



Renewable Energies Chair

Research Scholarship for Master degree – 1 vacancy

JALON Project

24th of March of 2023

A call for tenders is open for a Research Scholarship for Master Degree, within the scope of the project JALON - Joining Actors for LOcal development of New large-scale regional energy communities, with the reference LIFE21-CET-ENERCOM-JALON/101076395 financed by national funds through LIFE and EU funding, under the following conditions:

Scientific area: Architecture

Admission requirements:

Integrated Master degree in Architectur. This is a mandatory condition;

Valid registration with the Order of Architects.

Experience in projects and/or studies of modular, prefabricated construction, sustainable communities, energy efficiency in buildings and thermal simulation of buildings;

Knowledge of the functioning of sustainable communities, integration of solar energy in buildings and its thermal performance (knowledge of the legislation in place in the area of buildings in the scope of energy efficiency and the SCE, Decree-Law n.º 101-D/2020);

Knowledge and experience in thermal simulation of buildings and related scientific research activities;

Experience in building dynamic thermal modeling and simulation (preferably EnergyPlus), valuing knowledge and experience in technical design software in 2D and 3D;

Preference is given to prior experience and/or participation in research projects in the field of renewable energy communities (CER);

Frequency of a cycle of studies leading to a degree related to architecture;

Proficiency in written and spoken Spanish is required.

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 planned works fall within the activities of the JALON project:

- Monitoring and participation in the participatory process for the implementation of the Renewable Energy Community (CER) in the region of Calatayud (Spain);
- Collaboration in defining a CER replication process with basis in the CER implemented in the Calatayud region so that it can be replicated in Portugal;
- Participation in the communication and dissemination activities of the JALON project;
- Contacts with companies and suppliers to define a strategy for replicating the JALON approach in Portugal;
- Contact with the competent authorities regarding the definition and implementation of Renewable Energy Communities in order to identify barriers and provide recommendations for improving the regulations in Portugal;
- Simulation of a sustainable community using modular and/or prefabricated construction within the framework of the regulation of renewable energy communities in Portugal;
- Active participation in the production of project deliverables;
- Participation and responsibility in the production of scientific publications based on the results obtained during the project work.

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 Renewable Energies Chair of the University of Évora, under the scientific guidance of the Doctor Afonso Cavaco.

Duration of the scholarship(s): The scholarship will have a duration of 12 months, starting in May of 2023. The scholarship contract may be renewed up to the end of the financing JALON 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: 25%

Experience in requested topics: 75%

Composition of the Selection Jury:

President – Dr Afonso Cavaco (Researcher – Renewable Energies Chair)

1st Jury member – Dr Luís Fialho (Principal Researcher – Renewable Energies Chair)

2nd Jury member – Dr Diogo Canavarro (Auxiliar Researcher – Renewable Energies Chair)

1st Substitute – Dr Radia Ait El Cadi (Researcher – Renewable Energies Chair)

2nd Substitute – Dr Pedro Horta (Chairman of the 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 12th of April of 2023 to 27th of April of 2023 and the results of the selection will be published by 3rd 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 relevant supporting documents.**

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/recognition?plid=374>

Applications must be sent by email to:

Doctor Afonso Cavaco

Renewable Energies Chair of the University of Évora

email: catedraer@uevora.pt



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