Sources, reversibility, storage

Component
École Nationale Supérieure d'Électrotechnique d'Électronique d'Informatique d'Hydraulique et des Télécommunications

In brief

- **plugin.odf-inp:PLUGINS_ODF_COURSE_NBHOURS_TXT:** 8.75
- **Code:** NEGA5D

Presentation

Objectives

The course objective is to know and understand the operating principle of the main electrical energy sources and energy storage elements.
At the end of the course, the student will be able to determine the static and dynamic models of some electrochemical components: fuel cell and battery.
The student will also be able to identify the different architectures of wind energy conversion.

Description

This course allows the student to know the different electrical energy sources, the different elements of energy storage and clean energy vectors.
A modeling of the electrochemical components (fuel cell, battery) is proposed.
Concerning renewable energies, the student discovers through this course the different configurations of wind energy conversion.
The photovoltaic conversion is not treated in this course

Useful info

Place

Toulouse