

<b>Lead institution:</b> University of São Paulo <b>IEE – Instituto de Energia e Ambiente da Universidade de São Paulo (Institute of Energy and Environment)</b>	
<b>Work Address of the position:</b> Av. Prof. Luciano Gualberto, 1289 - Butantã, São Paulo - SP, 05508-010	
<b>Supervisor name: Profa. Dra. Dominique Mouette, Profa. Dra. Hirdan Katarina de Medeiros Costa</b>	<b>Supervisor department: Institute of Energy and Environment and EACH</b>
<b>Co-supervisor: Prof Dr Edmilson Moutinho dos Santos</b>	<b>Co-supervisor department: Institute of Energy and Environment</b>
<b>APPLY AT:</b> <a href="http://www.rcgi.poli.usp.br/opportunities">www.rcgi.poli.usp.br/opportunities</a> or <a href="https://goo.gl/p4ifHx">https://goo.gl/p4ifHx</a>  <u>Position 17PDR004</u>	<b>Type: POS-DOC (40 hours weekly)</b> <b>Duration: 3 years</b> <b>APPLICATION DEADLINE: JULY, 10</b>
<b>Project title: Paulista Blue Corridor and Setting up of the Brazilian and Paulista Natural Gas Law Service</b> <b>Pos doctoral scholarship <u>REF 17PDR004</u></b>	
<b>Research theme area:</b> Economic, Planner and Analysis of natural gas legislation	
<b>Abstract:</b>  This project is expected to be developed in collaboration with researchers from Projects 21 and 25, eventually Projects 26 and 28 of USP's Research Centre for Gas Innovation – RCGI (summary of these projects in found in the RCGI website at <a href="http://www.usp.br/rcgi">www.usp.br/rcgi</a> ).  Candidates with Energy Planning expertise will work with convergent models for Brazilian reality elaborating Law Comments and Analysis, as well alternative long-term scenarios, including taxation and incentives policies.	
<b><u>Description:</u></b>  The primary objectives and roles of the position are to; <ol style="list-style-type: none"> <li>1) Literature review of São Paulo State level statutes, regulations, board policies and rules, and main Municipal legal measures. Literature review of energy policies, including fiscal incentives and public policies, as well as rules on building, mapping energy systems and its regulation issues;</li> <li>2) Interviewing leading natural gas law specialists;</li> <li>3) Interviewing fleet operators and entrepreneurs from the transport sector;</li> <li>4) Preparation of expert comments, including own comments;</li> <li>5) Writing and proofreading (testing of different formats for the Law Service;</li> <li>6) To assess energy potential, offer and energy sources, additional infrastructures needed and corresponding costs;</li> <li>7) Support on econometric analysis and Brazilian taxation is crucial to achieve relevant results;</li> <li>8) The candidate, after an international selection, will be in charge of working on modelling of</li> </ol>	

energy scenarios and econometrics, according to the theoretical basis explained briefly above;

- 9) Analysis of barriers and incentives on natural gas Market, mainly in trucks.
- 10) Law analysis on natural gas in transport sector;
- 11) Writing recommendations and propositions on natural gas regarding public policies and its incentives, aiming to diversify the national energy matrix;
- 12) The researcher is expected to develop his/her research jointly with the other researchers of the mentioned projects, in order to allow him/her to receive the inputs needed for the research and to offer the adequate results to all involved projects;
- 13) This interface proposed for the 2 projects will be extremely significant, allowing a more productive use of human resources and contributing to achieve more rapidly the different objectives of each project;
- 14) To set the location of a blue corridor in the State of São Paulo;
- 15) To carry out a survey of the necessary infrastructure for its deployment, including the costs of adapting vehicles to use natural gas;
- 16) To conduct a substitution simulation of the diesel fueled truck fleet for same size vehicles powered by natural gas and estimate fuel consumption and pollutants and greenhouse gases emissions;
- 17) To Analysis factors that may hinder or encourage the use of liquefied natural gas in the transportation sector;
- 18) To propose industrial policies and strategies that could lead to development and implementation of the blue corridor in São Paulo.

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

This project would be well-suited to a highly motivated individual, who are a graduate or has experience in Management, Public Policy, Law, Account, Economics, International Relations or Foreign trading, including experience on Energy Planning and knowledge of public policies. It is required an undergraduate, master and doctorate overall grade above 7.0. Special cases above 6.5/10.0 will be also considered.

**Duration of the scholarship: Three years.**

#### **Information about the FELLOWSHIP**

The selected candidate will receive a FAPESP Post-Doctoral fellowship in the amount of R\$ 6.819,30 monthly payed in Reais and a research contingency fund, equivalent to 15% of the annual value of the fellowship which should be spent on items directly related to the research activity, as well as displacement funding, if necessary and applicable. More information about the fellowship is at: [fapesp.br/en/postdoc](http://fapesp.br/en/postdoc).