

Chemical and Mathematical Aspects of Environmental (atmosphere) Monitoring
(Final Program)

Sunday, September 11

Time	Activity
<i>Plenary Session 1 Chair: Bezhan Chankvetadze</i>	
09.00-09.30	Registration
09:30-10:00	Opening speeches
10:00-11:00	Andreas Wahner <ul style="list-style-type: none"> • Atmospheric chemistry from gas phase to aerosol (Part 1)
11:00-12:00	Elizabeth Dinsdale <ul style="list-style-type: none"> • Using microbial metabolism to investigate environmental conditions
12:00-12:30	Coffee-break
12:30-13:30	Ramaz Botchorishvili <ul style="list-style-type: none"> • Numerical methods for forward and inverse modeling of atmosphere (Part 1)
13:30-14:30	Lunch
<i>Plenary Session 2 Chair: Andreas Wahner</i>	
14:30-15:30	Andreas Hofzumahaus <ul style="list-style-type: none"> • Radicals and photochemistry in the atmosphere
15:30-16:30	Hendrik Elbern <ul style="list-style-type: none"> • Regional atmospheric forecast model development using inverse modelling and data assimilation (Part 1)
16:30-17:00	Coffee-break
17:00-18:00	Bezhan Chankvetadze <ul style="list-style-type: none"> • Miniaturized instrumental methods for chemical analysis of atmosphere

Monday, September 12

Time	Activity
<i>Plenary Session 3 Chairs: Hendrik Elbern, Ramaz Botchorishvili</i>	
09:00-11:00	Astrid Kiendler-Scharr <ul style="list-style-type: none"> • Formation and composition of Aerosol in the atmosphere
11:00-11:30	Coffee-break
11:30-13:00	Andreas Wahner <ul style="list-style-type: none"> • Atmospheric chemistry from gas phase to aerosol (Part 2)
13:00-14:00	Lunch
14:00-15:00	Ramaz Botchorishvili

	<ul style="list-style-type: none"> Numerical methods for forward and inverse modeling of atmosphere (Part 2)
15:00 -16:00	Hendrik Elbern <ul style="list-style-type: none"> Regional atmospheric forecast model development using inverse modelling and data assimilation (Part 2)
16:00-16:30	Coffee-break
16:30-18:00	Seminar

Tuesday, September 13

Time	Activity
<i>Plenary Session 4 Chair: Astrid Kiendler-Scharr</i>	
09:00-10:30	Lamzira Lagidze <ul style="list-style-type: none"> Ecology of atmosphere
10:30-12:00	George Gaprindashvili <ul style="list-style-type: none"> Geographic information system and environmental protection
12:00-12:30	Coffee-break
12:30-13:30	Ketevan Kasradze <ul style="list-style-type: none"> Regional air quality modeling and assimilation with EURAD-IM for the EU Copernicus service.
13:30-14:30	Lunch
14:30-16:30	Seminar
16:30-17:00	Coffee-break
17:00-18:00	Seminar

Wednesday, September 14

Time	Activity
<i>Plenary Session 4 Chair: William Tong</i>	
09:00-10:30	Robert Wegener <ul style="list-style-type: none"> Measurement of atmospheric trace organic species by gas chromatography and applying basic atmospheric reaction schemes to observations
10:30-12:00	Giorgi Jibuti <ul style="list-style-type: none"> Application of mass-spectrometric methods in atmospheric Analysis
12:00-12:30	Coffee-break
12:30-13:30	Tamar Janelidze <ul style="list-style-type: none"> Modeling winds and their corrections by observations
13:30-14:30	Lunch
14:30-16:30	Seminar

16:30-17:00	Coffee-break
17:00-18:00	Seminar
19:00-21:00	School Banquet

Thursday, September 15

Time	Activity
<i>Plenary Session 5 Chair: Ramaz Botchorishvili</i>	
09:00-10:30	William Tong <ul style="list-style-type: none"> • Sensitive Portable Microfluidics and Laser-Based Detectors for Environmental Monitoring
10:30-11:00	Coffee-break
11:00-12:30	Bezhan Chankvetadze <ul style="list-style-type: none"> • My personal entrepreneurial adventure: A long way of development, commercialization and application of a new kind of polysaccharide-based chiral selectors for liquid-phase separation of enantiomers
12:30-13:30	Lunch
13:30-15:30	Seminar
<i>Plenary Session 6 Chair: Bezhan Chankvetadze</i>	
15:30-16:30	Avtandil Turdziladze <ul style="list-style-type: none"> • Organic nitrates in secondary organic aerosols
16:30-17:00	Presentations by young scientists
17:00-17:30	Coffee-break
17:30-18:00	Summarizing the school, discussion, future plans and closing