

Professor in Sun-Earth Climate Physics

DTU Space at the Technical University of Denmark invites applications for a position as Professor in Sun-Earth Climate Physics.

DTU Space is the driving force of Danish public space activities. The mission of the institute is to conduct research, development, public sector consultancy, education and innovation at the highest international level within the following areas: Space Technology & Instrumentation, Earth Observation & Geoscience and Space- & Astro-physics.

The position as Professor in Sun-Earth Climate Physics is central to DTU Space's strategic efforts for studying the effects of the Sun and Cosmos on Earth's climate. The overall goal is to investigate the effects of space on physical processes on the Earth, in particular the importance of cosmic radiation for Earth's climate.

The professor will be attached to the Department of Solar System Physics, one of the eight departments comprising DTU Space employing 145 persons.

Responsibilities and tasks

The successful candidate is expected to lead the institute's activities within Sun-Earth climate physics in partnership with other professors where appropriate. The assignments include research, teaching and, ideally, innovation and/or public sector services. The primary tasks are:

- Research within Sun-Earth climate physics
- Academic leadership, including identification and cultivation of new fields of research
- Research-based teaching
- External collaboration
- Other duties:
 - Pedagogical guidance and supervision of assistant professors
 - Academic assessment work
 - Knowledge exchange with society at large
 - Innovation and/or public-sector consultancy

Collaboration with other research groups at DTU and at DTU Space.

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

Qualifications

The qualification requirements for this professorship are:

- A high level of original scientific production at international level that has contributed to further development of the subject area in question.
- Education experience at university level.
- Experience with research management, such as handling management assignments in national and international projects, research programmes, congresses, evaluation committees etc.

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 with both theoretical and experimental work in atmospheric physics

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 Director of DTU Space, Kristian Pedersen, +45 4525 9501.

You can read more about DTU Space at www.space.dtu.dk

Application procedure:

Please submit your online application no later than **XXX 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
- 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.