



## ECSS 2009

### 5<sup>th</sup> European Conference on Severe Storms

Landshut, Germany  
12-16 October 2009

The ECSS will be held in Landshut, situated close to Munich international airport. The ECSS is jointly organised by the European Severe Storms Laboratory (ESSL) and the Institute of Atmospheric Physics at the German Aerospace Center (DLR).

The scope of the conference covers all aspects of severe convective weather. All researchers, operational forecasters and risk or emergency managers interested in the following topics are invited to submit contributions. In light of the global relevance of the conference themes, participants from all over the world are welcome to attend.

The ECSS 2009 will deal with the following session topics. Depending on the scope of abstracts received, additional topics may be included later on:

- Theory of convection, atmospheric instability, and synoptic or orographic forcing
- Dynamics, microphysics and electrification of severe storms
- Severe weather climatology and hazard assessment
- Climate change impacts on severe storms, development of adaptation concepts
- Forecasting, nowcasting and warning of severe storms
- Numerical studies, e.g. of convective initiation, storm life cycles and phenomena
- Remote sensing of severe storms, e.g. by satellite, radar, and lightning detection
- Extratropical cyclones: embedded thunderstorms and large-scale wind fields
- Severe storm case studies & field campaigns, e.g. COPS, THORPEX, VORTEX2
- Severe weather reporting and databases, e.g. applied to forecast evaluation
- Socio-economic aspects, e.g. damage analysis, wind speed vs. damage relation, emergency response and risk management, security of critical infrastructures
- *Evening session:* Videos and pictures of severe convective weather

**Deadline for abstract submission: 30 April 2009**

Further information will become available at <http://www.essl.org/ECSS/2009/>

