

RENEWABLE ENERGIES CHAIR
RESEARCH SCHOLARSHIP FOR MASTER DEGREE – 1 VACANCY

21st of April of 2023

A call for tenders is open for one Scholarship for Master Degree within the scope of the project NGS – New Generation Storage, Ref. C644936001-00000045, financed by the Portuguese Recovery and Resilience Plan program, through the European Union – NextGenerationEU (2022-C05i0101-02), under the following conditions:

Scientific area: Engineering and Environment

Admission requirements:

- _ Master of Solar Energy Engineering, or equivalent to the scientific area indicated. This is a mandatory condition.
- _ PhD student in Mechatronics and Energy Engineering. This is a preferential condition.
- _ Familiar with techniques and procedures for repairing photovoltaic modules and electrical energy storage technologies.
- _ Familiar with low-cost electroluminescence inspection of PV modules. This is an eliminatory condition.
- _ Preferably with knowledge and experience in the areas of photovoltaic energy systems, electric energy storage systems and applications.
- _ Good command of English and Portuguese, these will be the working languages.
- _ Good command of programming languages and experience in the use of mathematical simulation software (preference is given to the languages Matlab, Python and Labview).

As set forth FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for “BI” (Research Grants) must comply as a rule condition for the award of the scholarship, the effective inclusion in study cycles leading to the attribution of academic degrees or in courses not leading to an academic degree. Courses that do not confer an academic degree correspond to the courses provided for in subparagraph e) of paragraph 3 of article 4 of Decree-Law No. 74/2006 of 24 March and must be developed in a higher education institution in association with at least one R&D unit, including a course plan in one or several research areas of the unit.

Work plan:

The work plan foreseen for the Scholarship is related to the activities of the NGS project in the field of technological development and demonstration and includes:

- Analysis of the legal framework for photovoltaic and energy storage applications.

- Technical support in the R&D tasks included in the project.
- Study, analysis and definition of energy storage assets for the project pilot.
- Analysis and production of technical documentation related to the energy storage installation to be developed within the scope of the project.
- Support in procurement, commissioning, monitoring and data analysis of the battery storage facility, for reporting to the project partners and beyond.
- Support in the actions of dissemination and transfer of knowledge of the project.
- Support in the production of project reports and publication of scientific results.
- Support in the R&D tasks ongoing in the Renewable Energies Chair.

Applicable legislation and regulations: The granting of the Research Scholarship will be carried out upon the signing of a contract between the University of Évora and the scholarship holder, as set in the template [former.fct.pt/apoios/Minuta_Contrato_Bolsa.docx](https://www.fct.pt/apoios/Minuta_Contrato_Bolsa.docx), pursuant to the Research Scholarship Statute (Law No. 40/2004 of August 18 and Decree-Law No. 123/2019 of August 28) and in accordance with the legislation and Regulation of Research Grants of the Foundation for Science and Technology, IP in force, regulation nº950/2019 of December 16, 2019: <https://files.dre.pt/2s/2019/12/241000000/0009100105.pdf> and other applicable rules.

Place of work: The work will be developed at the Renewables Energies Chair of the University of Évora, under the scientific guidance of the Doctor Luis Fialho.

Duration of the scholarship(s): The scholarship will have a duration of 12 months, starting on June of 2023. The scholarship contract may be renewed to up to the end of the financing NGS project budget allocation.

Amount of monthly maintenance allowance: The amount of the scholarship corresponds to €1199,64, according to the table of scholarships awarded directly by FCT, I.P. in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), payments being made monthly, by check or bank transfer.

Selection methods: The selection methods to be used will be the following:

Academic Qualifications: 50%

Classification: 50%

Adequacy: 50%

Curriculum Analysis: 50%

Scientific Activity: 50%

Experience in requested topics: 50%

Composition of the Selection Jury:

President – Dr. Luís Fialho (Principal Researcher - Renewable Energies Chair)

1st Member – Dr. Afonso Cavaco (Researcher – Renewable Energies Chair)

2nd Member – Dr. Diogo Canavarro (Auxiliary Researcher - Renewable Energies Chair)

1st Substitute – Dr^a. Radia Ait El Cadi (Researcher - Renewable Energies Chair)

2nd Substitute – Dr. Pedro Horta (Chair holder – Renewable Energies Chair)

Advertising/notification of results: The final results of the evaluation will be publicized, through a list sorted by final grade posted in a visible and public place at the University of Évora (Renewable Energies Chair, Polo da Mitra), and the selected candidate will be notified by email.

To ensure the right of prior hearing of interested parties, the Final Classification project will be announced by any written means to all interested parties.

After communicating the provisional list of the results of the evaluation, candidates have a period of 10 working days to express their opinion in a preliminary hearing of interested parties.

Application deadline and submission of applications: The tender is open from 2nd of May to 16th of May of 2023 and the results of the selection will be published by 22nd of May of 2023.

Applications must be formalized, obligatorily, by sending an application letter with the following documents: ***Curriculum Vitae, certificate of academic qualifications and other supporting documents considered relevant.***

For the purposes of application, the evidence may be replaced by a declaration of honor signed by the candidate, but the failure to demonstrate that evidence, in the contracting phase, possession of the required degree on the deadline for application or the non-presentation of proof of enrollment in the study cycle or non-degree course, for scholarships with this component, imply the cancellation of the candidate's application.

Academic degrees obtained in foreign countries require registration by a Portuguese Institution in accordance with Decree-Law no. 66/2018, of August 16 and Ordinance No. 33/2019, of January 25th.

The presentation of the certificate is mandatory for the signing of the contract. More information can be obtained at: <https://www.dges.gov.pt/pt/pagina/reconhecimento?plid=374>

Applications must be sent by email to:

Doctor Luis Fialho

Renewable Energies Chair of the University of Évora

email: catedraer@uevora.pt