

Professor in Observational Astrophysics

DTU Space at the Technical University of Denmark invites applications for a position as Professor in Observational Astrophysics.

DTU Space is the leading institution of public space activities in Denmark. The mission of the institute is to conduct research, development, scientific advice, education, and innovation at the highest international level within the following specific areas: Space Technology & Instrumentation, Earth Observation & Geoscience and Space- & Astrophysics.

DTU Space has a strong position in observational astrophysics primarily based on space missions and several decades heritage of participation in astrophysical satellites. Current satellites include INTEGRAL, PLANCK, NuSTAR and in the near future we also participate in JWST, EUCLID and ATHENA. The position as professor in Observational Astrophysics is central to DTU Space's strategic effort in the area of space technologies and astrophysics research.

The professor will be attached to the division of Astrophysics and Atmospheric Physics, which is one of the seven divisions comprising DTU Space.

Responsibilities and tasks

The successful candidate is expected to perform and lead activities within observational astrophysics. The position covers research and research-based teaching including:

- Research and scientific dissemination within the area of astrophysics.
- Research-based teaching (with associated examination duties)
- Academic leadership - in order to strengthen and develop the specific field
- External collaboration
- Collaboration with other research groups at DTU Space and DTU
- other duties:
 - Innovation and/or public-sector consultancy where applicable
 - Knowledge sharing with the public
 - Educational guidance and supervision of assistant professors and researchers
 - Academic assessment work

The successful candidate is expected to have extensive relations to international research groups and should actively participate in the effort of obtaining external funding for research activities.

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

Qualifications

The candidate should show qualifications in the areas:

- extensive scientific output within the area of observational and/or experimental astrophysics
- documented teaching experience at various levels within a university
- a strong track record of international collaboration
- successful research management experience as well as capability of initiating and developing collaborations with external partners

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 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 space missions
- experience with space instrumentation, development, research, and usage
- all-round experience basis, including international experience

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, tel.: +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 2016**. 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
- 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)
- 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.

