

1 Research Grant Announcement (M/F)

Call open for applications for a research grant within the framework of project “CARAVELA - Desenvolvimento e demonstração de building blocks para microlançadores”, financed by Fundo Europeu de Desenvolvimento Regional (FEDER), através do Programa Operacional Competitividade e Internacionalização (POCI, under the following conditions:

Scientific Area: Mechanical Engineering

Admission requirements: Candidates who cumulatively meet the following two requirements may apply for this grant:

Requirement 1:

- Be a student enrolled in a doctoral program in the area of Mechanical Engineering a requirement to be duly proven at the time of signing the contract.

and

Requirement 2:

- Hold a master’s degree in Mechanical or Civil Engineering_ or related field.

If the degree has been awarded by a foreign higher education institution, it must comply with the provisions of the Decree-Law no. 66/2018, of august 16th, and any formalities established there must be fulfilled until the time of signing the contract.

Activity Outline: Collaboration in the following stages of the project: i) Interstage micro-launcher mechanism: concept analysis, mechanism definition, validation and development of the mechanism engineering and execution plan (ii) validation and experimental tests.

Legislation and regulations: Law Nº. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow) and Regulation of Research Grants of Fundação para a Ciência e a Tecnologia, in force (<https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>) and Regulation of Research Grants of University of Porto.

Work place: The work will be developed at the Department of Mechanical Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professor Mário Augusto Pires Vaz.

Grant duration: Initial duration of **6 months**, with the predicted starting date in **september 2021**, on an exclusive basis eventually renewable but never exceeding the project duration.

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Stipend: The monthly amount of the grant varies between 1,104.64 euros, according to the table of values of the grants awarded directly by FCT, I.P. in Portugal, and 1,204.64 euros, depending on the profile and previous experience of the candidate in the project area.

If the amount to be paid exceeds 1,104.64 euros, the remaining amount will be provided by FEUP funds, not coming from the funding .

The payment will be made by bank transfer.

Selection procedure:

The curriculum of the candidates (60%) will be evaluated based on the merit of the candidate and will focus the following factors:

- a) Academic training (Master in _Mechanics or Civil_ 10 points; Others Masters – 2 points)
- b) Publications in the area of _the project 5 points, Publications in other areas – 2 points
- c) Research Experience in the project area – 5 points; in related areas – 3 points; Other areas – 1 point

The curriculum of each candidate will be evaluated in a 1-20 points scale. Candidates with less than 13 points in the curricular evaluation will not be invited for the interview (40%).

In the interview topics related with the work plan, experience and the candidate's CV can be discussed with the invited candidates.

Selection Jury:

President: Mário Augusto Pires Vaz (Prof Associado, DEMec)

Effective member: Rui Jorge Sousa Costa de Miranda Guedes (Prof Associado, DEMec)

Effective member: Pedro Miguel Guimarães Pires Moreira (Prof Auxiliar Convidado, DEMec)

Supplementary member: Pedro José Silva Carvalho Pereira Sousa, (Assistente convidado, DEMec)

Advertisement of final decision: The results of the evaluation will be released to the candidates by email to the email address indicated in the application process.

Deadline for applications and form of presentation of the applications:

The call is open from 02-08-2021 to 13-08-2021 (until 23h59m, GMT time).

Applications must be formalized by email to gmavaz@fe.up.pt and to recursoshumanos@fe.up.pt, clearly stating the reference **FEUP-Caravela-Mecânica**

and including the following pdf documents: Motivation letter, Copy of certificates evidencing academic degree (referring the classification of each separated or integrated degree), Curriculum Vitae;) and other documents considered relevant by the applicant.

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In order to assure that all documents can be read, the preferred saving format is the Portable Document Format (.pdf).

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