

## Call for applications to 1 (one) Post-Doc Research Fellowship

Within the scope of project NORTE-01-0145-FEDER-000010 – Health, Comfort and Energy in the Built Environment (HEBE), a call for applications to one Research Fellowship under the following terms and conditions is now open for a PhD holder:

**Work plan title:** Energy sufficiency towards sustainability.

**1. Duration and Regime of Activity:**

The initial contract duration is for 11 months on an exclusive according to the current regulation for Advanced Training and Qualification of Human Resources from the Science and Technology Foundation (FCT) in effect, <http://www.fct.pt/apoios/bolsas/regulamentos.phtml.en>, and INEGI's Fellowships Regulation.

**2. Brief Description of the Project:**

INEGI's Research Group for Energy has been doing research on the concept of energy sufficiency as a new framework for analyzing and understanding aspects of energy demand that are difficult to address effectively from an energy efficiency perspective. The aim of this work is to be able to gather new insights and develop new design tools to support policymaking towards more sustainable practices and systems with reduced energy demand and emissions in the Portuguese climate context. This will involve: (1) adapting principles of sufficiency to the context of energy demand in buildings, (2) creating a framework to lower energy needs in buildings through energy sufficiency, considering the building's construction elements as energy systems themselves, and (3) applying the resulting framework to evaluate the overall potential for energy savings in the local and national building stock. The above shall contribute to the group's publications on this topic, a conference and workshop on the topic of healthy and energy sufficient environments and support the work of junior researchers working on related topics.

**3. Workplace and Scientific Orientation:**

INEGI's facilities in Porto, Portugal under the supervision of Doctor Zenaida Mourão.

**4. Required academic background:**

Candidates should hold a PhD in the fields of Energy in Buildings, Building Physics or other related fields. The following will constitute advantages in the evaluation of candidates:

- i) Knowledge and experience in energy systems analysis, policy and regulation (preferably related to the built environment);
- ii) Knowledge and experience in building modelling and related tools;
- iii) Relevant publications in international peer-reviewed journals;
- iv) Supervision (or support) of the work of MSc/PhD students;
- v) Excellent interpersonal and communication skills;
- vi) Fluency in English.

**5. Fellowship Subsidy:**

Paid in accordance with the current values for a Scientific Research Fellowships in Portugal defined by FCT-Portuguese Foundation for Science and Technology (net pay of €1495 per calendar month), at the end of the month and by bank account transfer. Personal injury insurance is also covered as is the voluntary national social security in the applicable cases.

**6. Applicable Legislation and Regulation:**

The fellowship contract will be celebrated according to the “Regulations for Research Grants of the Foundation for Science and Technology” currently in effect, the INEGI Grant regulations approved by FCT and the Statute of Scientific Research Fellow Holder (Lei nº 40/2004 de 18 de Agosto and its successive amendments) <https://www.fct.pt/apoios/bolsas/docs/2015RegulationFellowships.pdf>.

**7. Selection Method:**

The selection consists of two stages. The first entails a curriculum evaluation (40% weight) to select candidates moving on to the next stage; while the second will consist of an interview (60% weight), preferably in person, with the purpose of producing an ordered list of selected candidates according to the specified selection criteria. Preferable selection criteria are: the scientific merit of the candidate; profile adequacy to the fellowship topics, motivation and relevant experience for the proposed work; demonstrated good interpreting and writing capabilities in English. The jury reserves the right to voiding the call if none of the candidates satisfies the specified qualifications.

**8. Selection Jury:**

President: Professor Pedro Camanho (INEGI vice-president). Other members: Professor Eduardo de Oliveira Fernandes, Doctor Zenaida Mourão.

**9. Application Documents:**

- i) Cover letter demonstrating suitability to the requested profile and motivation for the work topic;
- ii) Curriculum vitae;
- iii) PhD degree certificate;
- iv) English language certificate with degree / level (or equivalent demonstration of competencies).

**10. Application Deadline and Submission:**

The call is open from **11 June to 09 July 2018**. Application documentation may be submitted at INEGI’s official webpage at <http://www.inegi.up.pt> Working at INEGI | Available Vacancies, pressing Submit: work at INEGI | RH PHD HEBE 80/18.

INEGI’s Scholarship Support Office is open Monday to Friday, 10:00 to 12:00 at the Human Resources Services.

INEGI – Instituto de Ciência e Inovação em Engenharia Mecânica e Engenharia Industrial

Serviços de Recursos Humanos

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