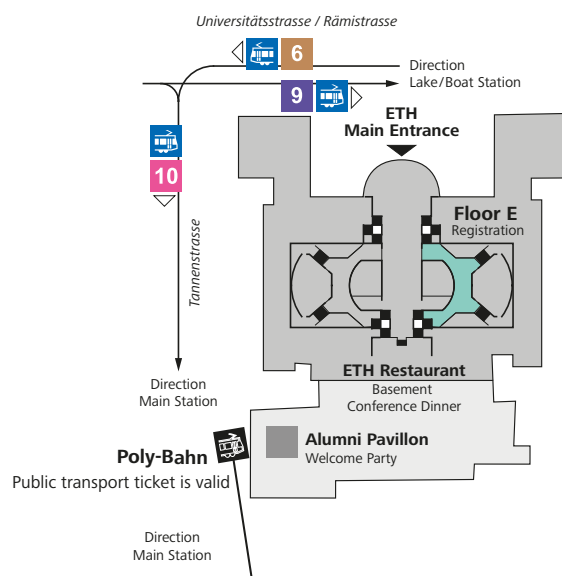
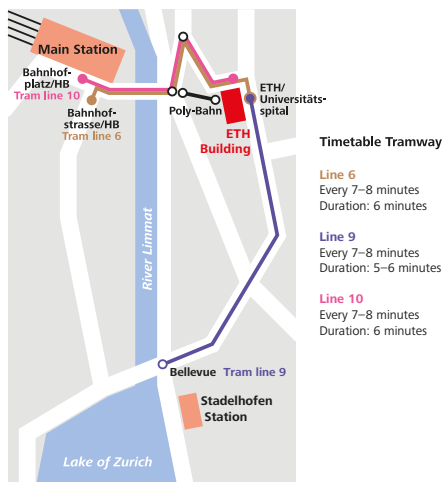


Conference Location

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

situated above Zürich's old town. It is accessible by tram
lines 6, 9 and 10 or, as an adventurous alternative, by the
Polybahn (see maps below).



Registration and Conference Fee

Online registration is required under
www.nanoparticles.ch where abstract and exhibitor
application forms are available. No participation fee will
be charged. This is possible only thanks to the generous
financial support of our sponsors.

For questions related to the online registration
please contact

Anita Anselmi

Phone: +41 44 268 20 71

anita.anselmi@lunge-zuerich.ch



LUNGE ZÜRICH

Hilft. Informiert. Wirkt.

Travel information and Accommodations

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

Or contact

Zurich Tourism

Post Box

CH-8023 Zürich

Phone: +41 44 215 40 00

www.zuerich.com

hotel@zuerich.com

General information is also available on CH Tourism,
www.myswitzerland.com

Further Information

Dr. Andreas Mayer, TTM

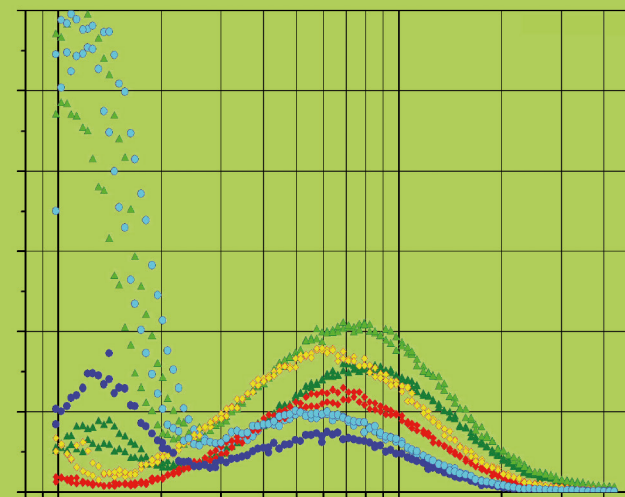
ttm.a.mayer@bluewin.ch

Phone: +41 56 496 64 14

Invitation and call for papers to the

22nd ETH-Conference on Combustion Generated Nanoparticles

Focus Event: Emissions of in-use vehicles: Quality and control



June 18th – 21st, 2018

ETH Zurich, Switzerland

www.nanoparticles.ch

Photo courtesy of N. Heeb

Layout and print by Empa

The ETH Conference on Combustion-Generated Nanoparticles serves as an interdisciplinary platform for expert discussions on all aspects of nanoparticles, freshly emitted from various sources, aged in ambient air, technical mitigation aspects, impact of particles on health, environment and climate and particle legislation. The conference brings together representatives from research, industry and legislation.

Conference Topics

- Aftertreatment quality control of in-use vehicles
- Aircraft, marine and other non-road sources
- Ambient air particles
- Biomass combustion and biofuels
- Emission control of diesel and gasoline engines
- Environmental impact and global warming
- Health effects
- Legislation and enforcement
- Nanoparticle formation and transformation
- Particle filter and deNOx technologies
- Particle metrology and chemical characterization
- Secondary emissions

Opening and Key Notes

The conference will be opened by **Tiana Angelina Moser**, member of the Swiss parliament. Invited keynote speaker is **Dr. Wolfgang Kreyling**, Helmholtz Center Munich. His talk is entitled "Is there sufficient evidence of adverse effects of nanoparticles on neuro-degenerative diseases when compared to their cardiovascular and respiratory health effects?"

Focus Event: Emissions of in-use vehicles: Quality and control

Mission completed? One target of the ETH-NPC is the application of best-available-technology (BAT) filters for all combustion engines. We now have >100 million vehicles equipped with filters on our roads. But failures and manipulations might reach 10% of all vehicles – far too high and not all filters are BAT quality. Therefore, we need intelligent tools for failure analysis, preventive maintenance and failure detection in real life by periodic tests for the entire fleet.

Health Session

The session will provide new experimental and epidemiological results about health consequences of air pollution. Special emphasis will be on the exposome linking all ambient exposures of an individual with molecular, metabolic and systemic health effects.

Papers and Posters

- We invite you to submit abstracts for oral and poster presentations on line according to instructions given on the registration page www.nanoparticles.ch.
- Abstracts must contain new information and results related to the above mentioned topics.
- Best poster presentations will be awarded.
- Presenters at the conference will be invited to submit full length papers for publication after peer-review, in the journal "Emission Control Science and Technology".
- All contributions (including pdf copies of talks, posters and abstracts) will be published on the conference page. Submission of an abstract includes your agreement for publication on the conference homepage.

Scientific and Organizing Committee

Anita Anselmi, Lunge Zürich
Dr. Christophe Barro, ETH/LAV
Oliver Bischof, TSI
Prof. Dr. Konstantinos Boulouchos, ETH/LAV
Prof. Dr. Heinz Burtscher, FHNW/IAST
Dr. Luis Cachón, Testo
Prof. Dr. Jan Czerwinski, BFH/AFHB, Biel
Giovanni D'Urbano, FOEN, Bern
Prof. (em) Dr. Peter Gehr, University of Bern
Dr. Martin Gysel, PSI
Dr. Norbert Heeb, Empa
Dr. Adrian Hess
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Prof. Dr. Nino Künzli, Swiss TPH & University of Basel
Thomas W. Lutz, ETH/LAV
Dr. h.c. Andreas Mayer, TTM
Prof. Barbara Rothen-Rutishauser, AMI, University of Fribourg
Dr. Claus-Detlef Schegk, VerAn
Dr. Martin Stöckli, Inspire AG
Yan Zimmerli, BFH/AFHB, Biel

Exhibition

The exhibition on particle measurement instrumentation and emission control devices is an integral part of the conference.

Due to space limitations, we recommend early registration with the exhibitor application form for best booth positions. For further information contact Dr. L. Cachón, Phone: +49 7653 681 50 62, LCachon@testo.de.

Deadlines

- Abstract submission for oral and poster presentations: March 23, 2018
- Exhibition application: March 23, 2018
- Information on paper/poster acceptance by April 20, 2018
- Registration for participants: May 18, 2018

Social Events

The conference welcome party will take place on Monday, June 18, at 7 pm in the Alumni Pavilion.

On Tuesday, June 19, an exhibitor reception takes place.

All participants are cordially invited to join the sponsored conference dinner on Wednesday evening, June 20, at the ETH restaurant (see maps on next page).



Enjoy Zürich at night after a long day at the 22nd Conference on Combustion Generated Nanoparticles held at the Swiss Federal Institute of Technology.