

JOB OPENING: Six (6) Postdoctoral and PhD Student Positions in Space Physics Group at the Department of Physics, University of Helsinki, Finland

The Space Physics Group at the Department of Physics (<http://blogs.helsinki.fi/spacephysics/>) is a leading European space physics group specialised both in observations and modelling of space plasmas. For example, we develop the novel global hybrid-Vlasov simulation Vlasiator and have a strong focus on solar eruptions. Our current research areas include physics of coronal mass ejections, their influence in the magnetospheric dynamics, as well as reconnection, shocks and particle acceleration.

We have recently obtained several new research grants, including a Finnish Centre of Excellence (2018 - 2025), two European Research Council grants (2016 - 2021, 2017 - 2022), and two Academy of Finland grants (2018 - 2022).

We are now opening six positions, of which four are postdoctoral positions, and two are for PhD students. We are especially looking for expertise in modelling of the solar corona, experimental solar wind research, observations and modelling of the inner magnetospheric waves and wave-particle interactions.

Strong expertise in space plasma physics is required. Other useful skills include: Python, C/C++, supercomputer environments, experimental data analysis techniques. Previous knowledge of cubesat projects is also considered an advantage.

We offer a position in a dynamic and international research group, with a possibility to network and to develop as a researcher. As our the Centre of Excellence builds and launches cubesats establishing new technologies with cutting edge scientific payloads, our community extends from space physics to space technology and entrepreneurial startups.

The positions are available from 1 Jan 2018, initially for one year with a possibility to extend. The positions are open until they are filled.

For specifics about the position, contact Professor Minna Palmroth ([minna.palmroth 'at' helsinki.fi](mailto:minna.palmroth@helsinki.fi)) and Assistant Professor Emilia Kilpua ([emilia.kilpua 'at' helsinki.fi](mailto:emilia.kilpua@helsinki.fi)). Interested candidates should send their informal application, CV, list of publications, and maximum of three names to act as references to the above addresses.