

Title

**Experimental methods for fuel cells characterization**

Teacher

**Rodolfo Taccani**

Length

**8 h (1 CFU)**

Educational objectives

The lecture will start from the fundamental electrochemistry and thermodynamics, with emphasis on the performance of fuel cells systems. The objective of the course is to give the students a solid foundation upon which they will be able to experimentally assess the performance of single cell, stack and fuel cells power plant.

Contents

Basic Electrochemical Principles

Basic Thermodynamics of Fuel Cell Systems

Polarization Curve

Experimental characterization of single cell, stack and fuel cell systems