and Curriculum (SCC)

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Assessment of the relevance, quality and timeliness of the scientific and of the curriculum vitae. This evaluation is based on the parameters described below and their classification is obtained by the following formula:

$$SCC = 40\% SP + 30\% RA + 15\% EA + 15\% MA$$

2.1 Scientific Production (SP)

The scientific production (SP) over the last five years is evaluated as follows:

Publications in the area of preference: SPV = 3 to 5 points

Publications in related areas: SPV = up to 3 points

Publications in other areas: SPV = 0 points

A qualitative evaluation of the scientific production (SPQ) is made, and the candidate must provide copies of up to 5 articles that are considered more relevant.

SPQ = up to 5 points

The classification of scientific production is obtained by:

$$SP = 50\% SPV + 50\% SPQ$$

2.2 Research Activities (RA)

The activities of applied or practice-based research developed over the last five years are evaluated. This parameter includes:

Activities in the area of preference: RA = 3 to 5 points

Activities in related areas: RA = up to 3 points

Activities in other areas: RA = 0 points

2.3 Extension Activities (EA)

The activities of extension and dissemination of knowledge developed during the last five years are evaluated. This parameter includes:

Activities in the area of preference: EA = 3 to 5 points

Activities in related areas: EA = up to 3 points

Activities in other areas: EA = 0 points

2.4 Management Activities (MA)

The activities of management of science, technology and innovation programmes developed during the last five years are evaluated. This parameter includes:

Activities in the area of preference: MA = 3 to 5 points

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Activities in related areas: MA = up to 3 points

Activities in other areas: MA = 0 points

3. Motivation and Capacity for Innovation (MCI)

Assessment of the candidate's motivation and ability to innovate. For this evaluation the candidate must present the documents described below and their classification is obtained by the following formula:

$$\text{MCI} = 50\% \text{ ML} + 50\% \text{ IP}$$

3.1 Motivation Letter (ML)

Motivational letter describing the relevance of the scientific path to the position and personal career goals.

ML = up to 5 points

3.2 Innovation (IP)

Profile of the candidate and what he/she could contribute in terms of innovation

IP = up to 5 points

13.2. Professional Interview

The three best candidates in the Assessment of the Scientific Career and Curriculum (ASCC) may be called for a professional selection interview that will be graded on a scale of 0 to 4 points.

The classification of the professional interview will be obtained by the following formula:

$$\text{PI} = 50\% * \text{C1} + 30\% * \text{C2} + 20\% * \text{C3}$$

Criterion 1 (C1)

Evaluation of the knowledge and motivation for the performance of the function.

C1 = up to 3 points

Criterion 2 (C2)

Assessment of the candidate's attitude and behavior in terms of teamwork capacity, conflict management capacity, persuasiveness, presentation and trust.

C2 = up to 3 points

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Criterion 3 (C3)

Evaluation of verbal fluency and expression (coherence and discursive clarity, vocabulary richness, ability to understand and interpret the questions): in Portuguese and English, for national candidates; In English for foreign applicants.

C3 = up to 3 points

13.3. Final Classification

The final classification (FC) will be the sum of the scores obtained from the Assessment of the Scientific Career and Curriculum (ASCC) and the Professional Interview (PI).

$$FC = ASCC + PI$$

The position can only be awarded to candidates whose final classification is higher than 6 points.

14. The jury shall act by a roll-call vote, justified in accordance to the publicized and adopted selection criteria. Abstentions are not allowed.

15. For all meetings of the jury, the respective minutes must be writtem, which contain a summary of what occurred, as well as the votes issued by each of the members and their justification, and should be made available to applicants when requested.

16. After completion of the application of the selection criteria and the interviews, the jury shall draw up the ordered list of candidates with their respective classifications.

17. The final decision of the jury is approved by the head of the institution who is also responsible for the hiring decision.

18. Applications submission

18.1. Applications must be formalized by email to recursoshumanos@fe.up.pt and to Prof. Paulo Pinho, pcpinho@fe.up.pt and should clearly state the reference SPLACH-Researcher(001)-FEUP.

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18.2. The application must be accompanied by all the documents proving the conditions laid down in paragraphs 7 and 8 for admission to this call, in particular:

- a) Detailed Curriculum Vitae;
- b) Copies of the 5 most relevant papers;
- c) PhD degree certificate;
- d) Recommendation letters;
- e) Documents attesting work experience;
- f) Information about scientific and technological production, applied research activities, extension activities and dissemination of knowledge, and activities related to the administration and management of science, technology and innovation programmes.

18.3. The application period begins the day after the publication of this announcement, and lasts for the period of 30 (thirty) working days.

19. Candidates that incorrectly formalize the application or who do not demonstrate the requirements for this call will be excluded. In case of doubt, the jury may require from any candidate, the submission of documentary proof of their statements.

20. False statements made by the candidates shall be penalized in accordance to the law.

21. The list of candidates admitted and excluded as well as the final classification list will be forwarded to the candidates through registered letter, and the candidates are also notified by e-mail with a delivery receipt of notification.

22. Prior hearing and deadline for the final decision: Under Article 121 of the Code of Administrative Procedure, after notification, the candidates have 10 working days to submit any objection. The final decisions of the jury are given within a maximum period of 90 days from the deadline for the submission of applications.

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23. This call is intended exclusively to filling the position indicated and can be made to cease until the approval of the final ordination of candidates list and it expires with occupation of the job on offer.
24. Policy for non-discrimination and equality of access: FEUP actively promotes a policy of non-discrimination and equality of access, so that no candidate (he or she) can be privileged, benefited, harmed or deprived of any right or exempt of any duty due, in particular, ascendancy, age, gender, sexual orientation, marital status, family situation, economic situation, education, origin or social status, genetic heritage, working capacity reduced, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions and union membership.
25. The jury approved this notice at the meeting held on 8th March 2017.
26. According to Decree Law 29/2001 from 3 February, a candidate with a handicap has preference over other candidate with a similar classification. This preference prevails over any other legal preference. The candidates in these circumstances should declare in the application, the respective degree and type of deficiency, as well as the means of communication and expression to be used in the selection process, according to the abovementioned decree law.

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