

Second Announcement and Call for Papers

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



12th European Conference on Severe Storms

17 – 21 November 2025
TivoliVredenburg
Utrecht, Netherlands

We are happy to announce that
Abstract submission and
Registration are now open at
www.ecss.eu

Abstract submission deadline: 6 June 2025

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.

Special attention will be paid to storm detection
and monitoring capabilities by the Meteosat Third
Generation geostationary satellites, including an
MTG Forecaster Workshop on 21 November in the
afternoon (separate registration on the ECSS
webpage).

ECSS2025 is kindly
supported by

 EUMETSAT

 European Meteorological
Society

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



TivoliVredenburg's
Hall "Hertz"

Photo: TivoliVredenburg

Travel support

By ESSL:

ESSL will support 5 people financially for their travel to the ECSS2025 with a EUR 500 lump sum and, additionally, a waiver of the ECSS registration fee. Travel support can be granted to applicants who:

- submit their abstract by the abstract submission deadline (the abstract fee cannot be waived)
- send a short curriculum vitae and motivation letter explaining in brief why support is needed (in pdf format) to travelsupport@essl.org before the abstract submission deadline.

The decision will be made by the ECSS Scientific Programme Committee based on the abstract quality and plausibility of the need for financial support. The decision will be communicated to the applicants on 30 June. The lump sum of EUR 500 will be transferred to the account of the awardees immediately after the conference after having signed a receipt at the conference venue and attending the conference in full.

By the EMS:

The European Meteorological Society EMS thankfully supports the ECSS2025 with a Young Scientist Conference Award (YSCA). The ECSS registration fee will be waived by ESSL for the awardee. The application details can be found at <https://www.emetsoc.org/awards/award-category/young-scientist-conference-awards/>

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)
- Tomáš Púčik (ESSL)
- Katharina Schröer (University Freiburg)
- Pieter Groenemeijer (ESSL)





TivoliVredenburg

Photo: Michielderoo CC BY-SA 4.0



Utrecht's Dom Tower

Photo: Massimo Catarinella CC BY 3.0



Utrecht

The 12th edition of the European Conference on Severe Storms will take place in the centre of the medieval city of Utrecht in TivoliVredenburg, Utrecht's music hall.



Until it was overtaken by Amsterdam in the Dutch Golden age, Utrecht was the most important city in the Netherlands. It was, and still is, the See of the Archbishop of Utrecht, and hosts Utrecht University, one of the largest universities in the Netherlands. Unique for Utrecht are its canals that feature quays and wharf cellars.

The recently renovated Dom Tower is the tallest church spire in the Netherlands boasting a height of 112 metres. The Dom Church was partly destroyed on 1 August 1674 by a severe storm, likely a derecho, which blew away the nave of the church.



Demolished Dom Church Nave drawn by Herman Saftleven in 1674

Utrecht City Archive no. 28630

Sponsored ECSS Social Programme (included in the conference fee)

- Monday evening: Informal Icebreaker Reception at the Winkel van Sinkel
- Wednesday afternoon: Various sightseeing tours - on foot, bike, or by boat
- Wednesday evening: Conference dinner at the Nicolai church

For more information see <https://www.ecss.eu>

Family-friendly event. Need for childcare?
Inform us via ecss@essl.org by 31 August.