



LaMEP

Petroleum Engineering Modelling Laboratory

Federal University of Paraíba • Center of Informatics • Scientific Computing Department

International Call for Research Postdoctoral Fellowship Position at LaMEP/UFPB Brazil

The Petroleum Engineering Modelling Laboratory - LaMEP, located at Federal University of Paraíba (UFPB), in João Pessoa - Brazil, in partnership with the Technology Park Foundation of Paraíba (PaqTcPB) and the Petrobras Research Center (CENPES) open this international call for applicants interested in occupying a 1-year (extendable) postdoctoral fellowship position at LaMEP. The applications must comply with the following guidelines.

Who may apply?

Candidates that:

- hold a Ph.D. degree or equivalent in Computational and Mathematical Modelling, Engineering, Computing, Math, Physics, Geophysics, or alike;
- have background and expertise in code deployment, scientific computing and programming skills in OOP, such as C++ and Python, computer systems, such as Matlab, Octave, or similar;
- are interested to live in Brazil and work locally;
- have authored or co-authored at least 2 international peer-reviewed papers in the last 2 years;
- are comfortable to face new research challenges;
- enjoy teamwork;
- master formal English language;

What are some other skills we appreciate, but are not mandatory?

- knowledge about GPU programming in CUDA, or openCL, or MATLAB parallel vectoring;
- experience with petroleum-related research;

What is the project subject?

Reservoir characterisation and modelling for oil recovery aided by computational simulations.

How to apply?

- Attach at least two recommendation letters, your résumé and a one-page cover letter by highlighting your main achievements and why you would like to work with us.
- Then, mail your documentation to: **lamep@ci.ufpb.br**. Please, while sending your application, use this subject template: "Postdoc Application 2019 - YOUR NAME".

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When to apply?

Applications will be open from **March 25th to April 30th, 2019**.

When the selection will be available?

The successful applicants will be **contacted by May, 15th, 2019**.

Whom to ask for more information?

Inquiries should be addressed to Prof. Waldir Roque at roque@ci.ufpb.br. Please, assign to the subject field the text: "LaMEP Postdoc Call".

What are the benefits?

The candidate will earn a monthly net stipend ranging from 1360 - 1850 USD (conversion rate: 1 USD = 3.84 BRL) based on his/her professional experience. Please, note that this range is considered above average for Brazilian monetary standards.

What about the LaMEP facilities?

LaMEP is located at the Center of Informatics, in a small campus outside the main UFPB campus. The candidate will work at a co-working environment with access to modest HPC equipments. To know more, visit our website: lamep.ci.ufpb.br.

João Pessoa, March 15th, 2019.

LaMEP Scientific Committee

Prof. Dr. Moises Dantas dos Santos (Coordinator)
Prof. Ph.D. Waldir Leite Roque (Vice-Coordinator)
Prof. Dr. Gustavo Charles Peixoto de Oliveira