WELCOME TO THE AIRMODUS 1 nm WORKSHOP 25.6.2017!

Join us in discussing the general requirements of measuring the very smallest aerosol particles, with special focus on particles with diameter down to 1 nm. We will address e.g. calibration methods and the ways to ensure data comparability. The event will take place on the beautiful coastline of Helsinki in a restaurant called Mestaritalli. Address: Merikannontie 2, 00260 Helsinki.

14:30 Light lunch: Salad and fruit buffet

15:00 Opening the workshop

The event will consist of discussions opened by presentations by experts in the field. If you think we need to add a discussion item, please let us know. You are also welcome to present your own work, or a topic that you think needs to be discussed (please contact us to make the arrangements)

The experts:

Academician, Professor Markku Kulmala, University of Helsinki, Finland

Markku will tell us why it is important to measure the 1 nm particles in the first place and what is needed to be able to define the path from molecular clustering to global climate and air quality.

Professor Chris Hogan, University of Minnesota, USA

Chris will speak about his group's work in differential mobility analysis-mass spectrometry to look at vapor uptake by small clusters. The process of vapor uptake is important as a principle of how the PSM functions, but also e.g. when generating particles for calibration purposes.

Dr. Juha Kangasluoma, MSc Lauri Ahonen, University of Helsinki, Finland

Professor Michel Attoui, University of Paris, France

The nano particle generation and PSM calibration Dream Team will e.g. introduce the use of a hotwire generator and electrospray as sources for nano particles. Well defined and repeatable methods are crucial for calibration of 1 nm instrumentation.

Professor Lin Wang, University of Fudan. China

Lin will share his experiences in nano particle measurements. Lin's group was the first to study new particle formation events with the nCNC in China. Detecting nucleation even in the polluted air masses of Shanghai requires special attention to details.

Someone else you think should say a few words?

Coffee & tea will be served during the workshop

18:00 Closing the workshop

We will walk with you and/or arrange transportation to the venue of the ICNAA Icebreaking event: the Finnish National Museum is 1.4 km away.

Please register by email (elina.miettinen (at) airmodus.com) by the 1st of June, with information about any special diet you may have. If you have any questions please do not hesitate to contact us.

Looking forward to seeing you in Helsinki!

AIRMODUS