

11th International Aerosol Conference IAC 2022

4-9 September 2022



ATHENS
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Conference Program

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Sunday, September 4, 2022

	Trianti Hall
19:00 - 21:00	Icebreaker Cocktail

Monday, September 5, 2022

	Trianti Hall	Multipurpose Hall	MC3 Hall	MC2 Hall	Conference I Hall
8:30 - 9:00	Opening Ceremony				

9:00 - 10:30	Plenary Talk 1: Prof. Georgios A. Sotiriou				
10:30 - 11:00	Coffee Break 1				
11:00 - 12:30	<u>ATAS-1: Polar aerosols and clouds</u>	<u>AMT-1: Low cost sensors</u>	<u>ATAS-2: Source apportionment of urban aerosol</u>	<u>AH-1: Aerosol emissions and sources</u>	<u>AT-1: Synthesis, structuring and applications of functional nanoparticles I</u>
12:30 - 13:30	Lunch Break 1				
					<u>GAEF Board Meeting</u>
13:30 - 15:00	<u>ATAS-3: Aerosol-cloud interaction: Observations</u>	<u>AMT-2: Measurement Techniques for health relevant aerosols</u>	<u>ATAS-4: Characterization of non-exhaust aerosol</u>	<u>BAP-1: Smog chamber and flow tube simulations and experiments</u>	<u>AT-2: Synthesis, structuring and applications of functional nanoparticles II</u>
15:00 - 15:30	Coffee Break 2				
15:30 - 17:00	<u>ATAS-5: Aerosol-cloud interaction: Observations and modelling</u>	<u>SS-3: Advanced aerosol metrology for atmospheric science and air quality</u>	<u>ATAS-6: Secondary organic aerosols</u>	<u>BAP-2: Molecular-level studies of aerosol formation and gas-phase kinetics</u>	<u>AT-3: Transportation aerosol emissions and control technologies</u>

					<u>Keynote talk: Prof. Athanasios G. Konstandopoulos</u>
17:00 - 19:00	<u>Poster Session 1</u> <u>AT-P1: Functional nanoparticles - ATAS-P1: Aerosol chemistry - ATAS-P2: Source apportionment and air quality - AMT-P1: Instrumentation for aerosol characterization - AMT-P2: Measurement techniques - AH-P1: Health effects of aerosols - AH-P2: Bioaerosols - BAP-P1: Heat and mass transfer: Experiments and simulations - BAP-P2: Quantum chemistry of aerosol formation - SS2-P1: Special Session-2: COVID-19, aerosols and ventilation - Late Posters-P1: Late Posters 1</u>				
19:00 - 20:00					<u>Elsevier Editorial Board Meeting</u>

Tuesday, September 6, 2022

	Trianti Hall	Multipurpose Hall	MC3 Hall	MC2 Hall	Conference I Hall
8:45 - 10:00	<u>Plenary Talk 2: Prof. Chan K. Chan</u>				
10:00 - 10:30	<u>Awards Ceremony 1</u> <u>Nikolai Albertovich Fuchs Memorial Award (IARA) & Smoluchowski Award (GAeF)</u>				

10:30 - 11:00	Coffee Break 3				
11:00 - 12:30	<u>ATAS-7: Chemistry in a multiphase aerosol system</u>	<u>SS-1: Quantification of health risk from airborne particulate pollutants</u>	<u>ATAS-8: Radiative impacts of aerosols</u>	<u>AH-2: Novel metrics and tools</u>	<u>ATAS-9: Transport of aerosols: Modelling and observations</u>
12:30 - 13:30	Lunch Break 2				
					<u>IARA Board Meeting</u>
13:30 - 15:00	<u>ATAS-10: Chemical porfiling of organic aerosols at the molecular level</u>	<u>AMT-3: Particle detection by optical and condensational means</u>	<u>ATAS-11: Chemical characterization of atmospheric carbonaceous aerosols</u>	<u>BAP-3: Modelling aerosol processes I</u>	<u>AT-4: Combustion generated aerosols, spark ablation, and electrostatic properties</u>
15:00 - 15:30	Coffee Break 4				
15:30 - 17:00	<u>ATAS-12: Spatio-temporal variabilityh of aerosol optical properties</u>	<u>AMT-4: Measurement techniques for ambient air</u> <u>Keynote talk: Prof. Paolo Laj</u>	<u>ATAS-13: Chemical chracterization and modelling of carbonaceous aerosols</u>	<u>BAP-4: Modelling aerosol processes II</u>	<u>AT-5: Nanoparticle surface modification, deposition and thin film formation</u>

17:00 - 19:00	<p style="text-align: center;"><u>Poster Session 2</u></p> <p><u>AT-P2: Electrical effects - AT-P3: High temperature aerosols and filtration - AT-P4: Aerosol emissions and control technologies - ATAS-P3: Aerosols, clouds, and new particle formation - ATAS-P4: Atmospheric aerosol transport and modelling - ATAS-P5: Atmospheric aerosol properties and characterization - AMT-P3: Novel and low cost instrumentation - AH-P3: Exposure: Sources and health studies - BAP-P3: Modelling of internal and external aerosol processes - BAP-P4: Physical properties of aerosol particles - SS1-P1: Special Session-1: Quantification of health risk from airborne particulate matter - SS3-P1: Special Session-3: Advanced aerosol metrology for atmospheric science and air quality - SS4-P1: Special Session-4: Aerosols in the agriculture and livestock sectors - SS5-P1: Special Session-5: Oxidative potential of aerosol particles and health risks - Late Posters-P1: Late Posters 2</u></p>				
19:00 - 20:00	<u>WG2 (ATAS) Meeting</u>	<u>WG3 (AMT) Meeting</u>	<u>WG4 (AH) Meeting</u>	<u>WG1 (AT) Meeting</u>	<u>WG5 (BAP) Meeting</u>
19:00 - 21:00	Young Investigators Network (YIN) Event				

Wednesday, September 7, 2022

	Trianti Hall	Multipurpose Hall	MC3 Hall	MC2 Hall	Conference I Hall
8:45 - 10:00	<u>Plenary Talk 3: Prof. Lidia Bourouiba</u>				
10:00 - 10:30	<u>Awards Ceremony 2 International Aerosol Fellow</u>				

	<u>Award (IARA) & Schmauss Award (GAeF)</u>				
10:30 - 11:00	Coffee Break 5				
11:00 - 12:30	<u>ATAS-14: Source apportionment of carbonaceous aerosol</u>	<u>AMT-5: Comparison of different measurement techniques</u>		<u>AH-3: Occupational exposures</u>	<u>AT-6: Aerosol Measurement Techniques, Filtration and Industrial Aerosols</u>
11:00 - 12:40			<u>SS-2-A: COVID-19, aerosols, and ventilation I</u> Keynote talk: Dr. Yannis Drossinos		
12:30 - 13:30	Lunch Break 3				
					<u>EAA Board Meeting</u>
13:30 - 15:00	<u>ATAS-15: Source apportionment at high resolution</u>	<u>AMT-6: Electrical and mechanical sizing techniques</u>	<u>SS-2-B: COVID-19, aerosols, and ventilation II</u>		<u>AT-7: Synthesis, structuring and applications of functional nanoparticles III</u>

13:30 - 15:10				ATAS-16: Long-term trends and long-range transport of aerosols Keynote talk: Dr. Marco Pandolfi	
15:00 - 17:00					GAEF General Assembly

Thursday, September 8, 2022

	Trianti Hall	Multipurpose Hall	MC3 Hall	MC2 Hall	Conference I Hall
8:45 - 10:00	Plenary Talk 4: Prof. Annette Peters				
10:00 - 10:30	Awards Ceremony 3 Fissan-Pui-TSI Award (IARA) & Aerosol Science and Technology Best Publication Award				
10:30 - 11:00	Coffee Break 6				

11:00 - 12:30	<u>ATAS-17: Source apportionment in different regions I</u>	<u>AMT-7: Novel Measurement Techniques I</u>	<u>ATAS-18: Atmospheric new particle formation: Field observations and lab studies</u>	<u>AH-4: Organic aerosols: from emissions to toxicity assessment</u>	<u>SS-4: Aerosols in agriculture and livestock sectors</u>
12:30 - 13:30	Lunch Break 4				
					<u>WG lead/co-leads Meeting</u>
13:30 - 15:00	<u>ATAS-19: Source apportionment in different regions II</u>	<u>AMT-8: Novel Measurement Techniques II</u>	<u>ATAS-20: New particle formation and atmospheric ice nucleation</u>	<u>AH-5: Health impacts and impact assessment of exposure to airborne particles</u>	<u>BAP-5: Aerosol transport properties and fluid dynamics</u>
15:00 - 15:30	Coffee Break 7				
15:30 - 17:00	<u>ATAS-21: Source apportionment of organic aerosol</u>	<u>AMT-9: Novel Measurement Techniques III</u>	<u>ATAS-22: Brown carbon optical properties and radiative effects</u>	<u>AH-6: Aerosol inhalation and deposition studies</u>	
15:30 - 17:10					<u>BAP-6: Physical properties of aerosols</u> <u>Keynote talk: Prof. Eirini Goudeli</u>

17:00 - 19:00	Virtual Poster Session
20:00 - 0:00	Conference Dinner

Friday, September 9, 2022

	Trianti Hall	Multipurpose Hall	MC3 Hall	MC2 Hall	Conference I Hall
8:45 - 10:00	<u>Plenary Talk 5: Prof. Jason Olfert</u>				
10:00 - 10:30	<u>Awards Ceremony 4</u> <u>GAeF PhD Award, Early Career Poster Award & Art and Science Award</u>				
10:30 - 11:30	Coffee Break 8				
10:45 - 12:40		<u>SS-5-A: Oxidative potential of aerosols particles and health risks I</u>			

		<u>Keynote talk: Prof. Athanasios Nenes</u>			
11:00 - 12:30	<u>ATAS-23: Physico-chemical properties of ambient aerosols</u>		<u>ATAS-24: Connecting aerosol physico-chemical and optical properties I</u>	<u>AH-7: Bioaerosol: monitoring, emissions and exposure</u>	<u>ATAS-25: Mechanistic understanding of SOA formation and transformation processes</u>
12:30 - 13:30	Lunch Break 5				
13:30 - 15:00	<u>ATAS-26: Physico-chemical properties of laboratory aerosols</u>	<u>SS-5-B: Oxidative potential of aerosols particles and health risks II</u>	<u>ATAS-27: Connecting aerosol physico-chemical and optical properties II</u>		<u>AMT-10: Measurement techniques for carbonaceous particle</u>
13:30 - 15:10				<u>AH-8: Human exposure in urban environments</u> <u>Prof. Lidia Morawska</u>	
15:00 - 15:30	<u>Closing Ceremony</u>				

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