AR-764
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Professor in High-Temperature Electrochemistry and Materials

Department of Energy Conversion and Storage (DTU Energy) at the Technical University of Denmark invites applications for a position as professor in the area of high-temperature electrochemistry and materials, applied for gas separation, Solid Oxide Cells (SOCs), such as Solid Oxide Fuel Cells (SOFCs), Solid Oxide Electrolysis Cells (SOEC), Reversible SOFC/SOEC systems.

DTU Energy 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, solar cells, caloric heat pumps, and thermoelectric generators. We are about 240 persons in the department, which at present is placed at both DTU Risø Campus and Lyngby Campus. From 2020, the department will be located at DTU Lyngby Campus in new laboratories.

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 use in the development of our technologies. The professor must be able to lead a research team, incl. scientists and technical staff. Dissemination of the research—scientifically and in the public domain—is an important responsibility.

The professor will be a supervisor of PhD, MSc and BSc students and of young scientists. An important task will be to attract external funding from public and private sources, and to deliver excellent results. The professor will also be involved in research-based education, innovation, and advice. The professor is expected to significantly contribute to DTU Energy's vision of demonstrating cross-disciplinary world leading research to enable a sustainable society through innovative technology development.

The professor must take advantage of the collaboration with colleagues, also at other DTU departments.

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 Department's main research areas, such as solid oxide fuel cells, electrolysis, or membranes. The professor must demonstrate proven and successful management of research groups, and winning large-scale research projects, including successful results and management. Successful collaboration with industry is also a prerequisite.

Assessment
In the assessment of the candidates', consideration will be given to:

- 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 internal and external cooperation
- track record in attracting funding to the research area
- visions within the research area

For the specific position, consideration will also be given to:

- teaching in high-temperature solid state electrochemistry and materials
- supervision of PhD , MSc and BSc students

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, mail: sqli@dtu.dk,+45 4677 5801.

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

Application procedure:
We must have your online application by xxxx**, 2016**.

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
- Diploma (MSc/PhD—an official translation into English)
- List of publications indicating scientific highlights
- H-index, and Researcher-ID (see e.g. www.researcherid.com)
- A plan for future research

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