

## Sponsors



### **KIT | Karlsruhe Institute of Technology**

KIT bundles the missions of both precursory institutions: A university of the state of Baden-Wuerttemberg with teaching and research tasks and a large-scale research institution of the Helmholtz Association conducting program-oriented research on behalf of the Federal Republic of Germany. Within these missions, KIT is operating along the three strategic fields of action of research, teaching, and innovation.

[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 organization 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. CEES promotes technical advisory boards, seminars and conferences with the support of national member societies.

[www.cees.org](http://www.cees.org)

## Organizing Committee

### **Thomas Reichert**

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Gesellschaft für Umweltsimulation (Chairman)  
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EFCA, The Netherlands

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Gesellschaft für Umweltsimulation  
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### **Angela Richter**

Helmholz Gemeinschaft, Brussels Office  
Belgium

### **Biserka Mathes**

Karlsruhe Institute of Technology (KIT)  
Germany

### **Peter Rombout**

VVM-CLAN, The Netherlands

## Information

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[www.efca.net](http://www.efca.net)

## Venue

Vertretung des Landes Baden-Württemberg bei der EU  
Rue Belliard 60–62  
B-1040 Brüssel  
[www.stm.baden-wuerttemberg.de](http://www.stm.baden-wuerttemberg.de)

## Fee

Participant fee: € 240,-  
Fee for members of EFCA,  
administrations and universities: € 120,-  
One author per paper will be free of symposium charge.

## Accommodation

Hotel rooms have been reserved for symposium participants until March 4, 2011.  
Please book your rooms directly with your complete creditcard details in one of these Hotels below:

### **Hotel First Euroflat**

Bd. Charlemagne 50, 1000 Brussels

Phone: +32 2 2867973

Fax: +32 2 2303683

mail to: [sales@hoteleuroflat.be](mailto:sales@hoteleuroflat.be)

Single room: 155 € / Double Room: 175 €,

incl. breakfast, service and tax.

Friday and Saturday 99 € for double and single occupancy (Code EFCA2505).

Distance by foot about 12 minutes.

### **Argus Hotel Brussels**

3, Rue Capitaine Crespel, 1050 Brussels

Phone: +32 2 5140770

Fax: +32 2 5141222

mail to: [reception@hotel-argus.be](mailto:reception@hotel-argus.be)

Single Room: 120 € / Double Room: 140 €.

Friday and Saturday 70 € / 75 € (Code EFCA).

Distance by foot about 18 minutes.

[www.kit.edu](http://www.kit.edu)



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

## Ultrafine Particles

Sources, Effects, Risks and  
Mitigation Strategies

Brussels, Belgium  
May 26 and 27, 2011

ANNOUNCEMENT AND CALL FOR PAPERS

## Introduction

Ultra-fine particles, briefly named UFP, are the smallest constituents of airborne particulate matter, and are considered to be an important factor in causing serious health problems and environment effects. Their effects on air quality, atmospheric processes such as cloud formation and precipitation, climate influence and human health are by far not finally investigated to proven evidence.

Targeting on the decrease of the exposure to particulate matter European regulations have been set but focused on the larger fractions of particulate matter, certainly due to a lack of awareness, knowledge and measurement technology on UFP. These very small particles may cause different effects than larger particles and other properties may be relevant. Shape has been recognized as such and chemical composition is another characteristic. As they contribute hardly to the mass of particulate matter gravimetric monitoring does not properly reflect its risk.

The 3<sup>rd</sup> EFCA Ultra-Fine Particles Symposium 2011 will reflect the most recent scientific knowledge and will improve the dialogue with policymakers in Europe. Launched in 2007 in Karlsruhe, Germany, the EFCA-UFP Symposium has gained visibility by moving to Brussels with an impressive participation of EU representatives and scientists. Now EFCA and KIT together with GUS and CEEES jointly feature this event again. Hosted by the State representation of Baden-Württemberg in Brussels we cordially invite all experts for active contributions. Meet your colleagues again and see you in Brussels in May 2011.

Karl-Friedrich Ziegahn  
Chairman

## Call for Papers

Conference topics in ultrafine particles research and abatement strategies include:

**Emission sources:** Ambient ultra-fine particles and nano particles, emission inventories

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

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

**Climate Effects:** Role of ultra fine 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

**Abatement strategies and policies:** policy studies on UFP; cost-effective mitigation of PM

## Submission of Abstracts

Please send abstracts (max. 300 words) to

Karlsruhe Institute of Technology,  
Mrs. Biserka Mathes  
b.mathes@kit.edu

not later than **January 31<sup>st</sup>, 2011**.

The abstract should be a pdf-file, based upon a Powerpoint or a Word document. Authors will be informed about the acceptance of the paper by end of February 2011.

## Symposium Chairman

**Karl-Friedrich Ziegahn**

Karlsruhe Institute of Technology and President of the Gesellschaft für Umweltsimulation, Germany

## Program Committee

**Peter Bruckmann**, Landesamt für Natur, Umwelt und Verbraucherschutz Nordrhein Westfalen (LANUV), Recklinghausen, Germany

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**Giuseppe Zerbo**, Istituto di Merceologia dell'Università di Catania, Italy

## Keynote speakers

**Nicole Janssen**, RIVM, Bilthoven

**Andreas Petzold**, DLR, Oberpfaffenhofen-Wessling

**Xavier Querol**, Spanish National Research Council, Barcelona