

Professor in Resource Recovery Engineering

DTU Environmental Engineering (DTU Environment) at the Technical University of Denmark invites applications for a position as Professor in Resource Recovery Engineering.

DTU Environment is a department with an overall mission of contributing to research, development and education within the following scientific areas: Urban Water Engineering, Water Resources Engineering, Environmental Chemistry, and Residual Resource Engineering.

The professor will be associated with the Residual Resource Engineering section, one of the four sections comprising the Department.

Responsibilities and tasks

The professor is expected to take leadership in development of the department activities related to integrated resource management and recovery, with emphasis on resource technologies and systems in the context of material, nutrients and energy recovery from waste or residual resources, as well as holistic assessment of these systems.

The professor should work at the interface between science and engineering, be responsive to societal needs, have experience and ability to work in a collaborative international research environment, interact with industrial as well as public partners, and provide outstanding and committed research-based teaching. The professor must demonstrate personal qualities of leadership, flexibility, scientific curiosity, and have the ability to work collaboratively in teams, identify and develop new research areas, think holistically and in an interdisciplinary manner.

The professor is expected to take a leading role in teaching at the bachelor-, master- and PhD levels, in collaboration with other faculty members. Furthermore, the professor is expected to provide mentoring and supervision of post docs, assistant professors and researchers within the field.

The professor is expected to take a leading role in collaboration with other sections of the department, other DTU departments, industry, utility companies and public authorities, and to contribute to knowledge-exchange with society in general.

Qualifications

A research and teaching track record documenting a productive career within several of the following topics is required: waste characterisation; waste management and technologies; characterisation of emissions from solid waste materials and technologies; recovery of materials, energy and nutrients from waste and residual resources, mass and substance flow analysis, and life cycle assessment of resource recovery technologies and related systems.

Notable achievements are expected within research/innovation and research-related leadership. Candidates must meet the following criteria for appointment:

- A high level of original scientific production at international level which has contributed to further development of the subject areas in question.
- Documented and successful teaching (including development, planning, coordination and evaluation of courses), and experience in project supervision at all levels covered by the study programmes at DTU.
- Documented experience in research proposal development, research leadership, including management of national or international research projects, research programmes, conferences, and academic assessments.
- Documented experience with innovation in relation to industry, public/private companies and public authorities

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

For the specific position consideration will also be given to:

- Experience in managing a research group
- Experience in supporting and guiding young and mid-career researchers in their continued career development
- Well-established network within the Danish and/or international waste sector, and internationally leading research groups

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 Head of Department Thomas H. Christensen, +45 4525 1603 or thho@env.dtu.dk

You can read more about DTU Environment on www.env.dtu.dk

Application procedure:

Please submit your online application no later than **15 July 2015**.

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
- Documentation for teaching experience (e.g. in the form of a teaching portfolio)
- A plan for future research

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