

## Professor in High Temperature Solid State Electrochemistry

Department of Energy Conversion and Storage at the Technical University of Denmark invites applications for a position as professor with special assignments (MSA) in research. The scientific focus is high temperature solid state electrochemistry.

DTU Energy Conversion is focusing on the development of new and improved materials and technologies for energy conversion and storage, e.g. fuel cells and electrolysis, membranes, synthetic fuels, batteries, flue gas purification, solar cells, magnetocaloric refrigeration and heat pumps, and thermoelectric generators.

### Responsibilities and tasks

The professor's tasks will be to strengthen the department's competences in high temperature solid state electrochemistry, and to deliver top level research for the use in the development of our technologies. The professor will lead a research team, incl. scientists and technical staff. Dissemination of the research, both scientifically and in the public domain, is an important responsibility. An important task will be to attract external funding from public and private sources.

The professor will also strengthen further our collaboration with other DTU departments, as well as with other universities.

The professor will be a supervisor of PhD/MSc students and of young scientists and will also be involved in research-based education and innovation.

### Qualifications

The professor is expected to have demonstrated top level and original scientific research in high temperature solid state electrochemistry, and in at least one of the Departments main research areas, such as solid oxide fuel cells, electrolysis, or membranes. The professor must demonstrate proven and successful management of research groups and also proven and successful management of larger research projects. Successful collaboration with industry and extensive experience in attracting external funding is also a prerequisite.

### Assessment

In the assessment of the candidates consideration will be given to

- the ability to teach
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to promote and utilize research results
- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to the development of the Department's internal and external cooperation
- track record in attracting funding to the research area
- visions within the research area

### Salary and terms of employment

The appointment will be based on the collective agreement with the Confederation of Professional Associations. The allowance will be agreed with the relevant union.

### Further information

Further information may be obtained from Professor Søren Linderøth, Head of Department, DTU Energy Conversion, telephone +45 4677 5801.

You can read more about DTU Energy Conversion on [www.ecs.dtu.dk](http://www.ecs.dtu.dk)

### Application procedure:

We must have your online application by xxxx, 2013.

Applications must be submitted as **one pdf file** containing all materials to be given consideration. To apply, please open the link "Apply online," fill in the online application form, and attach **all your materials in English in one pdf file**. The file must include:

- Application (cover letter) addressed to the President
- CV
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future research

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.