

Programme

16th Workshop on Atmospheric Chemistry and Air Quality: Progress, Challenges, and Multiphase Aspects

Monday, October 08, 2018

Arrival

From 18:30

Informal get together Galerie Hotel Leipziger Hof, Hedwigstr. 1-3,
04315 Leipzig (dinner is only possible with a longer waiting time)

Tuesday, October 09, 2018

09:00 – 09:15

Opening and welcome

Overview Keynote Gasphase

09:15 – 10:00

Tim Wallington

Vehicle PM, NO_x, CO, and HC emissions:
Progress and Challenges

Session 1: VOCs

10:00 – 10:20

John Pearson

The Challenge of VOC Emissions Inventories in the
European Union

10:20 – 10:40

Emilie Perraudin

Secondary Organic Aerosol Formation
from Aromatic-Alkene Ozonolysis: Influence of the
Precursor Structure

10:40 – 11:10

Coffee Break

11:10 – 11:30

Valerio Farracci

Isoprene measurements in an oak-
dominated forest during the recent summer heatwave
in the UK

Session 2: NO_x

11:30 – 11:50

William Bloss

The potential of particulate nitrate
photolysis to drive NO_x abundance:
A case study from the marine boundary layer

11.50 - 12:00

Morning Session Discussion

12:00 – 13:00

Lunch

The workshop is supported by Eurochamp-2020 and ESIG/CEFIG.



Programme

16th Workshop on Atmospheric Chemistry and Air Quality: Progress, Challenges, and Multiphase Aspects

13:00 – 13:20	Ulrich Platt	Nitrogen Dioxide Emission from Road Traffic
13:20 – 13:40	Peter Wiesen	NO ₂ measurements in the city center of Wuppertal

Session 3: Gas phase radical chemistry

13:40 – 14:00	Lisa Whalley	OH, HO ₂ and RO ₂ Radical and OH Reactivity Observations during the Summertime in Beijing: High In-Situ Ozone Production and Evidence of a Missing OH Source
14:00 – 14:20	Mohamed AlAjami	ROOOH: a missing piece of puzzle in the understanding of OH radicals in remote environments?

14:20 – 14:50

Coffee Break

Session 4: Particle chemistry in the field

14:50 – 15:10	Chiara Giorio	Observation of metal-ligand complexes formation in deliquescent airborne particles in an urban environment
15:10 – 15:30	María Elena Gómez Alvarez	Detailed Chemical Characterisation of organic aerosols emitted from Domestic Solid Fuel Burning

Session 5: Particle & Multiphase chemistry – field studies

15:30 – 15:50	Eric Villenave	LANDEX: An atmospheric field study in the Landes forest
15:50 – 16:10	Xiaoli Shen	Understanding of ambient particle types and mixing state with improved identification and quantification by single mass spectrometry
16:10 – 16:30	Laurent Poulain	Taking advantages of online and offline technics to investigate biogenic-SOA during F-BEACH 2014

The workshop is supported by Eurochamp-2020 and ESIG/CEFIG.



Programme

16th Workshop on Atmospheric Chemistry and Air Quality: Progress, Challenges, and Multiphase Aspects

16:30 – 16:50 Martin Brüggemann Molecular characterization of organic compounds in aerosol particles and in cloud water - a high-resolution mass spectrometry study at the Schmücke mountain site

16:50 – 17:10

First Day General Discussion

19:30 -

Workshop Dinner

Wednesday, October 10, 2018

Session 6: Particle & Multiphase chemistry – Laboratory studies

09:30 – 09:50 Tamara Felber Determination of photochemical properties of photosensitizers in tropospheric aqueous solution

09:50 – 10:10 Lin He A Kinetic Study of the Atmospheric Aqueous-Phase Reactions of OH Radicals with Methoxyphenolic Compounds

10:10 – 10:30 Tobias Otto Oxidation of Terpene-Derived Acids in Aqueous Solution

10:30 – 11:00

Coffee Break

11:00 – 11:20 Anke Mutzel Secondary organic mass formation from night-day processing of cresol oxidation products

11:20 – 11:40 Cornelius Zetzsch Open questions on rate constants for the reactions of hydroxyl radicals with simple alkanes and aromatics at tropospheric temperatures

11:40 – 12:00

General Workshop Discussion & Closure

12:00 – 14:00

Lunch & Departure

The workshop is supported by Eurochamp-2020 and ESIG/CEFIG.

