



Post-Doc Fellowship at IPEN

A FAPESP Post-Doctorate Fellowship is available at the Fuel Cell and Hydrogen Center (CCCH), Energy and Nuclear Research Institute (IPEN-CNEN/SP), Brazil, as a part of the thematic project “Studies on the use of bioethanol in Proton Exchange Membrane and Solid Oxide Fuel Cells” funded by FAPESP. **The fellowship has duration of 6 months**, starting in February 2019.

The post-doc fellow will take part in the research of hydrogen production by steam reforming process. We seek a candidate with laboratory experience in the preparation and characterization of catalysts and catalytic tests. Skills in the preparation of catalysts, including the synthesis of nanoparticles and supported catalysts, are requested. The candidate is expected to have expertise in different characterization techniques such as: energy dispersive X-ray spectroscopy (EDX), X-ray diffraction (XRD), transmission electron microscopy (TEM), metal area and dispersion measurements (chemisorption), specific area (BET) and infrared spectroscopy (IR). It is desirable knowledge on X-ray absorption spectroscopy techniques, such as XPS, EXAFS, and XANES, with previous projects on synchrotron light sources. Experience in vapor phase catalytic test system and gas chromatography (GC) is essential.

The interested candidates may send:

- i)* Curriculum Vitae in Lattes format, found in *lattes.cnpq.br*, containing the citations link to the *Researcher ID (researcherid.com)* profile of the candidate;
- ii)* letter of motivation (max. 2 pages), describing the skills of the candidate with emphasis on the expertise required for this project; and
- iii)* two recommendation letters, sent directly from the e-mail address of the person selected as reference (preferably, ex supervisors). The documents must be sent by e-mail with subject “**Post-doc Ethanol – Candidate’s Name**”, to the electronic address egp01@ipen.br. Additional information can be obtained on the same e-mail address.

The deadline for the application is **November 30, 2018**.

Information concerning the FAPESP fellowship is available in <http://www.fapesp.br/en/postdoc>.