

Detailed schedule as per March 1st - may be subject to minor changes

Exhibitor presentations (5 minutes)

Monday March 13th	
14:45-14:50	“Cambustion Instruments for Aerosol Measurement & Conditioning” by Simon Payne (Cambustion)
14:50-14:55	“Indoor and Outdoor Monitoring Solutions from 1 nm to 35 microns” by Achim Edfelder (GRIMM)
14:55-15:00	“Particle Measurement Concepts and Solutions from UFP monitoring to indoor environments” by Florian Dahlkötter (TSI)
15:00-15:05	“Comde-Derenda GmbH – Who we are and what we do” by Anne Sophie Degener (Comde-Derenda)
15:05-15.10	“ACOEM - A complete offer” by Mikael Ramström (ACOEM)
15:10-15:15	(tba)
Tuesday March 14th	
15:45-15:50	EXIS AB (Lars Eriksson)
15:50-15:55	(tba)

Oral presentations (15 minutes, 12 minutes + 3 minutes QA):

Monday March 13th		
Oral session 1 (basic aerosol processes)		
Chair, co-chair: Dina Alfaouri, Nønne Prisle		
15.15-15.30	Jakub Kubecka	Synergy in Atmospheric Sulfuric Acid–Multi-Base New Particle Formation Studied by Computational Chemistry Enhanced by Machine Learning
15.30-15.45	Ivo Neefjes	Modelling approaches for atmospheric ion-dipole collisions: all-atom trajectory simulations and central field methods
15.45-16.00	Morten Engsvang	Modelling the cluster to particle transition of large anhydrous sulfuric acid and ammonia clusters
16.00-16.15	Christopher Daub	Computational investigations of bimolecular reactions between peroxy radicals
16.15-16.30	Lærke Sloth Nielsen	On the hygroscopic properties of airborne cells of the ice nucleation active bacterium <i>P. syringae</i>
16.30-16.45	Irfan Muhammed	Sensitivity of CCN concentrations to the shift in volatility distribution of organics

Tuesday March 14th		
Oral session 2 (aerosols and health)		
Chair, co-chair: Ditte Thomsen, Risto Makkonen		
10.15-10.30	Pak Lun Fung	Improving the current air quality index with new particulate indicators using a robust statistical approach.
10.30-10.45	Hugo Öhrneman	Decreased Lung Function in Adolescents due to Premature Birth, measured using Aerosol
10.45-11.00	Abdullah Khan	Lung deposition and personal exposure to black carbon during commuting and in the office
11.00-11.15	Madeleine Petersson Sjögren	Measured respiratory tract particle deposition in relation to lung characteristics, breathing pattern and deposition models
11.15-11.30	Camilla Abrahamsson	Nano-enabled construction materials in practice: Commercial availability, nano-marketing and product documentation in a Swedish context
11.30-11.45	Julia Linell	Alterations of particle deposition in the respiratory tract of adults and children at increasing physical activity

Tuesday March 14th		
Oral session 3 (basic aerosol processes, aerosol measurement techniques)		
Chair, co-chair: Gargi Sengupta, Paul Zieger		
15.55-16.10	Anssi Arffman	Experimental and numerical characterization of a new oxidation flow reactor (DOFR)
16.10-16.25	Simon Payne	Measurements of particle capture in PPE and HVAC filters using aerosols classified by aerodynamic diameter
16.25-16.40	Cheng Wu	Molecular composition and volatility of secondary organic compounds from nitrate radical oxidation of biogenic volatile organic compounds – from lab to field
16.40-16.55	Siddharth Iyer	Molecular rearrangement of bicyclic peroxy radicals: key route to aerosol from aromatics
16.55-17.10	Nanna Myllys	Salt particle hydration
17.10-17.25	Freja Hasager	Optimization and application of an analytical pyrolysis method for detection of airborne polystyrene nanoparticles

Wednesday March 15th		
Oral session 4 (atmospheric aerosol studies)		
Chair, co-chair: Maher Sahyoun, Ulas Im		
10.15-10.30	Michael Schulz	Benchmarks and requirements for a new aerosol scheme within the Norwegian Earth System Model
10.30-10.45	Maher Sahyoun	Climatic impacts of Primary Biological Aerosol Particles predicted by GISS-E2.1 Earth system model
10.45-11.00	Anilbhai Patel	Fog Processing on Aerosols' Oxidative Potential in the Italian Po Valley – Role of Aqueous Phase Chemistry
11.00-11.15	Paul Zieger	Scavenging of black carbon in low-level Arctic clouds
11.15-11.30	Ove Haugvaldstad	Decomposing radiative effects by mineral dust aerosols in CMIP6 AerChemMIP Earth System Models
11.30-11.45	Øyvind Seland	Evaluating the vertical distribution of black carbon in NorESM2 with respect to measurements using two different formulations of aerosol convective scavenging

Wednesday March 15th		
Oral session 5 (atmospheric aerosol studies)		
Chair, co-chair: Eva R. Kjærgaard, Sarah Blichner		
12.45-13.00	Liine Heikkinen	Cloud response to co-condensation of water and organic vapors over the boreal forest
13.00-13.15	Kanika Taneja	Impact of aerosols on the properties of low-level liquid clouds over the Southern Great Plains, USA
13.15-13.30	Henrik Hof	Aerosol size distribution comparison of volcanic ashes and Sahara dust and its spatial differences on La Palma Island
13.30-13.45	Gargi Sengupta	Acid dissociation in ECHAM HAMBOX
13.45-14.00	Magdalena Okuljar	Composition and formation of highly oxygenated organic molecules in Helsinki
14.00-14.15	Sabine Eckhardt	Revised Historical Black Carbon Emissions based on Atmospheric Modelling, Ice Core Records and an Inverse Algorithm