

Special session
on

Modelling and simulation of electrochemical processes

ABSTRACT

Nowadays the fuel cells and the batteries are playing an increasing role in application varying from computers to automotive industry. They are subject of intensive theoretical and experimental research. The goal of the special session is to bring together researchers working on modelling and simulation of electrochemical processes related to fuel cells and batteries. The discussion will include (but will not be limited to):

- Microscopic and macroscopic modelling of battery and fuel cell;
- Numerical methods for the coupled system of nonlinear PDEs;
- Developing of software;
- Computational experiments.