

Professor in Climate Change Economics

The Department of Management Engineering at Technical University of Denmark invites applications for a position as professor in Climate Change Economics and scientific leader.

DTU Management Engineering is a department with the overall mission of contributing to research, development, and education within the following scientific areas: Systems Analysis, Management Science, Production and Service Management, Technology and Innovation Management, Transport Modelling, and Quantitative Sustainability Assessment.

The professor will be affiliated to the Systems Analysis Division, the Climate Change and Sustainable Development Group.

The research field of the position includes methodological development and application of economics as part of multidisciplinary efforts on:

- Development of methodologies for the assessment of climate hazard damage costs and risk management, including quantitative modelling approaches and applications.
- Modelling of extreme coastal and urban flooding events based on welfare economic approaches reflecting risk preferences and optimal decision making on climate change adaptation.
- Integration of damage cost assessment and stochastic representations of uncertainty addressing climate model parameters as well as structural uncertainties in impact and damage cost modelling.

Responsibilities and tasks

The new professor is expected to become the scientific leader and driving force in our research on climate change economics including development of climate change damage cost modelling.

The position includes research leadership with strong international and Danish partners, successful research applications, and multidisciplinary team building with extensive publications in highly ranked journals. The new professor is also expected to contribute to leadership in research-based teaching at the bachelors, masters, and PhD levels. Supervising and supporting PhDs and BSc/MSc projects and early career team members will also be a central task.

The professor will take a leading role in DTU collaboration on climate change, as well as in relation to further strengthening of DTU's international and Danish networks including dialogues with decision makers and other users of our research. Collaboration with top climate change experts in the context of IPCC and other international institutions will also be a key activity.

Qualifications

The new professor should have documented experiences from research and teaching in climate change economics:

- Damage costs assessment of climate hazards.
- Decision making in the context of structural uncertainties.
- Development and application of tools for economic assessments of climate policy strategies in a Danish and international context.
- Strong network to international climate change research including IPCC.

Furthermore, the candidates must have the following qualifications

- A high level of original scientific production at international level that has contributed to further development of the area.
- Contributions to teaching in several of the following areas: Successful completion of teaching, establishment of new courses, renewal of teaching activities, and preparation of technical teaching materials.
- Leading role in public sector advice including Danish and international agencies.
- Experience in designing and preparing successful applications for public or private funding of large research projects.
- Documented experience in research management, including handling management assignments in national or international projects, research programmes, conferences etc.
- Experience in supervision and guidance of PhDs
- Innovative skills
- The ability to communicate at all levels such as the provision of scientific advice to industry and/or public decision makers as well as to the general public

Assessment

In the assessment of the candidates consideration will be given to

- Experience and quality of teaching and curriculum development
- 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

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 Acting Head of Department, Professor Per Dannemand Andersen, tel.: +45 4525 4535, pean@dtu.dk or Professor Poul Erik Morthorst, Head of the Systems Analysis Division, +45 46775106, pemo@dtu.dk.

You can read more about DTU Management Engineering on www.man.dtu.dk

Application procedure:

Please submit your online application no later than **XX 2018 (local time)**. Apply online at www.career.dtu.dk.

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)

Applications and enclosures received after the deadline will not be considered.

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