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reasoning for complex data

Artificial Intelligence & Petroleum Engineering Post-doctoral Fellowship

We **seek candidates** for **post-doctoral fellowship** positions to work at the [Recod.ai](#) Lab. at the Institute of Computing - [IC](#), and [UNISIM](#) Lab. at the Center for Petroleum - [CEPETRO](#) in the University of Campinas, [Unicamp](#), Campinas, SP, Brazil.

The position is part of a partnership between the university and private companies in the oil and gas field. The scholarship is until December 2023 with the possibility of continuity according to results and the developed activities.

The Position

The candidate selected for this fellowship position will perform research and development in the areas of reservoir engineering, production forecasting and optimization, and artificial intelligence in collaboration with graduate students and partners. The candidate is expected to collaborate with scientific publications, technical reports, and technical presentations to stakeholders.

The post-doctoral fellowship includes a monthly stipend of R\$ 9,000.00 and access to the health-care system of Unicamp.

The key aspects we look for are:

- Solid background in oil and gas
- Fluency in English
- Willingness to learn and availability to work full-time within the project
- Basics in Machine Learning techniques
- Excellent ethical standards and good communication skills

It will be a plus if the applicants have:

- Good knowledge in statistics and evaluation
- Knowledge in programming, preferably in an object-oriented language (e.g., Python)
- Knowledge in capacitance-resistance modeling (CRM) or numerical reservoir modeling

How to Apply

Interested candidates should fill the [online application form](#) adding the listed documents.

1. A **motivation letter** for the application;
2. A **recommendation letter** from a previous supervisor;
3. **Curriculum vitae** with a list of publications, education background, research track-record and experience, and copy of diplomas/degree certificate(s).



Application deadline:
January 24th, 2023

Additional Information

Eligibility Criteria Ph.D. in Petroleum Science and Engineering or related areas. In case you have any doubts about a possible related area, drop an email to Prof. Anderson Rocha (arrocha@unicamp.br) or Alexandre Ferreira (melloferreira@ic.unicamp.br).

- Knowledge in continuous data and time-series analyses is highly welcome.

Selection process It will be based on the motivation letter for the application, recommendation letter from a previous supervisor, curriculum vitae with a list of publications, education and experience, and copy of diplomas/degree certificate(s). An interview with the finalists shall take place via Telecom.

Information About Campinas

- + Campinas, the most surprising city of Brazil https://youtu.be/nool_9y02vE
- + University of Campinas (Unicamp) https://en.wikipedia.org/wiki/University_of_Campinas