

# Electrical phenomena at interfaces

Composante  
**Sciences Fondamentales et Appliquées**

## En bref

- # Langue(s) d'enseignement: Anglais
- # Ouvert aux étudiants en échange: Non

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## Présentation

### Description

Electrohydrodynamic phenomena are complex physical mechanisms due to the interaction between electrical charges and flowing fluids (gas or liquids). Their study requires knowledge of physics and fluid mechanics. In practice, these phenomena result in the motion of a fluid by the application of an electric field, or inversely by the generation of an electric current due to a fluid flow. In this course, the phenomena of charge creation at the solid-fluid interfaces as well as the exchanges of electrical charges at these same interfaces will be explained and studied.

### Heures d'enseignement

CM	CM	8h
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