

Call for 1 (one) Research Fellowship

Within the scope of project NORTE-01-0145-FEDER-000022 SciTech - Science and Technology for Competitive and Sustainable Industries - Research Line 3: Product and Systems Development, funded by Portugal 2020, a call for one Research Fellowship under the following terms and conditions is now open for a Degree in Mechanical Engineering:

Title of the Work Plan: Development of high performance electromechanical systems for harsh marine environments.

1. Duration and Conditions of Activity:

Duration of 12 months, **extendable to the end of the project**, forecasted to start in January 2019 in exclusivity regime, 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. Object of Activity:

The activity plan will be focused on:

- a) Realization of research and innovation projects in technological solutions for the marine environment, focusing on mechanical systems;
- b) Identification, characterization and evaluation of technological development needs / opportunities for the marine and maritime environment;
- c) Design of research and innovation projects for marine and maritime applications.

3. Location and Scientific Orientation:

The work will be undertaken at the INEGI facilities, Porto, Portugal under the guidance of Professor Pedro Camanho

4. Required academic background:

Degree in Mechanical Engineering.

Preference will be given to candidates that evidence:

- i. Knowledge in Finite Element Methods;
- ii. Knowledge in Fluid Dynamics (CFD);
- iii. Highly proficient in spoken and written Portuguese and English;
- iv. Dynamism, pro-activity and good communication skills;
- v. Knowledge of current and future challenges and opportunities in the marine and maritime sectors.

5. Fellowship allowance:

In accordance with the current values for a Scientific Research Fellowships in Portugal defined by FCT-Portuguese Foundation for Science and Technology (745 Euro per month), (www.fct.pt/apoios/bolsas/valores) paid at the end of the month by bank account transfer. Personal injury safety is also cover as is voluntary 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, to the INEGI Grant regulations approved by FCT, and to the Statute of Scientific Research Fellow Holder (Lei nº 40/2004 de 18 de Agosto, and its successive amendments) www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf

7. Methods of selection:

The selection method consists of two phases. In a first phase a curriculum evaluation (40% weight) will be performed to select candidates passing to a second phase; in a second phase, the selected candidates will be interviewed (60% weight), with the purpose of producing an ordained 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 project of the call; sustained demonstration of good interpreting and writing capabilities in English. The jury reserves the right to voiding the call in case no suitable candidates are presented that satisfy the specified qualifications.

8. Composition of the selection Jury:

President: Prof. Doctor Pedro Ponces Camanho; Vowels: Prof. Doctor Renato Jorge Natal and Doctor António José Caetano Baptista.

9. Form of publication / notification of results:

Final results of the evaluation will be published online at <http://www.inegi.up.pt>.

10. Application documents:

- a) Motivation letter, demonstrating the candidate's suitability for the required profile;
- b) Curriculum Vitae;
- c) Master's degree (or equivalent) certificate with a list of attended subjects (with grades);
- d) Certificate of degree/level in English and Portuguese language for applicants from a foreign country.

11. Dates and places of application:

The call is open **from 28th November to 9th of December 2018**. Application documentation may be posted to the official INEGI's page at www.inegi.up.pt in Working at INEGI | Available Vacancies, pressing **Submit**

The Scholarship Support Office of INEGI is open Mondays to Fridays, 10:00 to 12:00 at the Human Resources Services.

INEGI - Human Resources Services

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