

6 ½ years “Forschungsstelle für Atmosphärische Chemie”

12:30 *Registration and lunch tickets (FAN B, close to lecture hall 30) and Lunch*

14:05 Session: Atmospheric reaction kinetics and radical chemistry
(Chair: **Karl-Heinz Becker**)

15:35-16:00 *Coffee break*

18:00 *Dinner*

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19:15-20:00 Introductions and Questions

Instructions for the poster session:

Each contributor should present one slide with title and authors with either a characteristic graph or up to three bullet points. This is the opportunity that all of us have seen the poster presenters, who should explain the motivation and outcome with a very few sentences in an extremely short talk, taking ***not more than one minute***, but accepting a maximum of one question from the audience and giving one short answer.

20:00-22:00 Poster Pub (in front of lecture hall 30)

Thursday, 25 February 2010

09:00 Session: Spectroscopy on interfaces, radicals, aqueous-phase photochemistry
(Chair: **Hartmut Herrmann**)

9:00-9:30

Gernot Friedrichs: Sum-frequency generation spectroscopy at water-air interfaces:
Composition and reactivity of environmental organic nanolayers.

9:30-9:50

Christa Fittschen, Chaithanya Jain, Alex Parker and Coralie Schoemaeker:
Direct formation of HO₂ from the reaction of excited benzene and toluene with O₂.

9:50-10:10

Constanze Haegle, Dominik F. Schuler, Stefan Jagiella, **Friedhelm Zabel**: Products of the
gas-phase photolysis of substituted benzenes at 254 nm in the presence of oxygen.

10:10-10:30

Wolf-Ulrich Palm, Maren Meyer-Grünefeld: Influence of clouds on the photochemical
degradation in aqueous phase - suitability of Metamitron as actinometer and field
measurements in Brazil and Germany.

10:30-11:00 *Coffee and Posters*

11:00 Session: Photochemistry on surfaces and in the aqueous phase
(Chair: **Howard Sidebottom**)

11:00-11:30

Christian George: Photochemical production of halogenated radicals in the marine boundary
layer: new and old directions.

11:30-11:50

Sasho Gligorovski: Light-induced heterogeneous and multiphase processes in the
atmosphere.

11:50-12:10

Markus Ammann, Yulia Sosedova, Olga Vesna, Aurélie Rouvière, Veronika Zelenay and
Christian George: Feedbacks between organic aerosol oxidation and gas phase HOx: a
laboratory perspective.

12:10-12:30

Hartmut Herrmann: Some recent tropospheric multiphase chemistry developments.

12:30 *Lunch (1.5 h)*

14:00 Session: Particulate matter, nanoparticles and field measurements
(Chair: **Andreas Wahner**)

14:00-14:30

Günter Helas: Surface features on micro-particles made visible by atomic force microscope (AFM) phase images.

14:30-14:50

Ari Setyan, Jean-Jacques Sauvain, Michael Riediker, Michel Guillemin, **Michel J. Rossi:** The Characterization of functional groups at the interface of soot, TiO₂ and aerosol nanoparticles.

14:50-15:10

Nadia Butkovskaya, Alexander Kukui and **Georges Le Bras:** Pressure and temperature dependence of the ethyl nitrate formation yield in the C₂H₅O₂ + NO reaction.

15:10-15:30

Andreas Held: Controls on cloud formation over the Arctic pack ice - some results from the Arctic Summer Cloud Ocean Study (ASCOS).

15:30-16:00 *Coffee and Posters*

16:00 Session: Heterogeneous processes on surfaces and chemistry
(Chair: **Georges Le Bras**)

16:00-16:30

Markus Ammann: Phase transfer at the interface between chemistry and climate.

16:30-16:50

Mélanie Petitjean, György Hantal Coline Chauvin, Paul N. M. Hoang, Sylvain Picaud, Pál Jedlovsky, Philippe Mirabel, Stéphane Le Calvé: Uptake of carbonyl species on ice and liquid/ice clouds.

16:50-17:10

Peter Behr, Rabih Nehme, **Reinhard Zellner:** Thermodynamics and kinetics of the uptake of acetone and acetic acid on ice surfaces.

17:10-17:30

Mingjin Tang, Jim Thieser, Gerhard Schuster, **John Crowley:** Heterogeneous processing of NO₃ and N₂O₅ on mineral dust.

17:30-18:00

Hinrich Grothe, Philipp Baloh, Fabian Weiss: Spectroscopy, microscopy and diffraction experiments devoted to ice clouds.

18:00-19:30 Lab visit (Bus transport to Dr.-Hans Frisch Strasse 1-3 and to dinner)

The bus will stop at the Hotel Goldener Hirsch/Bayerischer Hof to drop off participants, who do not intend to visit the laboratory, and it will stop on the way back as well to take participants to the dinner. The location of the workshop dinner is ca. 1.1 km from the hotels.

20:00 *Workshop Dinner at a local brewery: **Aktienkeller**, Kulmbacher Straße 60*
(no special dress required: absolutely informal)

Friday, 26 February 2010

09:00 Session: Arctic and tropospheric halogens, models, LR transport
(Chair: **Andreas Held**)

9:00-9:30

Jan W. Bottenheim, Stoyka Natcheva, Ralf M. Staebler, and Alexandra Steffen: OASIS-Canada.

9:30-9:50

Ulrich Platt: Halogen oxides in the continental atmosphere.

9:50-10:10

Heinz F. Schöler: Organohalogens from terrestrial sources.

10:10-10:30

Jonathan Williams: Rain forest VOC and reactivity.

10:30-11:00 Coffee and Posters

11:00-11:20

Ivan Holoubek, Jana Klanova, Pavel Cupr: Temporal and spatial trends of POPs in ambient air on the global, regional and local scales.

11:20-11:40

Gerhard Lammel, Francesca Guglielmo, Jana Klánová, Semeena V.S., Irene Stemmler, Andreas Stohl: Studying the chemistry and the large-scale distribution of persistent organic pollutants - The example of DDT.

11:40-12:00

Thomas Foken, Andrei Serafimovich, Johannes Lüers: Coupling and Damköhler number - two concepts of the interpretation of transport and chemical reactions.

12:00 *End and Lunch*

Posters (a complete list is available on the homepage).