



NOTICE DVACAD/IEE-USP/004/2022 (ABSTRACT)

The Dean of the *Instituto de Energia e Ambiente da Universidade de São Paulo* announces the opening faculty position (position 1236342, full-time position service), specialty “Energy Technology.” Interested applicants should hold a Ph.D. The position requires a commitment to teaching and the ability to conduct independent research. Applications will be accepted between December 1st, at 8 a.m., to January 29th, at 5 p.m. (GMT-3). The entry-level monthly salary (MS3 level) is R\$ 13,357.25 plus benefits.

The public competition will cover the following program:

1. Direct current power distribution networks;
2. Isolated and grid-connected mini-grids;
3. Smart meters and measurement systems;
4. Wireless communication applied to smart power networks;
5. Intermittent generation and stability of the electrical system;
6. Power quality and EMC in distribution networks with high penetration of distributed generation;
7. Large-scale electrical energy storage systems: advantages and disadvantages;
8. Electric energy consumption pricing model;
9. Applications of electrical energy storage systems;
10. Energy efficiency and distributed power generation;
11. Transition to electric mobility: challenges and benefits;
12. Automation in control of smart power grids;
13. Integration of mobility infrastructure and V2G electricity;
14. Virtual Power Plants;
15. Blockchain applied to the electrical system.

The public competition will be governed by Brazilian constitutional principles, notably that of Impersonality, as well as by the Statute and the General Regulations of the Universidade de São Paulo and the Regulations of the Instituto de Energia e Ambiente.

Applications must be submitted exclusively via the website <https://uspdigital.usp.br/gr/admissao> in the period indicated above. The candidate must submit an application letter to the *Instituto de Energia e Ambiente* Director.

More information and rules relevant to the public competition of titles and tests are available to interested parties at the Academic Division of the *Instituto de Energia e Ambiente da Universidade de São Paulo*, located at Av. Professor Luciano Gualberto, 1289, Building F, rooms F-14 and F-21, Telephone 5511-3091-2505 and 5511-3091-2524, electronic address divisaoacademica@iee.usp.br, or on our website [Academic Division | Institute of Energy and Environment - IEE/USP](#)