

## Host Organizations

 **KIT | Karlsruhe Institute of Technology**  
 Karlsruhe Institute of Technology (KIT) pools its three core tasks of research, higher education, and innovation in a mission. The KIT Center Climate, Environment and Resources (CLEAR) develops strategies and technologies to secure the natural bases of life.  
[www.kit.edu](http://www.kit.edu)

 **EFCA | The European Federation of Clean Air and Environmental Protection Associations** aims at encouraging professional activity in Europe while working at the interface between science and (European) policy on environmental problems.  
[www.efca.net](http://www.efca.net)

 **GUS | Gesellschaft für Umweltsimulation e.V.** (Society for Environmental Engineering). It is the organisation of people, institutions and companies who work in environmental engineering and testing. Since 1969, GUS supports the development of environmental engineering on a non profit basis.  
[www.gus-ev.de](http://www.gus-ev.de)

 **CEES | The Confederation of European Environmental Engineering Societies** is the umbrella organisation of national technical societies for environmental engineering and testing. CEEES promotes technical advisory boards, seminars and conferences with the support of national member societies.  
<https://ceees.eu>

## Organizing Committee

**Sabine Aref**  
 Gesellschaft für Umweltsimulation (GUS)

**Claudia Bauer**  
 KIT Center Climate, Environment and Resources (CLEAR)

**Susanne Bolz**  
 Karlsruhe Institute of Technology

**Berna Gerçé-Wolff**  
 KIT Center Climate, Environment and Resources (CLEAR)

**Kirsten Hennrich**  
 KIT Center Climate, Environment and Resources (CLEAR)

**Andreas Krell**  
 Helmholtz Association, Brussels Office

**Thomas Reichert**  
 Fraunhofer ICT, EFCA and CEEES

**Harald Saathoff**  
 Karlsruhe Institute of Technology

## Information

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 website: [ufp.efca.net](http://ufp.efca.net)

## Venue

Representation of the State of Baden-Württemberg to the EU  
 Rue Belliard 60-62  
 1040 Brussels, Belgium



Baden-Württemberg  
VERTRETUNG DES LANDES BEI DER EUROPÄISCHEN UNION

## Registration and Fee

Please register online via [ufp.efca.net](http://ufp.efca.net)  
 Participant fee: € 580,-  
 Reduced fee for authors: € 400,-

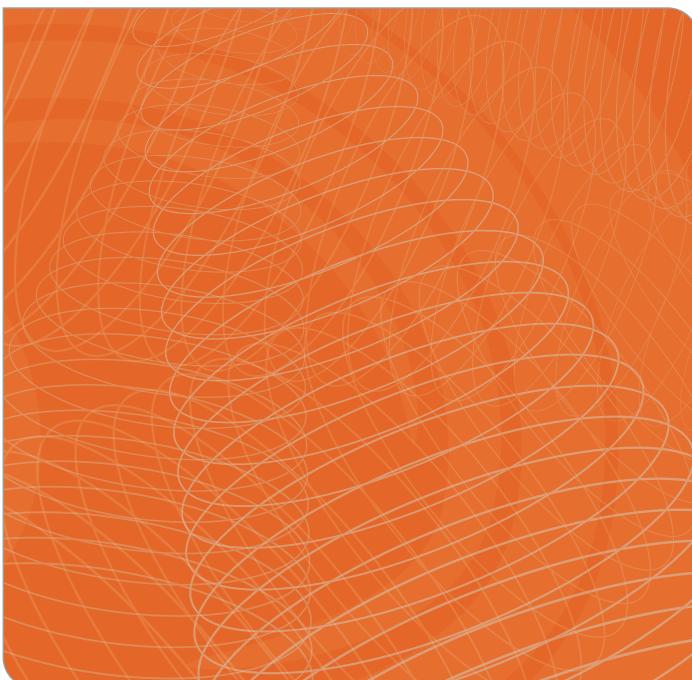
(one author per contribution)  
 Including book of abstracts, conference proceedings, conference buffets and refreshments

European Federation of Clean Air and Environmental Protection Associations (EFCA)  
 International Symposium

# Ultrafine Particles – Air Quality and Climate

ANNOUNCEMENT – CALL FOR PAPERS

Brussels, Belgium  
 June 17 and 18, 2026



## Issued by

Karlsruhe Institute of Technology (KIT)  
 President Prof. Dr. Jan S. Hesthaven  
 Kaiserstraße 12  
 76131 Karlsruhe, Germany  
[www.kit.edu](http://www.kit.edu)

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## Introduction

Ultra Fine Particles (UFP), the nano fraction of air borne particulate matter, are considered to cause serious health problems and environmental effects. Combustion is a major source, also by producing volatile organic pollutants which are converted in the atmosphere by photochemical reactions. Increasing applications of man-made nanomaterials add to the problem. A further interest results from their specific role in atmospheric processes such as cloud formation and precipitation and, in fact, in climate. The relation between UFP and human health and that of UFP and climate are both areas of intense research and cross-links between these fields are found nowadays.

The political objective to decrease exposure to particulate matter makes use of the mass-based metrics PM10/PM2.5, which do not properly represent all risks for human health. EFCA is, therefore, in favor of the development of a fraction-by-fraction approach on particulate matter, both with respect to size and chemical composition. This position was adopted by the European Commission in the recent Air Quality Directive which has marked Ultrafine Particles and Black Carbon Particles as pollutants of emerging concern and has called for appropriate measurements to be taken.

EFCA's 10th Ultra Fine Particles Symposium 2026 will feature the most recent scientific progress and improve the dialogue with policy- and rule makers in Europe. The Symposium has gained visibility by its venue at the Baden-Württemberg State Representation in Brussels and attracts an effective mix of EU representatives and scientists. EFCA and KIT, together with GUS and CEEES are pleased to organize this event again. We cordially invite all experts to contribute actively and hope to see you at the State representation of Baden-Württemberg in Brussels in June 17th and 18th, 2026.

## Scientific Focus of the 2026 Symposium

The scientific focus will cover entire topics on interactions between Ultra Fine Particles and air quality, recent findings, hypothesis, monitoring results, health and impact assessments. Volatile particles and toxic effects, release of UFP, and exposure assessment. A focus will be on the consequences of the European air quality directive for research and air quality management.

Thomas Leisner | Chairman

## Call for Papers

Conference topics in ultrafine particles research and abatement strategies include:

**Sources:** Emissions, inventories, nucleation, and growth of ambient ultrafine particles

**Characterization:** Particle size, volume, shape, particle size distribution, chemical composition, oxidative capacity

**Air quality:** Measurement and methods; modelling atmospheric transformation of particles; monitoring approaches and data; equipment

**Climate effects:** Role of ultrafine particles in cloud formation and stimulating climate effects; regional aspects

**Epidemiology:** Epidemiological and human clinical studies with size differentiation of small particles

**Health effects and mechanisms:** *In vivo* and *in vitro* toxicity, transport in the body; relevant research techniques

**Mitigation strategies and policies:** Policy studies on UFP; cost-effective mitigation of PM; Decision finding: Public hearings, citizen tables

## Submission of Abstracts

Please send abstracts (max. 300 words) to

Karlsruhe Institute of Technology

**Berna Gerze-Wolff**

ufp@imkaaf.kit.edu

not later than **March 13th, 2026**.

The abstract should be a pdf-file. Authors will be informed about the acceptance of the paper by April, 14th, 2026.

## Symposium Chairman

**Thomas Leisner**, Institute for Meteorology and Climate Research, Karlsruhe Institute of Technology (KIT), Germany

## Program Committee

**Flemming Cassee**, Dutch National Institute for Public Health and the Environment RIVM, Bilthoven, The Netherlands

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**Ljuba Woppova**, VDI/DIN KRdL Germany

**Martin Zeltner**, Cerd' Air, Switzerland

**Karl-Friedrich Zieghahn**, KIT and GUS, Germany

## Keynote speakers

**Johan Øvrevik**, NIPH, Oslo, Norway

**Xavier Querol**, IDAEA-CSIC, Barcelona, Spain

**Ulf Olofsson**, KTH, Stockholm, Sweden

**Christoph Knotz**, Augsburg University, Germany