ESSL

First Announcement

Royal Netherlands Meteorological Institute
Ministry of Infrastructure and the Environment

*The European Severe Storms Laboratory (ESSL) &
the Royal Netherlands Meteorological Institute (KNMI)
invite you to the...*

12th European Conference on Severe Storms

ECSS 2025

**17 – 21 November 2025
TivoliVredenburg
Utrecht, Netherlands**

The conference covers all aspects of severe convective storms and is open to scientists, forecasters, emergency managers, and others from around the world.

Photo: Oudegracht or "Old Canal"
The venue, Music Centre TivoliVredenburg is a five minute walk from Utrecht Centraal train station which serves international train connections and can be reached from Amsterdam Schiphol Airport with a direct 30-35 min. train ride.

There will be special attention for new storm detection & monitoring capabilities by the Meteosat Third Generation geostationary satellites

Scientific Programme Committee

Chair: Kelly Lombardo
The Pennsylvania State University

- Nataša Strelec-Mahović (EUMETSAT)
- Jos de Laat (KNMI)
- Stephan Bojinski (EUMETSAT)
- Monika Feldmann (University Bern)
- Jannick Fischer (KIT)
- Samira Khodayar Pardo (CEAM)
- Tomas Púčik (ESSL)
- Katharina Schröer (University Freiburg)
- Pieter Groenemeijer (ESSL)

Tentative list of sessions

1. Satellite imager studies of convective storms and their environment
2. Satellite sounder studies relevant to the formation of convective storms
3. Storm electrification, lightning, microphysics, and space-based lightning observations
4. Convective storm and tornado dynamics
5. Radar and non-satellite remote sensing studies of storms
6. Hail studies
7. Floods, flash floods, and convective storms within extratropical, tropical and hybrid cyclones
8. Nowcasting and forecasting of severe weather and forecaster training
9. Numerical modelling, convection-allowing models, data assimilation, and machine learning
10. Impact of storms on society, impact mitigation, and early warning systems
11. Storm climatologies, risk assessments, and climate change
12. Collection of storm data, historical events, and damage assessments

For abstract submission, registration, and more information, visit: www.ecss.eu

ECSS2025 is kindly supported by

EUMETSAT

EMS European Meteorological Society