

# SUMMER SCHOOL ON ORGANIC AEROSOLS

Gothenburg – Kristineberg

June 22-28

<b>MONDAY</b>	<b>Title</b>	<b>Presenter</b>
08:30-09:00	Welcome and Administrative issues	<b>Mattias Hallquist*</b> and <b>Andre Prevot*</b>
9:00-10:00	<b>Overview on Organic Aerosols</b>	<b>Mattias Hallquist*</b>
10:00-10:30	<i>Coffee break</i>	
11:00-13:00	<b>Partitioning theory and smog chamber experiments</b>	<b>Neil Donahue*</b>
13:00-14:20	<i>Lunch</i>	
14:20-15:00	The use of the IFT chamber to determine carbonyl compounds from the oxidation of monoterpenes	<b>Ariane Kahnt</b> Disc.: Thomas Pugh
15:00-15:40	Impact of a diesel car on primary and secondary organic aerosols	<b>Roberto Chirico</b> Disc.: Alexandre Caseiro
15:40-16:20	Important aspects of the NO <sub>x</sub> dependence of SOA formation: Organic nitrates and oxidation via NO <sub>3</sub>	<b>Andrew Rollins</b> Disc.: Andrius Garbaras
16:20-16:40	<i>Coffee break</i>	
16:40-17:20	Design and initial results from a new multiphase atmospheric simulation chamber (CESAM)	<b>Wang Junnan</b> Disc: Inga Rimselyte
17:20-18:00	Investigation of primary and secondary aerosols from wood combustion with a high resolution time of flight aerosol mass spectrometer	<b>Heringa, Maarten</b> Disc.: Julia Burkart
18:00-18:40	Secondary Organic Aerosol Formation from Ozonolysis of β-pinene	<b>Eva Emanuelsson</b> Disc.: Nolwenn Perron
18:45	Light Dinner and Drinks at the University	

<b>TUESDAY</b>	<b>Title</b>	<b>Presenter</b>
08:30-10:00	<b>Off-line Chemical Analysis of Aerosols</b>	<b>Marianne Glasius*</b>
10:00-10:30	<i>Coffee Break</i>	
10:30-12:00	<b>On-Line Measurements of Aerosols</b>	<b>Peter De Carlo*</b>
12:00-12:40	Analytical technique for the identification of tracers for secondary organic material in atmospheric aerosols	<b>Nélida González</b> Disc.: Maarten Heringa
12:40-14:00	<i>Lunch</i>	
14:00-14:40	Construction and Characterisation of a Particle Magnifier	<b>Helene Holmgren</b> Disc.: Wu Zhijun
14:40-15:20	Analysis of Soot Produced on Combustion of Biomass	<b>Jacqueline Wilson</b> Disc.: Kent Salo
15:20-16:00	Source apportionment of particulate matter in urban aerosol	<b>Karanasiou Angeliki</b> Disc.: Helene Holmgren
16:00-16:20	<i>Coffee break</i>	
16:20-17:00	Online measurements of chemical composition and size distribution of submicron aerosol particles in east Baltic region	<b>Inga Rimselyte</b> Disc.: Mika Vestenius

17:00-17:40	Linear unmixing of reactive organic pollutants in the atmosphere	<b>Valentin Lanz</b> Disc.: Claire Lucas
17:40-18:20	<i>Working group* formation and discussion</i>	

<b>WEDNESDAY</b>	Title	Presenter
08:20-09:50	<b>Modelling of organic aerosols</b>	<b>David Simpson*</b>
09:50-10:20	<i>Coffee Break</i>	
10:20-11:00	Modelling the fate of biogenic emissions from tropical rainforest	<b>Thomas Pugh</b> Disc.: Nélida González
11:00-11:40	Meteorological variability, climate trends and emission source regions affecting air pollution in Europe	<b>Camilla Andersson</b> Disc.: Junnan Wang
11:40-12:20	Source apportionment of ambient aerosol applying PMF on AMS mobile and stationary data	<b>Claudia Mohr</b> Disc.: Noenne Prisle
12:20-13:00	Wood burning contribution to PM10 in three Austrian cities	<b>Alexandre Caseiro</b> Disc.: Soonsin Vacharaporn
13:00-14:20	<i>Lunch</i>	
14:20-15:00	Separation of OC and EC for 14C analyses of carbonaceous aerosols	<b>Nolwenn Perron</b> Disc.: Camilla Andersson
15:00-16:00	<b>SOA from biogenic precursors</b>	<b>Mattias Hallquist*</b>
16:00-17:20	<i>Coffee Break and Visit of Flow Tube</i>	
17:20-18:00	Chemical characterisation of urban particulate matter in the UK	<b>Mark Hammonds</b> Disc.: Erik Engström
18:00-18:40	$\delta^{13}\text{C}/^{12}\text{C}$ measurements of aerosol particles in Preila	<b>Andrius Garbaras</b> Disc.: Valentin Lanz
18:40-19:10	<i>First Discussions within the working groups</i>	

<b>THURSDAY</b>	Title	Presenter
08:00-10:00	<i>TRANSFER to Kristineberg</i>	
11:00-12:00	<b>Aerosol Field Measurements</b>	<b>André Prévôt*</b>
12:00-13:00	<i>Lunch</i>	
13:00-13:40	Effects of high RH on $\alpha$ -pinene SOA phase partitioning	<b>Noenne Prisle</b> Disc.: Esther Coz
13:40-14:20	CCN measurements at an urban location – concentrations and activation diameters	<b>Julia Burkart</b> Disc.: Viorela Ciobanu
14:20-15:00	Discontinuous hygroscopic growth of a mixed organic/inorganic aerosol particle levitated in an electrodynamic balance	<b>Soonsin Vacharaporn</b> Disc.: Inna Kuznietsova
15:00-15:20	<i>Coffee break</i>	
15:20-16:00	Volatility measurements of organic aerosols using a VTDMA system	<b>Kent Salo</b> Disc.: Claudia Mohr
16:00-16:40	The biogenic role in cloud formation and aerosol chemistry	<b>Sanna Ekström</b> Disc.: Mark Hammonds
16:40-17:20	The roles of sulfuric acid and organic	<b>Wu Zhijun</b>

	condensable vapors in the growth of newly formed particles in the rural environment	Disc.: Andrew Rollins
17:20-18:00	Light absorbing matter in air and in rain at the ABC-Maldives climate observatory	<b>Erik Engström</b> Disc.: Roberto Chirico
19:00	Dinner	

<b>FRIDAY</b>	Title	Presenter
08:30-09:10	Background concentrations of PAHs in precipitation and air in Finland	<b>Mika Vestenius</b> Disc.: Angeliki Karanasiou
09:10-09:50	The role of carbonaceous particle morphology in ambient aerosol characterization	<b>Esther Coz</b> Disc.: Sanna Ekström
09:50-10:10	<i>Coffee break</i>	
10:10-10:50	Laboratory research on aqueous reactions of isoprene with inorganic radicals	<b>Inna Kuznietsova</b> Disc: Jacqueline Wilson
10:50-11:30	Investigating the Oxidation of Organic Films on Cloud Droplets	<b>Claire Lucas</b> Disc.: Eva Emanuelsson
11:30-12:10	Liquid-liquid phase separation in mixed organic-inorganic aerosols exposed to hygroscopic cycles	<b>Viorela Ciobanu</b> Disc.: Ariane Kahnt
12:10-13:30	Lunch	
13:30-14:10	Gathering ideas of collaboration	All
14:10-15:30	Group work	All
15:30-19:00	<i>Activity/ Excursion / Free time (Could be shifted depending on weather)</i>	
19:00	Dinner	
20:10	<b>Best presentation award</b>	

<b>Saturday</b>	Title	Presenter
08:30-09:30	<i>Discussion on summer school. Feedback from the students.</i>	All
09:30-10:00	<b>Closing remarks</b>	<b>Andre Prevot, Mattias Hallquist</b>
10-10:20	Coffee Break	
10:20-12:15	Group work	
12:15-13:00	Lunch	
13:00	Bus: Kristineberg – Airports - Gothenburg	
10:25-12:14	Bus 1 to Gothenburg	
14:25-16:14	Bus 2 to Gothenburg	
16:25-18:54	Bus 3 to Gothenburg	