



Opportunity at the Research Center in Reservoir Engineering and Oil Production Management - EPIC (Energy Production Innovation Center)

The **Research Center in Reservoir Engineering and Oil Production Management - EPIC** has opened a call for applicants for fellowship opportunity funded by **FAPESP** in **Production optimization using reservoir simulation models**, on the topic **Reservoir Simulation and Management (LASG – USP)**.

Currently, EPIC has the following fellowship opportunity:

VACANCY (Code)	PROFESSOR	TOPIC	REQUIREMENTS
Ph.D. (RL1 – 1.1.1)	<u>Prof. Dr. Marcio Augusto Sampaio Pinto</u> Escola Politécnica da USP	Improvement of Production Optimization Using Derivative-Free Methods	Strong mathematical background, particularly in Optimization methods and some experience with Python programming.
Ph.D. (RL1 – 1.2.1)	<u>Prof. Dr. Marcio Augusto Sampaio Pinto</u> Escola Politécnica da USP	New Parameterization Methods Applied to Data Assimilation for Carbonate Reservoirs	Strong reservoir simulation background, particularly in history matching, some experience with Python programming and Machine/Deep Learning.

The applicants must send the following documents by e-mail to Marcio Augusto Sampaio Pinto (marciosampaio@usp.br) until September 22th. Please inform the corresponding vacancy code in the subject:

- 1 Resume and full academic records, including the GPA;

- 2 A motivation letter, written in English, explaining the interest in the vacancy (please inform the vacancy code) and your motivation for joining the research center;
- 3 Two recommendation letters;
- 4 Master dissertation.

An interview will be scheduled after the analysis of the applicant's documentation.

Important:

- All vacancies require fluency in English.
- The project can be carried out indistinctively under the Postgraduate Studies Program in Mining and Petroleum Engineering of Escola Politécnica of the University of São Paulo. The prospective students must register for the pertinent selection processes for entry in this year.
- For more details on the candidate's requirements, check out Fapesp's webpage <https://fapesp.br/bolsas/dr>