

**ANNOUNCEMENT FOR THE OPENING OF A CALL FOR THE
HIRING OF A POST DOCTORATE RESEARCH FELLOWSHIP
(1 position)**

One Post doctorate Research Grant is opened at the Research Centre of Mathematics of the University of Minho (CMAT), with the financial support of the Foundation for Science and Technology (FCT/MCTES) through national funds (PIDDAC), in the framework of the Project UIDP/00013/2020.

Scientific area: Mathematics

Candidate's admissibility requirements: Candidates should hold a doctorate degree in Mathematics and meet simultaneously the following requirements:

- the academic degree was obtained in the three years preceding the application submission date of this call (*);
- the research work that led to the awarding of the doctorate degree had been carried out in an R&D Unit distinct from the host R&D Unit in this application (Centre of Mathematics of the University of Minho) (**);
- the entire period in this type of fellowship, with the conclusion of the contract relative to this application, and including possible renewals, can not exceed three years, consecutive or not;
- a research plan (5 to 10 pages) to be carried out during the period of the contract should be submitted in this application; the plan should be considered appropriate for the scientific activity developed at CMAT in one of the domains “Modeling and Simulation”, “Statistics”, “Optimization” and should emphasize the adequacy to the CMAT team and its strategic project.

Candidates who do not meet, simultaneously, all the requirements above will be excluded.

(*) The documents attesting the academic degree and the diplomas, or the respective recognition when the degrees have been awarded by foreign institutions, when applicable for the type of fellowship in this call, are not mandatory in the application phase, being replaced by a honour declaration prepared by the candidate, occurring the verification of this condition only in the contractualization phase. This declaration must attest facts that have occurred before this application. If any discrepancy is verified between the declaration and the documentation presented in the contractualization phase, only the information contained in the documentation will be considered. If it is found that the documents attesting the academic degree or diploma, or the respective recognition under the terms of Decree-Law No. 66/2018 from August 16, are not in agreement with the assessment given to the candidate and therefore will change the candidate's ranking, the fellowship contract will not be effective.

(**) The R&D Units are considered to be distinct in this call if they are different Units, even belonging to the same Organic Unit (UOEI) of UMinho (No. 4 and No. 5 of Article 7 of the Research Scholarship Regulation of the Foundation for Science and Technology approved by Regulation No. 950/2019, published in the II Series of the DR of December 16).

Eligibility of the candidates: Candidates should meet all the eligibility conditions mentioned in article 9º of the Research Scholarship Regulation of the Foundation for Science and Technology (Regulation No. 950/2019, published in the II Series of the DR of December 16).

Work plan:

The Researcher hired for this position will be integrated in one of the CMAT research groups, according to his/her scientific interests and the research plan presented in this call. The research activity should be developed in one of the domains "Modeling and Simulation", "Statistics" and "Optimization", in collaboration with the CMAT members, in particular with those of the group in which the Researcher will be integrated. He/she should actively participate in the activities of both the group and the CMAT itself, including meetings, seminars and organization of events. He/she should be receptive to advise Master students and to collaborate in projects with other R&D Units or with Industry and other non-academic entities.

Applicable legislation and regulation:

Research Scholarship Statute approved by the Law 40/2004, of August 18, in the current wording, published in the Decree-Law No. 123/2019 of 28 August and by the Research Scholarship Regulation of the Foundation for Science and Technology (Regulation No. 950/2019, published in the II Series of the DR of December 16).

Host Research Unit and Scientific Supervision: The activities will be performed in the Research Centre of Mathematics of the University of Minho (CMAT), under the scientific supervision of a CMAT member to be defined on the basis of the research plan presented by the candidate.

Duration of the Fellowship: The fellowship is for a period of 12 months, with the possibility to be extended to a maximum of 36 months; the planned starting date is the last quarter of 2020.

Monthly Maintenance Allowance Amount: The fellowship amount is 1600 € per month, according to the amounts defined the Research Scholarship Regulation of the Foundation for Science and Technology (Annex I of the Regulation No. 950/2019, published in the II Series of the DR of December 16).

Other benefits: Reimbursement of Voluntary Social Insurance, corresponding to the 1st Level of the contributory tax base (for fellowships with 6 months or more) and Personal Accident Insurance.

Composition of the Selection Jury:

- Ana Jacinta Pereira da Costa Soares (CMAT), President;
- Maria Irene Ferrão de Carvalho Ribeiro Almeida Falcão (CMAT), Effective Member;
- Marta Susana Ribeiro Ferreira (CMAT), Effective Member;
- Maria Fernanda Pires Costa (CMAT), Substitute Member;
- Carla Maria Alves Ferreira (CMAT), Substitute Member.

Selection Methods and Evaluation Criteria: The evaluation of the applications is based on the Candidate's Merit, which is mainly focused on the CV and on the following documents that the

candidate must present: Research Plan; Motivation Letter; two Recommendation Letters. For the evaluation of the Candidate's Merit, the following criteria will be applied, ranked from 1 to 5:

- **Criterion A – Curriculum Vitae (CP)**, weighted 50%

Subcriterion A1 – Papers published in peer review journals, weighted 50%

Subcriterion A2 – Conference presentations, weighted 20%

Subcriterion A3 – Participation in research projects, weighted 20%

Subcriterion A4 – Other elements relevant to the evaluation of the Curriculum Vitae, such as scientific recognition awards, scientific dissemination activities with impact on the community, student supervision, weighted 10%

- **Criterion B – Research Plan (PI)**, weighted 40%

Subcriterion B1 – Relevance to the CMAT activity, weighted 40%

Subcriterion B2 – Adequacy to the CMAT team and to the CMAT strategic project, weighted 40%

Subcriterion B3 – Feasibility of the work plan, weighted 10%

Subcriterion B4 – Perspicuity and structure of the work plan, weighted 10%

- **Criterion C – Motivation Letter and Recommendation Letters (CMR)**, weighted 10%

Candidates are ranked according to the classification obtained in the Candidate Merit (MC) by weighting the above Criteria A, B and C, through the following formula

$$MC = 0,5CP + 0,4PI + 0,1CMR.$$

There will be an individual interview only for Candidates with $MC \geq 4$. The interview will have a maximum duration of 15 minutes and may be conducted by videoconference.

The interview aims to evaluate the profile of the candidates and will be classified according to the following criteria, ranked from 1 to 5:

- **Criterion A – Oral communication (CO)**, weighted 50%

- **Criterion B – Attitude of the candidate (PC)**, weighted 50%

The classification obtained in Interview (ENT) is expressed by the following formula

$$ENT = 0,5CO + 0,5PC.$$

The final classification (CF) of the candidates that have been selected for the interview will be obtained by averaging the Candidate Merit (MC) weighted 95%, and the Interview (ENT) weighted 5%, according to the formula

$$CF = 0,95MC + 0,05ENT.$$

Publication of the results: The candidates will be notified by e-mail about the results, within 90 working days after the deadline for submitting applications. The period of 10 working days is defined for the purpose of a prior hearing of interested parties, according to Articles Nos. 121 and 122 of the Code of Administrative Procedure (Decree-Law No. 4/2015 from January 7).

Complaint procedures: The final results of the evaluation will be published through an ordered list (alphabetically, according to the Final Classification CF) which will be posted on the CMAT website. The list will be send by email to all candidates, attaching them if, for this purpose, the minutes with the jury's deliberations.

The selected candidate must communicate in writing the intention to accept the fellowship. In case of non-acceptance, the fellowship will be awarded to the successive candidate in the final ranking.

From the final decision, applicants may lodge a complaint to the President of the Jury, within 15 working days, or appeal to the Pro-Rector of the University of Minho for Research and Projects, Professor Filipe Vaz.

Period and Formalization of the Applications: The call is open from the 10th of September to the 2nd of October 2020.

The applications must be formalized by sending the following documentation:

- Curriculum Vitae;
- Certificate of the academic degree or honour declaration (when applicable);
- Research plan (5 to 10 pages) to be carried out during the period of the contract, that should be considered appropriate for the scientific activity developed at CMAT in one of the domains “Modeling and Simulation”, “Statistics”, “Optimization”, emphasizing the adequacy to the CMAT team and its strategic project;
- Motivation Letter;
- Recommendation Letters (two) by renowned Professors or Researchers in the Mathematics area, that should be send directly by them, by email, to

candidaturas@cmat.uminho.pt

indicating the reference **CMAT_BIPD_NameSurnameCandidate**;

- Copy of the most relevant papers (maximum three);
- Certificates of attendance in conferences;
- Any other documents that the candidate considers relevant to the evaluation of the Curriculum Vitae.

The candidates submit their applications by email to

candidaturas@cmat.uminho.pt

indicating the reference **CMAT_BIPD_NameSurnameCandidate**. Applications send by other way will not be accepted.