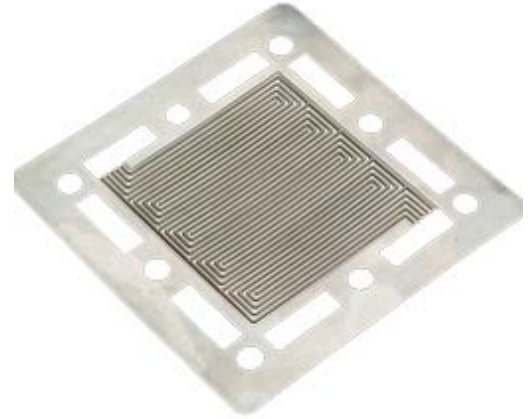


Work on tomorrows Energy Solutions – today!

Master theses available in the Fuel Cell Group

The Fuel Cell Group focuses on the development of metallic fuel cell materials mainly for solid oxide fuel cells. We are probably the largest group working on fuel cells in Sweden and the most productive group on metallic fuel cell materials worldwide.

We constantly have possibilities to offer master theses with different topics. Depending on your interests we can offer work from fundamental studies of interconnect degradation up to development of new coating systems for improved electrical and corrosion properties. A large part of our research is carried out on commercial materials and includes samples from real fuel cell stacks from our industry partners. Together, we can define a subject for your thesis, which depending on your interest, can be more focused on chemistry or on analysis techniques such as XRD, SEM, FIB or TEM. We are a frequent user of CMAL (Chalmers Materials Analysis Lab) where we have access to top of the line instruments.



We have good collaboration with several industrial partners such as Sandvik or Powercell but also international collaborations with almost every major SOFC company in Europe.



We offer:

- Well-equipped laboratories
- Industry contacts
- A springboard for a career in sustainable energy engineering
- A fun work environment

We seek someone with:

- A background in chemistry, physics or materials science
- Interest in research
- Self driven attitude
- Motivation and curiosity

If you are interested contact jan.froitzheim@chalmers.se and let's sit down for a talk what YOU want. The earlier you contact us the easier it is for us to develop a project that fits your interests.