A position as Associate Professor in Plasma- and Space Physics is available at the Department of Physics, University of Oslo, Norway.

Application deadline: 29 March, 2016
Position type: permanent, full time.

The announced position is associated with the Section for Plasma- and Space physics and 4DSpace Strategic Research Initiative. 4DSpace is the interdisciplinary initiative at the Faculty of Mathematics and Natural Sciences at the University of Oslo, involving Departments of Physics, Informatics, and Mathematics. 4DSpace works towards integrated multi-point, multi-scale studies of ionospheric turbulence with the new generation sounding rockets and satellites, and cutting edge numerical and analytical models. Activities within the research section and 4DSpace include in-situ measurements (such as the ICI-rocket series, QB50, NorSat-1, or European Space Agency projects), ground-based observations of the Polar ionosphere, and development of instruments, as well as miniaturized payloads and sub-payloads for rockets and satellites. The modeling of plasma instabilities and turbulence is carried out with fluid as well as particle-in-cell numerical codes.
For more information see: http://www.mn.uio.no/4dspace

Job description:
We are searching for a space plasma physicist, with a strong and broad experimental and data analysis background, that sees opportunities to take advantage of the 4DSpace collaboration.

Qualifications:
Required qualifications:
Ph.D. in physics, and after graduation at least two years of research experience in a relevant area with a solid publication record in the peer-reviewed literature. Documented experience within experimental space physics and data analysis in the context of the Earth magnetosphere-ionosphere system, including aurora and space weather problems. Good and broad experience in working with multi-instrumental data from plasma instruments on board spacecraft (satellites or sounding rockets), and ground-based instruments, such as radars and optical instruments. Ability to work with different scientific databases that can allow for cross-scale studies of the ionospheric and space plasma processes, ranging from macroscopic to microscopic (kinetic) scales, as well as potential of establishing new data products. Capability of external fund raising.

Desired qualifications:
Experience from interdisciplinary projects. Experience from international collaborative research and educational projects.

For more details and instructions on how to apply see the announcements at:
http://uio.easycruit.com/vacancy/1586385/64282?iso=no
http://www.mn.uio.no/4dspace