



## 4<sup>th</sup> Conference on Transport, Atmosphere and Climate

Bad Kohlgrub, Germany

22-25 June 2015

The TAC-4 international scientific conference will be held in Bad Kohlgrub (Germany), a small town between Munich and Garmisch-Partenkirchen. The venue will be determined soon. TAC-4 is a follow-up of previous TAC conferences (Oxford, 2006; Aachen/Maastricht, 2009; Prien a. Chiemsee, 2012). It is organised by the Institute of Atmospheric Physics at the German Aerospace Center (DLR - Deutsches Zentrum für Luft- und Raumfahrt).

The scope of the conference covers all aspects of the impact of the different modes of transport (aviation, road transport, shipping etc.) on atmospheric chemistry, microphysics, radiation and climate. In light of the global relevance of the conference themes, participants from all over the world are welcome to attend.

Papers on the following topics are welcome:

- engine emissions (gaseous and particulate),
- emission scenarios and emission data bases for transport,
- near-field and plume processes, effective emissions,
- transport impact on the chemical composition of the atmosphere,
- transport impact on aerosols,
- contrails, contrail cirrus, ship tracks,
- indirect cloud effects (e.g., aerosol-cloud interaction),
- radiative forcing of transport,
- transport impact on climate,
- metrics for measuring climate change and damage,
- mitigation of transport impacts by technological changes in vehicles and engines (e.g., low-NO<sub>x</sub> engines, alternative fuels, adapted vehicles/aircraft),
- mitigation of transport impacts by operational means (e.g., air traffic management, environmental flight and ship routing).

Observational, experimental, remote sensing and modelling studies are encouraged.

**Deadline for abstract submission: 17 April 2015**

Registration and abstract submission is now open.

Please visit <http://www.pa.op.dlr.de/tac/>

A block reservation has been made for the conference Hotel, reduced rates are available until 14 April 2015.

