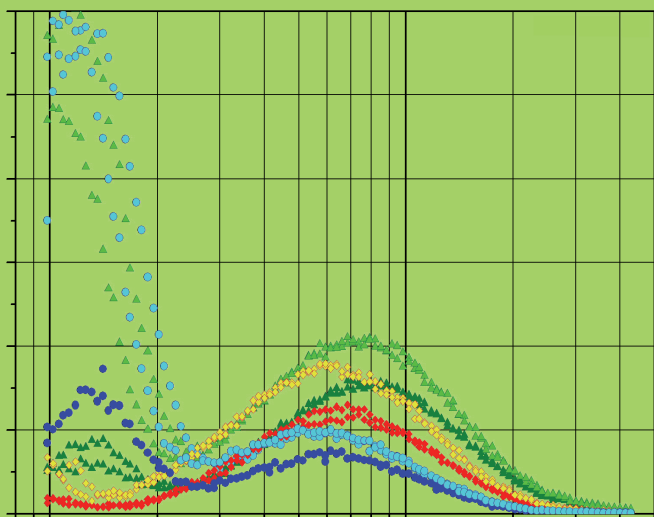


Online  
Conference

Invitation and call for e-papers to the

# 25<sup>th</sup> ETH-Conference on Combustion Generated Nanoparticles

**Focus Event:**  
**New legislation to guide the world**



**June 21 – 23, 2022**

**ETH Zürich, Switzerland – online**

[www.nanoparticles.ch](http://www.nanoparticles.ch)

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**No conference fee, sponsors welcome**

Organized by the  
NPC-association, a registered  
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Under the auspices of  
FOEN, SCS and ETH



## 25<sup>th</sup> ETH-Conference on Combustion Generated Nanoparticles

The ETH Conference on Combustion-Generated Nanoparticles in 2022 is again organized as an online conference under the auspice of the Swiss Chemical Society. It 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
- Brake- and tyre-wear, non-combustion emissions
- Emission control of combustion engines
- Emission upgrade and PTI for in-use vehicles
- Environmental and health effects
- Exhaust aftertreatment systems
- Future legislation and enforcement
- Impact on climate
- Nanoparticle formation and transformation
- Nanoparticle metrology and chemical characterization
- Nanoparticle chemistry and toxicology
- Occupational exposure and prevention

### Focus Event: New legislation to guide the world

The World Health Organization air quality guidelines, European vehicle and engine legislation, national clean air acts, and periodic technical inspection (PTI) legislation have become key elements of international and national clean air policy. With no doubt, the implementation of catalytic converter technologies and better fuels, compatible with such technologies, were major steps to reduce emissions of combustion engines.

The 2022 focus event will discuss the next legislative steps to take and the challenges to tackle with new fuels and new engine and vehicle technologies, to further reduce the impact of air pollution on health and global warming.

### Health Session

The health session will provide new experimental and epidemiological results and evidence about health consequences of combustion emissions and other emissions.

## e-Papers and e-Posters

- We invite you to submit abstracts for oral and video poster presentations on the registration page [www.nanoparticles.ch/registration](http://www.nanoparticles.ch/registration).
- Abstracts must contain new information and results related to the aforementioned topics.
- Best e-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 and mp4 video files 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

Claudia Auinger, Empa

Oliver Bischof, TSI

Peter Bonsack, FOEN

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Dr. Konstantina Vasilatou, METAS

Céline Wittwer, Swiss Chemical Society

Yan Zimmerli, BFH/AFHB, Biel

## e-Exhibition

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

For further information and registration contact:

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## Important Dates and Deadlines

- Registration opening: February 25, 2022
- Abstract submission for oral and e-poster presentations: April 22, 2022
- e-Exhibition application: April 22, 2022
- Information on paper/poster acceptance by May 20, 2022
- Video upload for virtual posters: June 16, 2022

## Registration and Conference Fee

Online registration is required under [www.nanoparticles.ch/registration](http://www.nanoparticles.ch/registration) 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.

## Further Information

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## Under the Auspices of

ETH, Swiss Chemical Society,

Federal Office for the Environment, FOEN

Online  
Conference

The city of Zürich, at the outflow of lake Zürich. The latter is a legacy of the last ice age, when the Linth glacier extended from the Alps to Zürich about 25'000 years ago.