

Lead institution: Escola Politécnica da USP	
Supervisor name: Jose Reinaldo Silva	Department: Engenharia Mecatrônica
Recipient: https://sites.usp.br/rcgi/opportunities/ Ref: 23MSc235 – Master scholarship Deadline for submission: July 29th, 2023	Type: MSc Scholarship Period: (hours/week) 40 Number of months: 24 Intended beginning date: August 1 st , 2023
Project title: (Portuguese and English) Emissão de Gases de Efeito Estufa na Amazonia: Análise de Dados e Sistema de Serviço Greenhouse Gas Emissions in Amazon: Data Analytics and Service System	
Research theme area: (Portuguese and English) O tema das dissertações associadas a essa oferta de bolsa está ligado aos métodos de modelagem, design e gerenciamento de data lakes na nuvem, para suporte à transformação digital de grupos de pesquisa em GHG. The scholarship offers covers dissertations that will address the modelling approach, design and management of data lakes in the cloud, to support research groups in GHG.	
Abstract (Portuguese and English) O candidato irá colaborar com os pesquisadores do projeto GHG D1 do FAPESP-Shell Centro de Pesquisa para a Inovação de Gases de Efeito Estufa da POLI-USP na Universidade de São Paulo. Resumo do programa e os projetos podem ser encontrados no site da RCGI (http://www.rcgi.poli.USP.br/). The candidate will collaborate with researchers from the project GHG D1 of the FAPESP-Shell Research Centre for Greenhouse Gas Innovation of POLI-USP at the University of São Paulo. Summary of the program and projects can be found at the RCGI website (http://www.rcgi.poli.usp.br/).	
Description (Portuguese and English) Os candidatos devem portanto estar preparados para uma temática que inclui: <ul style="list-style-type: none"> • Engenharia de Sistemas • Inteligência Artificial • Modelagem de Dados • Cloud Manufacturing Services O desenvolvimento será feito na nuvem AWS. The applicant will have to be prepared to work in the following topics:	

1. Systems Engineering
2. Artificial Intelligence
3. Data modelling
4. Cloud Manufacturing Services

All developments will be done in the AWS cloud.

Requirements to fill the position. (Ex: specific experience, minimum or maximum years after concluding the course) (Portuguese and English)

Este projeto é adequado para um candidato altamente motivado e requer habilidades de Projeto em Engenharia, experiência em programação básica e proficiência em inglês são necessárias.

- O candidato deve ser graduado em Matemática, Física, Computação ou Engenharia.

This project would be well-suited to a highly motivated candidate requiring Project development skills, experience in basic programming and proficiency in English are required.

- The postdoc candidate should hold a degree in Mathematics, Physics, Computation or Engineering.

Funding Notes: This MSc scholarship is funded by FUSP. The scholarship will cover a standard maintenance stipend of R\$ 2.349,60 per month for MSc first year and R\$ 2.494,20 per month for MSc second year.

Work place: D-Lab: Rua Prof. Mello Moraes 2231, Cidade Universitária

Documents/Information to be Sent:

Ref: 23MSc235

- 1) Fill-in the application form:

<https://docs.google.com/forms/d/e/1FAIpQLSfV4KkheEQeMJKiDnkVkOOiDm5pvKU28bFJR5uNhYpJgU0Dhw/viewform>

Deadline: July 29th, 2023

In case you have any question, please write to rcgi.opportunities@usp.br