

# NOSA Symposium 2022 schedule

(version 14/03/2022, check updates from <https://www.nosa-aerosol.org/nosa-symposium-2022>)

All times are CET

CET	Monday 14th	Tuesday 15th	Wednesday 16th
11:00	Exhibitor booths and lunch cafeteria open in GatherTown	Exhibitor booths and lunch cafeteria open in GatherTown	Exhibitor booths and lunch cafeteria open in GatherTown
12:00	<b>NOSA President:</b> Welcome words	Aerosols in different environments (Chair: Riisa Makkonen)	NOSA ECS Aerosologist Award
12:05	<b>Wilhelm Malmberg:</b> Application of a cone calorimeter set-up for controlled emission studies of biomass pyrolysis and combustion		
12:10	<b>NOSA ECS Chair:</b> Introduction to ECS Board		
12:15	<b>Heikki Junninen:</b> COVID19 - possibility or distraction for aerosol scientists? (Chair: Riisa Makkonen)	<b>Yuanjuan Luo:</b> Oxidation product characterization from ozonolysis of the diterpene ent-kaurene	<b>Trude Storelvmo:</b> Aerosol Effective Radiative Forcing - AR6 updates and remaining knowledge gaps (Chair: Sara Marie Blichner)
12:20			
12:25			
12:30		<b>Xinyang Li:</b> parameterization of atmospheric, ultrafine aerosol formation rates in two contrasting environments: a boreal forest and a megacity	
12:35			
12:40			
12:45		<b>Martin Bødker Enghoff:</b> Sulphuric acid aerosols in low oxygen environments	
12:50			
12:55			
13:00	Break (Exhibitor booths open)	Break (Exhibitor booths open)	Break (Exhibitor booths open)
13:05			
13:10			
13:15	Clouds and aerosol-cloud interactions (Chair: Andreas Massling) Sponsor presentation: EXIS AB	Aerosol nucleation (Chair: Jonas Elm) Sponsor presentation: Combustion	Aerosol modeling (Chair: Marianne Tronstad Lund) Sponsor presentation: Airmodus
13:20			
13:25	<b>Markus Petters:</b> Experimental determination of the relationship between organic aerosol viscosity and deposition mode ice nucleation at upper free tropospheric conditions	<b>Jakub Kubecka:</b> Atmospheric cluster formation: speed-up by employing quantum-machine-learning methods	<b>Maher Sahyoun:</b> Introducing Primary Biological Aerosol Particles in GISS-E2.1 Earth system model
13:30			
13:35			
13:40	<b>Marje Prank:</b> Investigating the role of sea-spray originating giant cloud condensation nuclei in drizzling marine stratocumulus using a large eddy simulator	<b>Robin de Jonge:</b> Interactive formation and growth of secondary aerosol particles in the marine and boreal forest environment - does marine precursors initiate continental new particle formation?	<b>Ulas Im:</b> Present and future PM2.5-related premature mortality
13:45			
13:50			
13:55	<b>Tomi Raatikainen:</b> Cloud effects of marine ice-nucleating particles	<b>Valterri Tikkanen:</b> Homogeneous nucleation in the gas phase is driven by cool subcritical clusters	<b>Putian Zhou:</b> Simulated SOA over Sahara in Mid-Holocene with prescribed vegetation cover and BVOC emissions
14:00			
14:05			
14:10	<b>Angela Buchholz:</b> In- and out-of-cloud measurements at SMEAR IV: Pristine conditions vs an aged forest fire plume	<b>Tinja Otenius:</b> A flexible tool to incorporate aerosol formation rate predictions from molecular models in large-scale models	<b>Eemeli Holopainen:</b> Plant stress emissions reduce aerosol radiative forcing
14:15			
14:20			
14:25	Break (Exhibitor booths open)	Break (Exhibitor booths open)	Break (Exhibitor booths open)
14:30			
14:35			
14:40	In Zoom hall: Early Career Scientist session	In GatherTown: Coffee break: Early poster viewing Meet NOSA Boards Exhibitor booths Game tables open	Poster Session #1 [01] <b>Rima Saalbach:</b> New particle formation in the Eastern-Mediterranean [02] <b>Steven Celik:</b> Studies on the temperature dependent onset of sulfuric acid nucleation [03] <b>Pak Lun Fung:</b> Understanding the feature importance in air quality black-box models [04] <b>Humaira Ghayas:</b> Global photochemically active radiation and its relationship with global solar radiation in Delhi [05] <b>Roope Halonen:</b> Multicomponent clusters: Building a bridge between quantum chemistry and classical nucleation theory [06] <b>Noora Hyttinen:</b> Comparison of computational and experimental saturation vapor pressures of $\alpha$ -pinene + O3 oxidation products [07] <b>Adam Kristensson:</b> The aerosol chase [08] <b>Emil Mark Iversen:</b> A New Method for Assessing Particle Wall Loss in the AJRA simulation Chamber [09] <b>Daria Pashneva:</b> The anthropogenic black carbon emissions and its deposition on leaves and needles in the Baltic region
14:45			Poster Session #2 [10] <b>Julia Paurate:</b> Influence of urban submicron particles on atmospheric radiative balance during high pollution event [11] <b>Sarah Petters:</b> Constraints on the role of Laplace pressure in multiphase reactions on d viscosity of organic aerosols [12] <b>Mike Priestley:</b> Comparison of FIGAERO-ToF-CIMS derived volatility measurements of fresh and aged residential wood burning OVOCs [13] <b>Jida Pullinen:</b> PMF analysis of FIGAERO-CIMS data: effect of the air mass origin and local emissions on detailed SOA particle composition [14] <b>Prasenjit Seal:</b> Mechanistic Study of the oxidation of Naphthalene by OH radical: A computational perspective [15] <b>Jane Sknager:</b> Phase state transition of $\Delta^3$ -carene derived secondary organic aerosols [16] <b>Vello Tõli:</b> Natural experiments help to understand aerosol-cloud interactions [17] <b>Zhuyun Ye:</b> Three-dimensional variational data assimilation of particulate matters with the Danish Eulerian Hemispheric Model [18] <b>Iiona Ylivinkka:</b> Analysis of the effects of cloud types on aerosol-cloud-radiation interactions at SMEAR II
14:50			
14:55			
15:00			
15:05			
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15:20			
15:25	Break (Exhibitor booths open)		
15:30			
15:35			
15:40	<b>Pavla Dagevos Waldhauserova:</b> How does High Latitude Dust affect the air quality and climate in the Arctic and Antarctica? (Chair: Madeleine Petersson Sjögren)		
15:45			
15:50			
15:55			
16:00			
16:05			
16:10			
16:15		Break (Exhibitor booths open)	Break (Exhibitor booths open)
16:20			
16:25			
16:30		<b>Fabian Mahrt:</b> Phase behavior in organic aerosol mixtures is driven by difference in oxygen-to-carbon ratio of components. (Chair: Olga Garmash)	Atmospheric aerosols (Chair: Ulas Im) Sponsor presentation: TSI
16:35			<b>Andreas Massling:</b> Trends of particle number in segregated size fractions at Arctic continental and high Arctic sites
16:40	Break (Exhibitor booths open)		<b>Gerhard Steiner:</b> Continuous-particle-number-concentration-determination-of-ambient-air-in-measurement-networks
16:45			<b>Paul Glantz:</b> Unmasking the effects from aerosols on warming over Europe
16:50			
16:55	Aerosol technology and indoor aerosol (Chair: Peter Mohr) Sponsor presentation: ACOEM		
17:00			
17:05	<b>Daria Pashneva:</b> Impact of ambient submicron particulate pollution on air quality in mechanically ventilated office buildings.		
17:10			
17:15			
17:20	<b>Sara Thuresson:</b> SARS-CoV-2 in size-fractionated aerosols from hospital corridors and relations to the indoor environment.	Free program in GatherTown	
17:25			
17:30			
17:35	<b>Joonas Enroth:</b> Development and performance evaluation of a new compact condensation particle counter		End of conference
17:40			
17:45			
17:50	<b>Jonas Jakobsson:</b> Exploring machine learning as a tool to investigate the impact on Swedish air quality during the covid-19 global shutdown		
17:55			
18:00			

In GatherTown	In Zoom
Poster session	General session
Exhibitor booths	Oral session
	Keynote talk
	Tutorial

Sponsors



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