

CALL FOR 1 Master RESEARCH FELLOWSHIPS

Applications are open for 1 fellowship, Master, within the framework of project Inversão Modelo Física das Rochas, refª AD0304, under the following conditions:

Scientific Area: Mining and Petroleum Engineering

Admission Requirements: Master degree in Petroleum Engineering or related discipline, preferably on geostatistics, geophysics, mining engineering or geology. Compulsory deep skills on Python programming language. Availability to work in an interdisciplinary environment. Programming skills in C++ is highly valuable.

Workplan: Under a 3-years program integrated in a Petrobras funded project, the proposed research will develop and implement innovative geostatistical tools for seismic reservoir characterization. The main objective is to implement new geostatistical seismic reservoir workflows (i.e. geostatistical seismic inversion) directly for rock properties while integrating multi-scale uncertainty. This includes the development and integration of new methods of stochastic simulation algorithms based on self-learning concept.

Legislation and Regulations:

Lei n.º 40/2004, de 18 de agosto (Estatuto do Bolseiro de Investigação Científica) (*Statute of Scientific Research Fellow, approved by Law n. 40/2004, of August 18*);

Regulamento de Bolsas de Investigação da Fundação para a Ciência e a Tecnologia em vigor (*Research Fellowships Regulation of the Foundation for Science and Technology, IP, in force*) (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf);

Regulamento de Bolsas de investigação do IST (Research Fellowships Regulation of IST).

Workplace: The work will be developed at CERENA of Instituto Superior Técnico, under the scientific supervision of Leonardo Pereira

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in June 2019, and may be eventually renewed up to the maximum of 36 months.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is €980,00 being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: Curriculum evaluation and individual interview* weight 50% each component. Only the best three candidates based on the curriculum evaluation will be interviewed.

It allows the selection of citizens from Third Countries, in accordance with article 14 of the Research Fellowships Regulation of the Foundation for Science and Technology, IP – 2015.

Composition of the selection Jury: Leonardo Pereira, Amílcar Soares e Maria João Pereira

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Application deadline and formalization: The call is open from 14/01/2019 until 15/03/ 2019

It is mandatory to formalize applications with the submission of the following documents: B1 Form – Fellowship application (<http://drh.tecnico.ulisboa.pt/bolseiros/formularios/>), *Curriculum Vitae*, *academic degree certificate and motivation letter*. Applications must be submitted to the email: *juliar@tecnico.ulisboa.pt*