

Début du message réexpédié :

De: Wojciech Jacek Miloch <[w.j.miloch@fys.uio.no](mailto:w.j.miloch@fys.uio.no)>

Objet: TWO Postdoctoral Positions in Plasma and Space Physics at the University of Oslo, Norway

Date: 26 octobre 2018 à 04:39:29 UTC+2

À: "varsiti\_all@isee.nagoya-u.ac.jp" <[varsiti\\_all@isee.nagoya-u.ac.jp](mailto:varsiti_all@isee.nagoya-u.ac.jp)>

Dear Colleagues,

TWO postdoctoral research fellow positions are currently announced at the Department of Physics, University of Oslo, Norway, both with the application deadline 15 November.

For more details and how to apply please see below.

Please inform potential candidates.

With kind regards,

Wojciech Miloch

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1) Postdoctoral Research Fellow (3-years) in Plasma and Space Physics: Ionospheric Plasma Irregularities.

Over the next years, the 4DSpace team at the University of Oslo ([www.mn.uio.no/4dSPACE](http://www.mn.uio.no/4dSPACE) <<http://www.mn.uio.no/4dSPACE>>) will be involved in several rocket launches into the polar ionosphere. All of these rockets will during flight eject small sub-payloads which will for the first time make multi-point observations of the ionospheric plasma density at unprecedented spatial resolution. These unique data will facilitate the search for dispersion relations at different scales, as well as the multi-scale mapping of turbulent structures.

The successful candidate will work in a team of scientists on a development of new data analysis techniques for multi-point measurements of plasma density by a rocket and its sub-payloads. The candidate will then apply these techniques to data from rocket experiments to study irregularities and turbulence in the cusp F region ionosphere. The in-situ results will also be compared with advanced numerical models. Due to its novel approach, it is expected that this project will lead to several major advances in the field of ionospheric turbulence.

Apply electronically for this job (deadline 15 November):

<https://www.jobbnorge.no/en/available-jobs/job/157193/postdoctoral-research-fellowship-in-plasma-and-space-physics> <<https://www.jobbnorge.no/en/available-jobs/job/157193/postdoctoral-research-fellowship-in-plasma-and-space-physics>>

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2) Postdoctoral Research Fellow (2.75-years) in Space Physics: Space Weather in the Polar Regions.

Plasma and Space Physics Section and 4DSpace at the University of Oslo ([www.mn.uio.no/4dspace](http://www.mn.uio.no/4dspace) <<http://www.mn.uio.no/4dspace>>) focus on studying the processes in the high-latitude ionosphere, including 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.

4DSpace at the the University of Oslo has recently deployed instruments to Antarctica (Troll Research Station). These are complementary to instruments that the group operates in Svalbard and in northern Norway. In addition, the group works with in-situ data from satellites (e.g., Swarm, Norsat-1) and sounding rockets.

The focus of the current project is to combine data from all these instrument platforms including also data from collaborative partners and to study the space weather phenomena at high latitudes in both hemispheres with the focus on Antarctica and the Arctic regions. One of the main questions addressed will be inter-hemispheric asymmetries in the ionospheric response to geomagnetic activity at high latitudes.

Apply electronically for this job (deadline 15 November):

<https://www.jobbnorge.no/en/available-jobs/job/159436/postdoctoral-research-fellowship-in-space-physics-space-weather-in-the-polar-regions>  
<<https://www.jobbnorge.no/en/available-jobs/job/159436/postdoctoral-research-fellowship-in-space-physics-space-weather-in-the-polar-regions>>

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