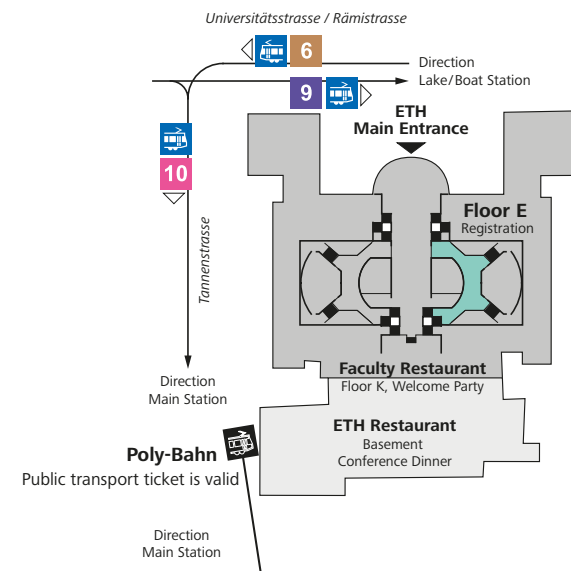
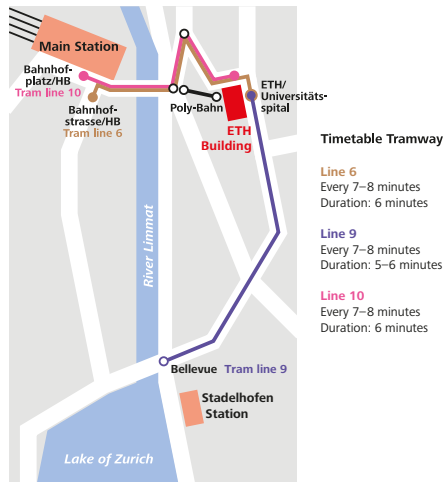


Conference Location

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



Travel Information and Accommodation

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

Or contact
Zürich 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

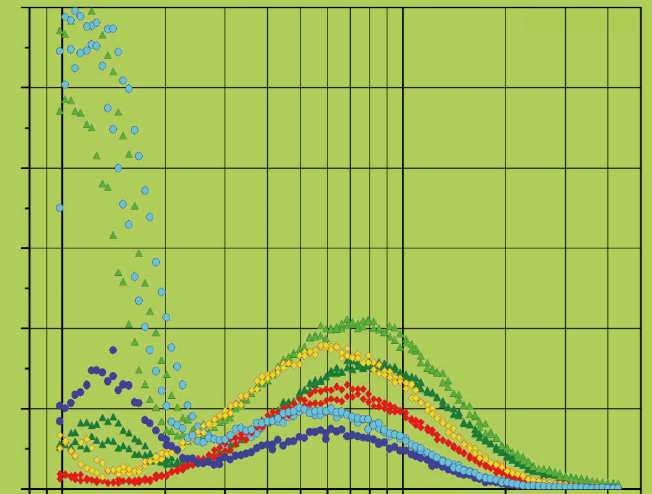
Under the Auspices of

ETH and Federal Office for the Environment (FOEN)

Invitation and call for papers to the

24th ETH-Conference on Combustion Generated Nanoparticles

Focus Event: Combustion and Climate Change



June 22nd – 25th, 2020
ETH Zürich, Switzerland
www.nanoparticles.ch
[#ethnpc2020](https://twitter.com/ethnpc2020)

No conference fee, sponsors welcome
Under the auspices of FOEN and ETH

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

- Aircraft, marine and other non-road sources
- Ambient air particles, secondary pollutants
- Biomass-, biofuel- and synfuel combustion
- Emission control of combustion engines and vehicles
- Emission up-grade and PTI for in-use vehicles
- Future legislation and enforcement
- Impact on climate
- Environmental and health effects
- Nanoparticle formation and transformation
- Exhaust aftertreatment systems
- Nanoparticle metrology and chemical characterization
- Occupational exposure and prevention
- Nanoparticle chemistry and toxicology

Opening Ceremony and Key Note

The conference will be opened by **Prof. Dr. Detlef Günther**, vice president ETH Zürich. The keynote lecture will be given by **Prof. Dr. Thomas Stocker**, head of the climate and environmental physics division, University of Bern, entitled "Climate Crisis: Too Late for 2 Degrees?".

Focus Event: Combustion and Climate Change

Combustion engines (CE) are produced at large scales and applied worldwide to transport goods and people. The IPCC estimated that 7.0 Gt CO₂ eq. of direct greenhouse gas emissions were released by the transport sector in 2010. This corresponded to 23% of the total energy-related CO₂ emissions. Without aggressive mitigation policies, transport emissions are expected to reach 12 Gt CO₂ eq. by 2050. Thus, reduction of CO₂ emissions of the transport sector will be a major challenge to tackle.

Health Session

The session will provide new experimental and epidemiological results about health consequences of combustion emissions. Special emphasis will be on neuronal effects and occupational exposure.

Papers and Posters

- We invite you to submit abstracts for oral and poster presentations on the registration page www.nanoparticles.ch.
- Abstracts must contain new information and results related to the aforementioned topics.
- Best poster presentations will be awarded with prize money and certificates.
- 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. (em) Dr. Heinz Burtscher, FHNW/ISE
Prof. (em) Dr. Jan Czerwinski, BFH/AFHB, Biel
Peter Bonsack, FOEN/BAFU
Dr. Danilo Engelmann, BFH/AFHB, Biel
Prof. (em) Dr. Peter Gehr, University of Bern
Dr. Martin Gysel, PSI
Dr. Norbert Heeb, Empa
Volker Hensel, VERT
Dr. Christoph Hüglin, Empa
Prof. Dr. Nino Künzli, Swiss TPH & University of Basel
Thomas W. Lutz, ETH/LAV
Dr. h.c. Andreas Mayer, TTM
PD. Dr. Loretta Müller, University of Bern, DBMR
Prof. Barbara Rothen-Rutishauser, AMI, University of Fribourg
Dr. Claus-Detlef Schegk, VerAn
Dr. Martin Stöckli, Inspire AG
Dr. Konstantina Vasilatou, METAS
Yan Zimmerli, BFH/AFHB, Biel

Exhibition

The exhibition on particle measurement instrumentation (PMI) and emission control devices (ECDs) is an important part of the conference.

For further information and registration contact:

Prof. Dr. H. Burtscher (PMI)

Phone: +41 56 202 74 73, heinz.burtscher@fhnw.ch

V. Hensel, CEO-VERT (ECDs)

Phone: +49 174 864 64 64, volker.hensel@auriga.com

Deadlines

- **Abstract submission for oral and poster presentations: March 27, 2020**
- **Exhibition application: March 27, 2020**
- **Information on paper/poster acceptance by May 4, 2020**
- **Registration for participants: May 22, 2020**

Social Events

The conference welcome party will take place on Monday, June 22, at 7 pm in the Faculty Restaurant on top of the ETH main building (Floor K).

On Tuesday, June 23, an exhibitor reception takes place.

All participants are cordially invited to join the sponsored conference dinner on Wednesday evening, June 24, at the ETH restaurant (see maps on next page) which is paid for by our sponsors.

The paddle wheeler "City of Zürich" is possibly the most spectacular way to approach the 24th ETH Conference on Combustion Generated Nanoparticles.

