Professor in Proton Conductors

The Department of Energy Conversion and Storage at the Technical University of Denmark invites applications for a position as professor in the field of proton conductors. 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 cells, functional membranes, batteries, and solar cells.

Responsibilities and tasks
The professor's tasks will be to strengthen the department's competences in proton conductors, and to deliver top level research, as well as top level teaching. The research should be directed towards the development of technologies that we are pursuing in the department, and the professor will lead a research team. Dissemination of the research, both scientifically and in the public domain, is an important responsibility. The professor will be a supervisor of PhD/MSc students and of young scientists. An important task will be to attract external funding from public and private sources. The professor will be responsible for research-based education, teaching and innovation in the area of proton conductors and energy materials. The professor should also be capable of continuing and strengthening our collaboration with other DTU departments, with other universities, as well as with our industrial partners and collaborators.

The successful candidate is expected to take a lead position in teaching at the bachelor-, master- and PhD levels.

Qualifications
The professor is expected to have demonstrated top level and original scientific research in solid state electrochemistry, and in at least one of the Department's main research areas, such as materials for high-temperature polymer-based fuel cells, electrolysis and other electrochemical applications. The professor must demonstrate proven and successful management of research groups, proven and successful management of larger research projects, and successful attraction of external funding. The professor must have proven and successful experience in teaching at the university level at Bachelor, Master and PhD levels.

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 Linderoth, Head of Department, DTU Energy Conversion, +45 4677 5801.

You can read more about DTU Energy Conversion on www.ecs.dtu.dk

Application procedure:
We must have your online application by xxxx**, 2014**.

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.