4th 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, micro-physics, 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-NOx 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.