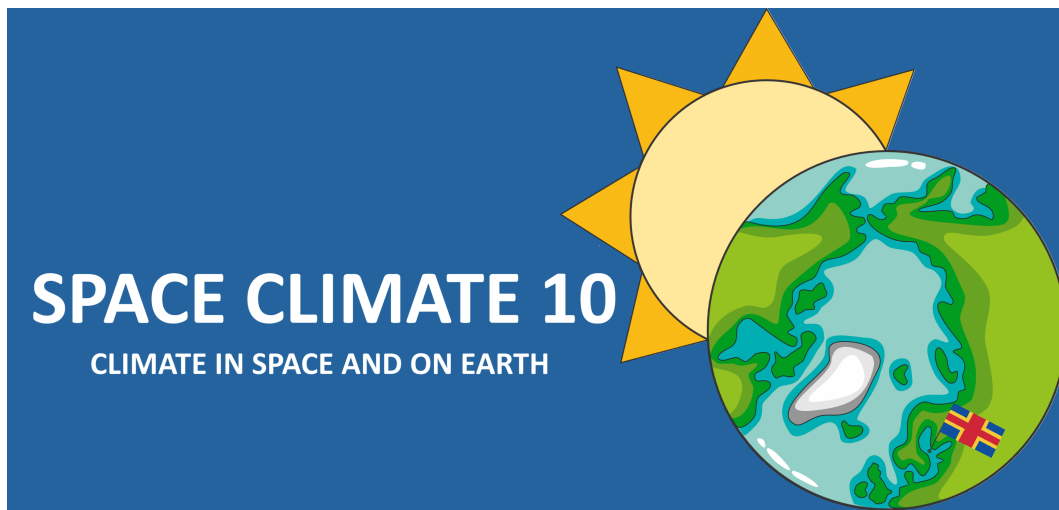


Session Program

8-12 Jun 2026



Space Climate 10

***2.4 Magnetosphere-ionosphere-thermosphere and space climate hazards
(chair Nandita Srivastava)***

Friday 12 June

09:00

2.4 Magnetosphere-ionosphere-thermosphere and space climate hazards (chair Nandita Srivastava)

Session | Location: Åland Maritime Museum, HAMNGATAN 2 | Convener: Eija Tanskanen

09:00–09:20

The Critical Influence of Cold Plasma Density for Rapid Radiation Belt Dynamics during Intense Geomagnetic Storm Events

Speaker

Dr Oleksiy Agapitov

09:20–09:40

Insights into the Electrodynamic Properties of Meso-Scale Auroral Morphologies Through Self-Supervised Learning

Speaker

Dr Dogacan Ozturk

09:40–09:52

Role of Pc5 pulsations and KH instability in the Sun-Earth coupling during extreme geomagnetic storms

Speaker

Prof. Eija Tanskanen

09:52–10:04

Revisiting the Tsyganenko 1989 Magnetosphere Model and its Extension to Storm Conditions

Speaker

Nicholas Larsen

10:04–10:16

Evolution of open magnetic flux during substorms: the effects of dipole tilt angle

Speaker

Achuthan Nair

10:16–10:28

Hemispheric and dawn-dusk asymmetries of Kelvin-Helmholtz waves driven by dipole tilt and IMF By

Speaker

Dr Lauri Holappa

10:28–10:40

Long-term observations of mid-latitude thermospheric winds

Speaker

Dr Qian Wu

10:40