

# Post-doctoral Service System to the Analyses of Green Gases Emission

Ecole/Institution/Société:

**University de São Paulo , Brazil / Sao Paulo**

Discipline:

**Systems Engineering**

Type d'emploi::

**Full-time**

Date de publication:

**2021-10-16**

Personne à contacter:

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## **Post-doctoral Service System to the Analyses of Green Gases Emission**

### **Job Categories**

- Post-Doc

### **Academic Fields**

- Mechatronics
- Mechanical Engineering
- Engineering Mechanics
- Electrical and/or Electronics
- Computer Engineering
- Computer Science
- Engineering - Otheranalyses of Green Gases Emission

### **Abstract**

The candidate will collaborate with researchers from the project GHG-D1.1of the FAPESP-Shell Research Centre for 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**

The applicant will contribute in line with the main objectives of the project:

- Building of the cloud structure, definition of services and metadata to apply Data Science and Artificial Intelligence methods to GHG analysis
- Design of the Intelligent Information Service with data process-based analysis algorithms
- Development of intelligent test services to pre-process GHG analysis
- Implementation of the service system

### **Requirements to fill the position**

The available position is suitable for candidates with a doctoral degree in Computer Science, Computer Engineering, Electrical, Mechanical, or Mechatronics Engineer. It is expected that

candidates have academic interest and skills using cloud services, data systems, and Web systems, as defined by W3C. It is also required knowledge about Artificial Intelligence.

The postdoc research will explore Model-Based Systems Engineering and Service Science to incept, model, and implement a Cloud Service System using AI approaches. The target service should find resources, processes, and data to support green gases emission analysis to serve researchers with different backgrounds and interests. Therefore, it will explore user coupling and the value co-creation approach.

## **INFORMATION ABOUT FELLOWSHIP:**

This Postdoc fellowship is funded by FUSP. The fellowship will cover a standard maintenance stipend of R\$ 7.373,10 per month.

## **MORE INFORMATION:**

<https://www.rcgi.poli.usp.br/opportunities/>

Position: Post-Doctoral REF: 21PDR130

## **Contact**

RCGI

Human Resources

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