UNIVERSITETET I OSLO

Jobbnorge ID: 210283
Deadline: 9/5/2021
Website: http://www.uio.no/
Scope: Fulltime
Duration: Fixed Term

Researcher in Plasma and Space Physics: Space Weather Projects

Job description
A position as Researcher in Plasma and Space Physics is available at the Department of Physics. The position is for a period of 15 months. Start date as soon as possible.

More about the position
The successful candidate will be a part of Section for Plasma and Space Physics at the Department of Physics as well as the 4DSpace Strategic Research Initiative. The main focus of these groups is to advance our understanding of processes in the high-latitude ionosphere, including plasma irregularities, turbulence and space weather effects in the polar regions. The main tools used for this research are ground-based instruments, including radar and optical systems (EISCAT, SuperDARN, all-sky-imagers), advanced numerical models, and instruments on board spacecraft and sounding rockets. In particular the group has been involved in the development and operation of the data products for the European Space Agency's Swarm mission. It also maintains datasets from different ground based and spacecraft instruments. For more information, see: http://www.mn.uio.no/4dspace/

The current position is related to the European Space Agency (ESA) projects carried out at the 4DSpace group, operation of the data products for Swarm mission and development of new models for space weather forecasting. Particular duties are:

- Management of ongoing ESA projects at UiO.

- Coordinating work with international partners within ESA related projects at UiO.

- Contributing to scientific work within space weather studies, including satellites, EISCAT radars, GNSS scintillation receivers, etc. within 4DSpace.

- Contributing to development of Swarm IPIR and related data products for ESA within the Swarm DISC project.

Qualification requirements
The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these positions will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

The following qualifications are required:

- Ph.D. in space and plasma physics.
- Strong experience in analysis of data from satellites and ground based instruments.
- Knowledge of ionospheric plasma physics at high latitudes and dynamic phenomena related to solar wind-magnetosphere-ionosphere coupling and ionospheric scintillations.
- Experience from ESA related projects, including documentation and data product operation.
- Experience in managing international teams and leading ESA projects within space weather both within ESA EO and ESA SSA.
- Experience in development of products for ESA, in particular Swarm related products.
- A good command of English.
- Good social and collaboration skills and ability to work independently and in an interdisciplinary scientific environment.

We offer
- Salary NOK NOK 534 400 - 594 300 per annum depending on qualifications in position as Researcher (position code 1109)
- Attractive welfare benefits and a generous pension agreement
- Professionally stimulating working environment
- Vibrant international academic environment
- Career development programmes
- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply
- Cover letter including a statement of motivation and research interests
- CV (summarizing education, positions and academic work).

- Copies of educational certificates, transcript of records and letters of recommendation
- A complete list of publications and up to 5 academic works that the applicant wishes to be considered by the evaluation committee
- Names and contact details of 1-2 references (name, relation to candidate, e-mail and telephone number)

The application with attachments must be delivered in our electronic recruiting system, please follow the link “apply for this job”. Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English (or a Scandinavian language). Applications with documents missing will not be considered further.

An expert committee will evaluate the applications. Applicants will normally be called in for interview.

Formal regulations

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The University of Oslo has an agreement for all employees, aiming to secure rights to research results a.o.

The University of Oslo aims to achieve a balanced gender composition in the workforce and to recruit people with ethnic minority backgrounds.

Contact information

Professor Wojciech Miloch, w.j.miloch@fys.uio.no, tel. +47 22856014

For technical questions regarding the recruitment system, please contact HR Adviser Elin Thoresen, e-mail: elin.thoresen@mn.uio.no, phone +47 22 85 71 96.

About the University of Oslo

The University of Oslo is Norway’s oldest and highest rated institution of research and education with 28 000 students and 7000 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The research at the **Department of Physics** covers a broad range of subfields within physics and technology: From space research to medical physics. A good proportion of the research is interdisciplinary, and conducted in close cooperation with collaborators in Norway and abroad.

Education and teaching are other essential activities. We offer a broad range of courses, and the Department is involved in several study programmes at bachelor’s and master’s level. Some of the best lecturers in Norway are amongst our employees, and we are proud of our prizewinning teaching and learning environment. The Department has 200 employees, of which 50 are permanent scientific positions. On a yearly basis 20 students complete their Ph.D. and 50 finish their M.Sc. degree.

Additional information

Place of service:

Problemveien 7 0313 Oslo (Oslo Municipality)