

Session Program

7-11 Apr 2025

**31st Young Scientists' Conference on
Astronomy and Space Physics**

Atmospheric studies and space geophysics

Zoom

Monday 7 April

13:00

Atmospheric studies and space geophysics

Session | Location: Zoom

13:00-13:15

Statistical analysis of aerosol outbreak events in Kyiv, Eastern Europe

Speaker

Xuhui Gao

13:15-13:30

Impacts of smoke aerosol on air quality in Northeast China by GEOS-Chem Modeling

Speaker

Yu Shi

13:30-13:45

Dust storms impact on air quality in Jilin Province

Speaker

Xuanyi Wei

13:45-14:00

Design of microwave radiometers for ozone and carbon monoxide study in the atmosphere

Speaker

Xiaopeng Sun

14:00-14:15

Asymmetry of ozone behavior in Eastern and Western Hemispheres over Antarctica in response to sudden stratospheric warming

Speaker

Ruixian Yu

14:15-14:30

Ground-based microwave radiometer data processing software and application for stratospheric and mesospheric altitude profile and wind retrievals

Speaker

Lidong Wang

14:30-14:45

Accelerating atmospheric modeling: neural network enhancements for faster NRLMSISE calculations

Speaker

Volodymyr Kashyn

14:45-15:00

Magnetospheric studies: machine learning applications

Speaker

Bohdan Petrenko

15:20