

# Timetable

PM: Aerosol properties and measurements  
 HE: Anthropogenic aerosols and their effects on health  
 AC: Aerosol-cloud-radiation interaction  
 RS: Remote sensing of aerosols and clouds  
 CL: Aerosols perturbations on climate and modeling of their effects

## Sunday, 21 of July

15:00–21:00	<b>Registration</b>
19:00–21:00	<b>Icebreaker reception</b>

## Monday, 22 of July

08:00–09:00		<b>Registration</b>
09:00–09:10		<b>Opening ceremony</b>
09:10–09:25		<b>Marcos Martins</b> USP, Brazil The Physics Institute of the University of Sao Paulo
09:25–09:40		<b>Sylvio Canuto</b> USP, Brazil The University of Sao Paulo
09:40–10:00		<b>Coffee break</b>
10:00–11:00	CL	<b>Paulo Artaxo</b> USP, Brazil Impacts of Atmospheric Aerosols on climate and ecosystems
11:00–11:30		<b>Carlos Brito</b> FAPESP, Brazil Fapesp and the funding of Science in the State of Sao Paulo
11:30–13:00		<b>Lunch</b>
13:00–14:20	PM	<b>Alfred Wiedensohler</b> Tropos, Germany Mechanical aerosol properties
14:20–14:30		<b>Break</b>
14:30–15:50	RS	<b>Vanderlei Martins</b> UMBC, USA Measuring radiation and designing passive and active instruments - Part 1
15:50–16:30		<b>Coffee break</b>
16:30–17:50	CL	<b>Hans-Christen Hansson</b> U. Stockholm, Sweden Natural aerosols, their sources and sinks

## Tuesday, 23 of July

08:30–09:50	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Particle diameters and Size distribution of aerosols
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Basic principles of Condensation Particle Counters
11:30–14:00	<b>Brunch + POSTER SESSION</b>		
14:00–15:20	RS	<b>Lorraine Remer</b> JCET, USA	Satellite images and products for characterizing aerosols and clouds
15:20–18:00	<b>Science in Sao Paulo with Lab Visit 1</b>		

## Wednesday, 24 of July

08:30–09:50	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Electrical mobility and Differential Mobility Analyser
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Aerodynamic and Mobility Particle Size Spectrometers
11:30–13:00	<b>Lunch</b>		
13:00–14:20	AC	<b>Ilan Koren</b> Weizmann, Israel	Introduction to cloud physics
14:20–14:30	<b>Break</b>		
14:30–15:50	RS	<b>Vanderlei Martins</b> UMBC, USA	Measuring radiation and designing passive and active instruments - Part 2
15:50–16:30	<b>Coffee break</b>		
16:30–17:50	CL	<b>Hans-Christen Hansson</b> U. Stockholm, Sweden	Nucleation and transformations of aerosol particles

## Thursday, 25 of July

08:30–09:50	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Building an aerosol measurement station: Impactor, Filter, Inlet, Sampling and Dryer
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Measuring light scattering by aerosol particles, nephelometers
11:30–14:00	<b>Brunch + POSTER SESSION</b>		
14:00–15:20	RS	<b>Lorraine Remer</b> JCET, USA	Remote sensing of aerosol and cloud properties from space
15:20–18:00	<b>Science in Sao Paulo with Lab Visit 2</b>		

## Friday, 26 of July

08:30–09:50	PM	<b>Alfred Wiedensohler</b> Tropos, Germany	Measuring light absorption by aerosol particles, absorption photometers
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	CL	<b>Paulo Artaxo</b> USP, Brazil	Aerosols in Amazonia, from background conditions to urban impacts
11:30–13:00	<b>Lunch</b>		
13:00–14:20	CL	<b>Hans-Christen Hansson</b> U. Stockholm, Sweden	Contrasting aerosol properties and climatic effects: Tropical and Boreal forests
14:20–14:30	<b>Break</b>		
14:30–15:50	AC	<b>Ilan Koren</b> Weizmann, Israel	Cloud aerosol interactions
15:50–16:30	<b>Coffee break</b>		
16:30–17:50	AC	<b>Luiz Machado</b> INPE, Brazil	Tropical clouds Life cycles, organization and cloud processes: Potential Impact of Aerosol

## Saturday, 27 of July

08:00–17:00	RS	<b>Vanderlei Martins</b> UMBC, USA	Practical activities with remote sensing
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## Sunday, 28 of July

08:00–18:00	<b>Free day</b>		
19:00–22:00	<b>Dancing party</b>		

## Monday, 29 of July

08:30–09:50	HE	<b>Paulo Saldiva</b> USP, Brazil	Combining greenhouse gases emission mitigation and health co-benefits due to reduction of local air pollutants: a global perspective
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	HE	<b>Fatima Andrade</b> USP, Brazil	Receptor models: the quantification of air pollution sources from in situ measurements
11:30–13:00	<b>Lunch</b>		
13:00–14:20	HE	<b>Paulo Saldiva</b> USP, Brazil	Biomonitoring the effects of climate and air pollution in the urban scenario
14:20–14:30	<b>Break</b>		
14:30–15:50	HE	<b>Fatima Andrade</b> USP, Brazil	Physical and chemical properties of atmospheric pollution in megacities
15:50–16:10	<b>Coffee break</b>		
16:10–17:50	HE	<b>Paulo Artaxo</b> USP, Brazil	Round-table: Pollution, Health and Policy making

## Tuesday, 30 of July

08:30–09:50	CL	<b>Maria Kanakidou</b> U. Crete, Greece	Global and regional aerosol modeling
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	AC	<b>Luiz Machado</b> INPE, Brazil	From Cloud to Thunderstorm and the aerosol effects
11:30–13:00	<b>Lunch</b>		
13:00–14:20	RS	<b>Lorraine Remer</b> JCET, USA	Retrieval methods for quantitative remote sensing measurements of aerosols and clouds - Part 1
14:20–14:30	<b>Break</b>		
14:30–15:50	RS	<b>Lorraine Remer</b> JCET, USA	Retrieval methods for quantitative remote sensing measurements of aerosols and clouds - Part 2
15:50–16:30	<b>Coffee break</b>		
16:30–17:50	RS	<b>Vanderlei Martins</b> UMBC, USA	Analyzing Remote Sensing Measurements

Wednesday, 31 of July

08:30–09:50	PM	<b>Helmuth Horvath</b> U. Vienna, Austria	The mechanisms of aerosols and radiation interactions
09:50–10:10	Coffee break		
10:10–11:30	RS	<b>Eduardo Landulfo</b> IPEN, Brazil	Laser systems as remote sensors
11:30–14:00	Brunch + POSTER SESSION		
14:00–15:20	AC	<b>Ilan Koren</b> Weizmann, Israel	Invigoration or suppression - coupling between microphysics and dynamics
15:20–18:00	Science in Sao Paulo with Lab Visit 3		

Thursday, 01 of August

08:30–09:50	PM	<b>Helmuth Horvath</b> U. Vienna, Austria	Radiative forcing by aerosols
09:50–10:10	Coffee break		
10:10–11:30	AC	<b>Ilan Koren</b> Weizmann, Israel	Radiative effects of aerosols on clouds
11:30–13:00	Lunch		
13:00–14:20	CL	<b>Maria Kanakidou</b> U. Crete, Greece	Organics in the atmosphere from air pollution to biogeochemical cycles and climate
14:20–14:30	Break		
14:30–15:50	CL	<b>Paulo Artaxo</b> USP, Brazil	Secondary aerosol production: historical perspective and recent advances
15:50–16:30	Coffee break		
16:30–17:50	RS	<b>Vanderlei Martins</b> UMBC, USA	Practical activities POSTER session
19:30–22:30	Farewell dinner		

Friday, 02 of August

08:30–09:50	PM	<b>Helmuth Horvath</b> U. Vienna, Austria	Black Carbon aerosols as a climate change driver
09:50–10:10	<b>Coffee break</b>		
10:10–11:30	RS	<b>Eduardo Landulfo</b> IPEN, Brazil	Advanced systems based on inelastic scattering and differential absorption
11:30–13:00	<b>Lunch</b>		
13:00–14:20	CL	<b>Maria Kanakidou</b> U. Crete, Greece	Aerosols carriers of nutrients to the ecosystems and the role of Atmospheric Chemistry
14:20–14:30	<b>Break</b>		
14:30–15:50	RS	<b>Eduardo Landulfo</b> IPEN, Brazil	Analysis and interpretation of lidar return signals
15:50–16:30	<b>Coffee break</b>		
16:30–17:50	<b>Evaluation and closing ceremony</b>		

Saturday, 03 of August

00:00–23:59	<b>Hotel checkout and Airport transfer</b>		
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