**Course offered for the PhD program**
**in Civil, Chemical and Environmental Engineering**
**Curriculum in Chemical, Material and Process Engineering**

(open to the participation of students from other PhD courses)

## 1. Title
Electrochemical techniques: principles and applications

## 2. Course Description
The goal of the course is to illustrate the main electrochemical techniques in continuous current that can be applied to the study of several electrochemical processes in the fields of energy storage and conversion (fuel cells, batteries), environmental remediation and materials.

## 3. Course Organization
The course consists of classroom lessons (4 hours) and laboratory exercises (6 hours). The course will be made in 2 days, each including 2 hours of theory and 3 laboratory.

## 4. Teacher
The course is held Prof. Marco Panizza

## 5. Duration and credits
The course has a total duration of 10 hours for a total of 2 credits.

## 6. Activation mode and teaching period
The course will be activated if a minimum number of 2 students is reached. It will be held in the months of January – February 2023. To register contact the teacher: email: marco.panizza@unige.it.

## 7. Deadline for registration
Register by December 2022

## 8. Final exam
Participants must write a report on laboratory experiences and make a discussion of these reports.