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# Atmospheric Research

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## ECSS 2009

### 5th 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

Further information is available on the ECSS homepage [www.essl.org/ECSS/2009/](http://www.essl.org/ECSS/2009/).

On the ECSS 2009 website [www.essl.org/ECSS/2009/](http://www.essl.org/ECSS/2009/), information is available on:

- Scientific topics covered by the conference
- An on-line registration form
- An on-line abstract submission form
- Details of fees
- The social calendar for the conference
- Details of the venue
- Details of the accommodation
- Information on the venue
- Organisational details and contacts
- Links to relevant topics and previous ECSS conferences

There were more than 200 pre-registrations, and binding registration is now open.

Please register soon, as the number of block reservations in hotels is limited. There is an 'early bird' incentive (before 13 September) on fees, along with a registration discount for students and other qualifying groups (e.g., individual ESSL members or the representative of institutional ESSL members, participants of official side events, exhibitors, and sponsors). Payment can be made by money transfer or cash on-site, and we also intend to provide ePayment by credit card. Please note that there is an additional levy for late or on-site registration and payment.

Abstract submissions on first results of the VORTEX2 field campaign are welcome.

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