

Professor in Electrochemical Materials and Interfaces

Department of Energy Conversion and Storage (DTU Energy) at Technical University of Denmark invites applications for a position as professor in the area of electrochemical materials and interfaces.

DTU Energy is focusing on the development of new and improved materials and technologies for energy conversion and storage such as fuels cells, electrolysis, and batteries. We are about 230 persons in the department, which at present is placed at both DTU Risø Campus and Lyngby Campus. From January 2020, the whole department will be located centrally at DTU Lyngby Campus in new facilities.

Responsibilities and tasks

The professor's tasks will be to strengthen the department's competences in electrochemical materials and interfaces, to deliver top-level research to create electrochemical materials and interfaces for high performance energy conversion and storage technologies. The professor must be innovative, be able to implement ideas, be able to collaborate across disciplines, and must have demonstrated high-quality research management. Dissemination of the research—scientifically and in the public domain—is an important responsibility.

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 will be engaged in teaching and supervision of PhD, MSc, and BSc students, and of young scientists. The professor is expected to contribute significantly to DTU Energy's vision of demonstrating cross-disciplinary world-leading research to enable a sustainable society through innovative technology development, and must take advantage of close collaboration with colleagues within the department and at other DTU departments.

Qualifications

The professor is expected to have demonstrated top-level and original scientific research in electrochemical materials and interfaces, and in at least one of the Department's main research areas, such as electrolysis, fuel cells or batteries. The professor must demonstrate proven and successful management of research groups, and winning large 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

- Experience and quality of teaching
- Research impact and experience, funding track record, and research vision
- Societal impact
- Documented innovation activities, including commercialization and collaboration with industry
- International impact and experience
- Leadership and collaboration
- Communication skills

Consideration will also be given to:

- teaching experience in ceramic science and engineering
- supervision of PhD, MSc, and BSc students

We offer

DTU is a leading technical university globally recognized for the excellence of its research, education, innovation and scientific advice. We offer a rewarding and challenging job in an international environment. We strive for academic excellence in an environment characterized by collegial respect and an academic freedom tempered by responsibility.

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: sql@dtu.dk, +45 4677 5801.

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

Application procedure:

We must have your online application by xxxx, **2018**.

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
- A vision for future research
- Views regarding teaching and research based on the 'Assessment' bullets
- Documentation of previous teaching and research based on the "Assessment" bullets
- List of publications indicating scientific highlights
- H-index, and ORCID (see e.g. <http://orcid.org/>)
- Diploma (MSc/PhD)

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