



AALBORG UNIVERSITY
DENMARK

PhD Position within Low Voltage DC MicroGrid Management and Control

Within the programme Science without Borders, Aalborg University is offering a PhD position at the Department of Energy Technology, Pontoppidanstræde 101, DK-9220 Aalborg East.

The position is administrated by "Science without borders" and financed by stipends through CAPES. The overall theme is "Renewable Energy". Acceptance of employment is on condition of the grant from CAPES.

Description: The idea is to integrate Low Voltage DC 380V microgrids for buildings and communication centers. The goal is to develop and open architecture, with power conversion and distribution in DC form, more direct and efficient integration of renewables, batteries, and others. New control architectures for intelligent DC microgrids will be explored. Aspects for building integration will be also considered.

DC MicroGrid coordinated control with communication control systems. Voltage control, grid interfaces and interaction, energy storage devices coordination.

Requirements

Master on Electrical Engineering, Power Electronics, Control, or equivalent
Language English

Contact person: Professor Josep M. Guerrero, e-mail: joz@et.aau.dk

To apply please see the link below:

<http://www.en.tek-nat.aau.dk/vacant+positions/Science+without+Borders/>