

Call for Papers and Invitation

13th ETH-Conference on Combustion Generated Nanoparticles

June 22nd – 24th 2009

www.nanoparticles.ethz.ch

12.January 2009

Dear Colleagues,

We invite you to the 13th Conference on Combustion Generated Nanoparticles at the Swiss Federal Institute of Technology, Zürich on Monday 22nd to Wednesday 24th of June 2009. The venue will be again at ETH-Zentrum.

The conference will provide an interdisciplinary forum for experts in various fields for the discussion of new scientific findings on combustion-generated nanoparticles, methods to characterize such particles for research, automobile type-approval, diagnostics, manufacturing control and in-use compliance testing. Moreover, we intend to discuss progress of internal and external emission control of IC-engines and other combustion technologies, as well as health effects due to combustion-generated nanoparticles and their effects on climate.

Sessions will focus on the following aspects of combustion generated particles and not on manufactured particles:

- Formation of nanoparticles in technical combustions
- Effects of fuels and lubricants, including biofuels
- Metal oxide emissions from engine wear and lubricants
- Strategies to minimize particle formation within the engine combustion process
- After-treatment technologies, properties and possible secondary emissions
- Combustion generated nanoparticles in the atmosphere; processes, properties and effects
- Impact of black carbon nanoparticles on global warming
- Instrumentation and calibration for measuring solid and volatile nanoparticles
- PEMS and OBD-sensors for nanoparticle emissions
- Modeling strategies for close-to-traffic exposure
- Exposure inside vehicles and possibilities of cabin air cleaning from nanoparticles
- Legislation and enforcement of limit values for OE and retrofit onroad, offroad, marine, rail and stationary
- Health effects due to combustion-generated nanoparticles.

Invited keynote speakers will highlight the complexity of research and technology topics, new health impact findings and new retrofit enforcement strategies.

During a Focus-Event scheduled on Wednesday afternoon invited speakers will discuss practical experience with best available technology particle filter retrofit onroad and offroad.

Papers and Posters:

We invite you to contribute either oral presentations or posters pertaining to the above mentioned subjects. Please send your proposals on the attached "Abstract Form" electronically not later than Friday, 20th of March 2009, to ttm.a.mayer@bluewin.ch. Abstract must contain information on the research subject, the investigation methods and results obtained so far. Tables and graphs are very welcome. Acronyms should be avoided.

We need your final contribution in electronic pdf format, latest at the meeting, to include it with your permission in the proceedings. This final submission should contain all of the presented data together with a 2-page summary.

Exhibition of Nanoparticle Measurement Instruments and Particle Filter Systems:

An exhibition will again be part of this event. Please apply for exhibit space a.s.a.p. using the attached form.

Conference Fee and Social Events

As in previous years, there will be no conference fee thanks to the support of our sponsors and we are happy to invite you to a dinner party, organized in the university mensa, on the evening of Monday, 22nd of June - and there will again be a welcome party on Sunday night - for the venue please consult the conference homepage.

Deadline for Registrations

Registration deadline for attending the meeting is 22nd of May – please use the attached "Registration Form". The travel and tourism addresses mentioned below are useful to prepare your stay in Zurich.

With kind regards from the Organizing Committee

Prof.Dr.K Boulouchos ETH / LAV
Prof.Dr.H.Burtscher FHNW / IAST
Prof.Dr.J.Czerwinski AFHB Biel
Prof.Dr.P.Gehr Uni Bern

Prof.Dr.U.Baltensperger PSI
Th.W.Lutz ETH
P.Kirchen ETH
Dr.A.Ulrich EMPA

Dr.C.D.Schegk VERAN
Dr.M.Kasper Matter Engineering
Dr.C.Leuenberger LEUPRO
A.Mayer TTM

P PSI
ETH
A.Mayer

Organization: A. Mayer/TTM

Fohrhölzlistrasse 14B
CH 5443 Niederrohrdorf
Phone: +41(56)496 6414

Travel Agency:

HRG Switzerland Ltd
Bahnhofstrasse 96
CH-5001 Aarau

ZÜRICH TOURISM:

PO Box, CH-8023 Zürich
Phone: +41(44)215 40 40
Fax: +41(44)215 40 44

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e-mail: hrg.aarau.ch@hrgworldwide.com

Homepage: www.zuerich.com
e-mail: hotel@zuerich.com

13th ETH-Conference on Combustion Generated Nanoparticles
June 22nd – 24th 2009

Registration Form

- I am planning to **attend the meeting** on 22nd – 24th of June 2009 at ETH Zurich
- I will attend the dinner party on Monday night
- I will attend the welcome party on Sunday night

Name

Affiliation.....

Mailing address

Phone E-mail.....

**Return by e-mail latest 22nd of May 2009 to
ttm.a.mayer@bluewin.ch**

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June 22nd – 24th 2009

Paper/Poster-Abstract Form

Name of Author.....
Co-Authors.....
Affiliation
Mailing address
Phone / Fax..... E-mail.....

Title:

Abstract: (min. 300 – max. 500 words)

The abstracts for papers and posters must contain unpublished information on the research subject: background, investigation methods, results and conclusions. Graphs and references are very welcome. Acronyms should be avoided. During your presentation at the conference you may expand on this with additional data and results. Abstracts with < 300 words can not be considered. General information on products related to the conference subjects which are already commercially available can not be accepted as presentations for the conference but are very welcome at the exhibition.

Short CV:

Return by e-mail latest 20nd of March 2009 to
ttm.a.mayer@bluewin.ch

13th ETH Conference
Combustion Generated Nanoparticles
June 22-24, 2009, ETH Zürich

Exhibitor Arrangements:

Mr. Andreas Knecht
Matter Engineering
Nanoparticle Measurement
Bremgarterstr.62
5610 Wohlen
Switzerland

T: +41 56 618 66 41
E: ETH.exhibition@matter-engineering.com

Wohlen / Zürich, January 12th, 2009

Instrument and Filter Exhibition

Dear Colleagues,

From June 22nd to 24th, 2009 we expect some 400 experts to attend the 13th ETH Conference "Combustion Generated Nanoparticles" in Zürich.

As in previous years, there will be an opportunity to present your company, products and services in an exhibition near the conference venue.

Please let us know if your company is interested in participating in the exhibition.

Date: June 22-24, 2008
Place: ETH Zürich, Switzerland
Booth: approx. 5 m² (1.5 m x 3.6 m)
Fee: CHF 1100.00 / EUR 700.00

- We will participate; please reserve a booth for us.
 Please put us on stand-by. We are not sure yet
 We would like to sponsor the conference with an additional contribution of CHF/EUR _____

Sincerely,

Dr. Markus Kasper

Member of the Organising Committee

Company Name
Address
Contact Person
(phone, fax, e-mail)
www address

filter / DPF particle measurement

reply to: ETH.exhibition@matter-engineering.com