



Opportunities at the Artificial Lift and Flow Assurance Research Group - ALFA

The **Artificial Lift and Flow Assurance Research Group** has opened a call for applicants for fellowship opportunities funded by **PETRONAS** in the area of: **a) Phenomenological Modeling and Numerical Simulation in Transient Multiphase Flows** and **b) Experiments in Multiphase Flows with Image/Video Processing**.

Currently, ALFA has the following fellowship opportunities:

VACANCY (code)	PROFESSOR	THEME	REQUIREMENTS
Post-doctoral (PN_PD_1)	Prof. Marcelo Souza de Castro – FEM/UNICAMP	PHENOMENOLOGICAL MODELING AND NUMERICAL SIMULATIONS OF MULTIPHASE FLOWS IN PIPES	Ph.D. in Mechanical, Petroleum, Chemical or Control and Automation Engineering, or similar areas related to modeling and numerical simulation of multiphase flows.
Post-doctoral (PN_PD_2)	Prof. Marcelo Souza de Castro – FEM/UNICAMP	EXPERIMENTS IN MULTIPHASE FLOWS IN PIPES	Ph.D. in Mechanical, Petroleum, Chemical or Control and Automation Engineering, or similar areas related to image processing, multiphase flow and experimental study.

The applicants must send the following documents by e-mail to Prof. Marcelo Souza de Castro (mscastro@unicamp.br) and Dr. William Monte Verde (wmv@unicamp.br) until 30th September. Please inform the vacancy code *PN_PD_1* or *PN_PD_2* 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 letters of recommendation.
- 4) Scientific publications, Master and Ph.D. Thesis.

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

Important:

- All vacancies require an advanced level in English.



- All vacancies are full-time research opportunities.
- The post-doctoral fellowship lasts for 24 months with a monthly amount of R\$ 8,601.21, access to the health-care system of UNICAMP, with possibility of extending the fellowship for another 12 months.