

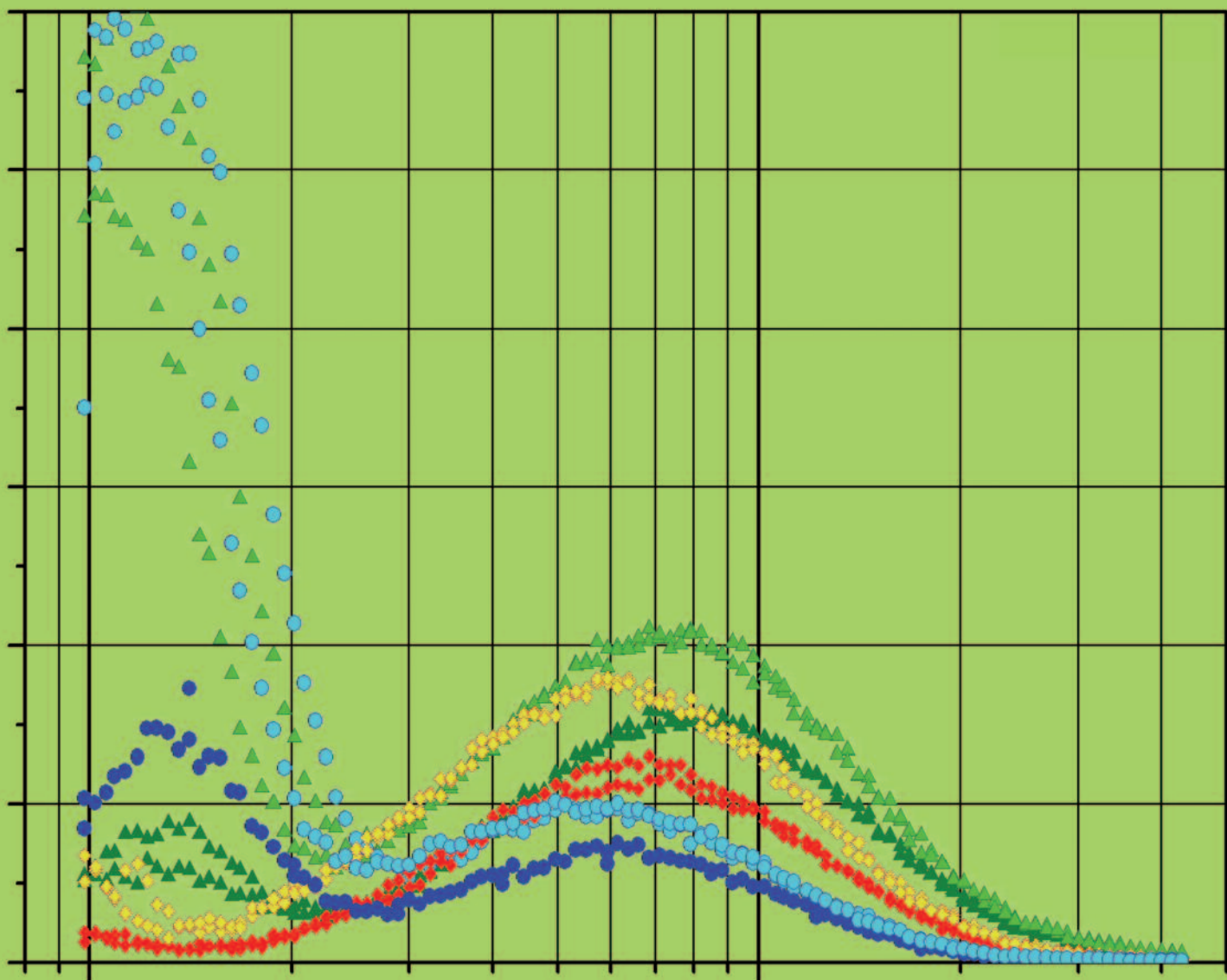
Invitation and Call for Papers to the

16th ETH-Conference on Combustion Generated Nanoparticles

24th - 27th June, 2012

ETH Zürich, Switzerland

www.nanoparticles.ethz.ch



The ETH Conference on Combustion Generated Nanoparticles represents an established interdisciplinary platform in the field of combustion generated nanoparticles and addresses technical aspects as well as environmental impact, health effects and legislation.

Conference Topics

- Formation of nanoparticles in technical combustion processes
- Nanoparticles < 23 nm
- Chemical composition of emitted nanoparticles
- Formation of secondary emissions
- Techniques to minimize particle formation
- Filtration of nanoparticles and regeneration of particle filters
- Instrumentation for measuring solid and volatile nanoparticles
- PEMS and OBD-sensors for nanoparticle emission monitoring
- Source apportionment in the ambient atmosphere
- Health effects due to combustion generated nanoparticles
- Impact of black carbon nanoparticles on global warming
- Legislation and enforcement

Invited keynote speakers will highlight visions of new technology, impact of black carbon nanoparticles on health and environment as well as upcoming policies and legislations:

M. Schiess, Swiss Federal Office for the Environment FOEN, CH

I. Khalek, Southwest Research Institute SwRI, USA

Focus Event "How to Regulate Nanoparticles"

The upcoming conference includes a Focus-Event scheduled on Wednesday afternoon. Criteria for a new ambient air quality standard shall be discussed, based on traffic-linked combustion generated nanoparticles which can reach the peripheral lung structures when inhaled. These nanoparticles are mostly carbonaceous and hence most relevant for human's health. It shall be discussed whether additional new metrics (e.g. particle number or surface, black carbon) should be envisaged to complement existing ambient PM standards. At this Focus-Event, science based theses will be proposed and critically evaluated in order to provide input for a possible future regulation of health relevant ambient nanoparticles (panel discussion).

Invited Speakers at the Focus Event:

N. Künzli, Tropical and Public Health Institute TPH Basel; **M. Krzyzanowski**, WHO Bonn; **B. Brunekreef**, Univ. Utrecht, **P. Bruckmann**, State Office for Nature, Environment and Consumer Protection North Rhine-Westphalia; **R. Gehrig**, Empa Swiss Federal Laboratories for Material Science and Technology Dübendorf; **P. Gehr**, Swiss National Science Foundation - National Research Program 64 SNSF-NRP 64 Bern (moderator).

Scientific and Organizing Committee

Prof. Dr. H. Burtscher

Prof. Dr. K. Boulouchos

Th. W. Lutz

C. Barro

Prof. Dr. J. Czerwinski

Prof. em. Dr. P. Gehr

Prof. B. Rothen-Rutishauser

Dr. A. Ulrich

Prof. Dr. U. Baltensperger

Dr. M. Kasper

Dr. C.-D. Schegk

Dr. Ch. Leuenberger

Dr. h.c. A. Mayer

A. Anselmi

FHNW/IAST

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ETH/LAV

ETH/LAV

BFH/AFHB, Biel

Uni Bern

AMI / Uni Fribourg

EMPA

PSI

Matter Aerosol AG

VerAn

LEUPRO

TTM

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Papers and Posters

- We invite you to submit abstracts (download abstract form) for oral presentations and posters on the above mentioned topics according to instructions at the registration page www.nanoparticles.ethz.ch.
- Abstracts must contain new information on the research subject, the investigation methods as well as obtained results.
- Submission of an abstract includes your agreement for publication of your presentation on the conference proceedings CD-Rom
- Additionally, an extended summary (minimum 2 pages) of the contribution must be submitted in electronic form (non-protected pdf) for the conference proceedings CD-Rom.
- For further information regarding papers and posters please contact Dr. A. Mayer/TTM, T: +41 56 496 64 14, ttm.a.mayer@bluewin.ch
- The Best Poster Presentation will be elected by the conference participants and awarded with a prize

Exhibition of Emission Control Devices and Instruments

An exhibition will be part of the conference. Since exhibition space is limited, we recommend early registration to secure best booth position. Please reserve your exhibitor space as soon as possible using the Vendor's Application Registration Form.

Please contact: M. Kasper, T: +41 56 618 66 38, ETH.exhibition@matter-aerosol.ch.

Deadlines:

- **Submission of abstracts for papers and posters: April 14th, 2012**
 - **Exhibition application: April 14th, 2012**
 - **Submission of the extended summary for the Conference Proceedings: June 9th, 2012**
 - **Registration for Participation: June 2nd, 2012**
 - **You will be informed on acceptance of your paper/poster by May 15th, 2012**
- Online registration and download of "Abstract Form" and "Exhibitors Application Registration Form" at www.nanoparticles.ethz.ch**

Registration and Conference Fee

As in the previous years, no participation fee for the conference will be charged. This is possible only thanks to generous financial support of our sponsors. Nevertheless, online registration is mandatory via www.nanoparticles.ethz.ch.

Social Events

The Conference opens with a Welcome Party on Sunday June 24th, 2012 at 7.00 pm in the Alumni Pavilion behind the ETH main building (see map last page). On Monday June 25th, 2012 an Exhibitor Reception will take place. All participants are also invited to join the sponsored Conference Dinner on Tuesday evening June 26th, 2012 in the University Restaurant. Registration for the Welcome Party and the Conference Dinner are mandatory.



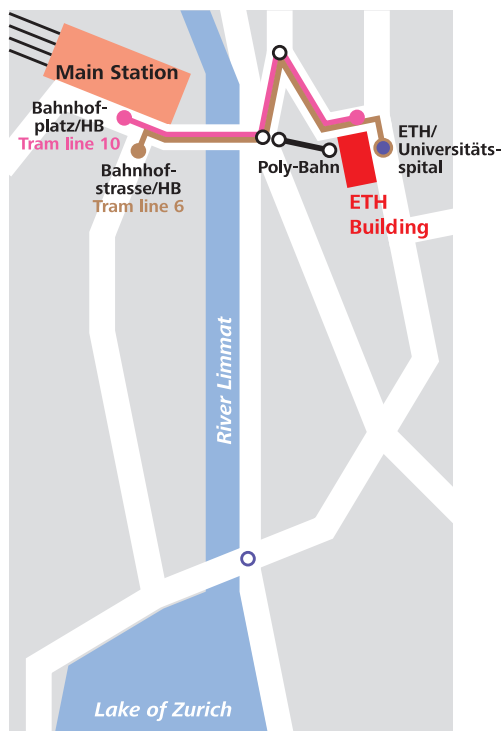
The ETH main building was designed by the German architect G. Semper (1803 -1879).

Conference Location

Swiss Federal Institute of Technology Zurich (ETHZ)
Main Building,
Rämistrasse 101
CH-8092 Zürich
www.ethz.ch/
Phone: + 41 44 632 11 11

Further Information

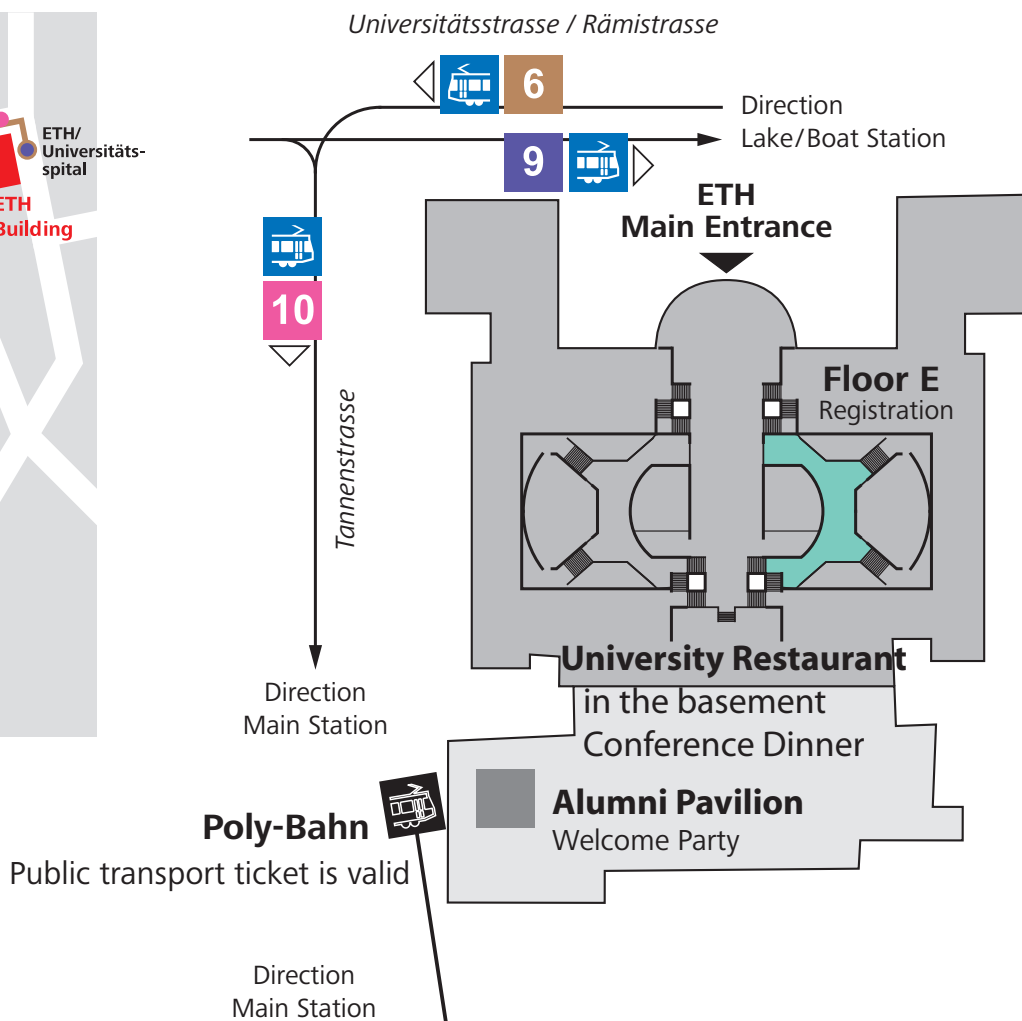
Dr. A. Mayer/TTM
ttm.a.mayer@bluewin.ch
Phone: + 41 56 496 64 14



Timetable Tramway

Line 6
Every 7–8 minutes
Duration: 6 minutes

Line 10
Every 7–8 minutes
Duration: 6 minutes



Travel information and Accommodations

Online hotel reservation is also possible via the conference homepage
www.nanoparticles.ethz.ch

Contact for Questions: Anita Anselmi, Tel + 41 – (0)44 268 20 71 Anita.Anselmi@lunge-zuerich.ch

For travel information and accommodation please contact:

Zürich Tourism:

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