Thursday 10 July

8:00-10:00		Plenary Oral Session 9: POLLUTION AND CLOUDS
		Chairperson: TBD
8:00-8:15	9.1	Invited: Jen-Ping Chen, Shaw-Cheng Liu, Chien-Jung Hsu, Anupam Hazra, Pei-Yun
		Rain Intensity Spectral Shift: An Aerosol Effect?
8:15-8:30	9.2	Chidong Zhang, Jingfeng Huang, Joseph Prospero
		Observational evidence on climatic effects of aerosol on tropical rainfall
8:30-8:45	9.3	Darrel Baumgardner, R Subramanian, Greg Kok, Cythia Twohy
		Evidence for Ice Crystal Scavenging of Light Absorbing Carbon (LAC) Particles
8:45-9:00	9.4	Annica Ekman, Radovan Krejci, Anders Engström, Johan Ström
		Aerosol-cloud interactions in deep convective clouds over the Amazon Basin
9:00-9:15	9.5	Thomas Choularton, Keith Bower, Martin Gallagher, Sami Romakkaniemi, Jonathan Crosier, Hugh Coe, David Topping
		Influence of urban plumes on microphysics of precipitating stratocumulus
9:15-9:30	9.6	Paul Connolly, Min Zhu, Grant Allen, Peter May, Geraint Vaughan
		A study into the effects of aerosols on intense Hector thunderstorms in 2005/2006
9:30-9:45	9.7	Istvan Geresdi, Roy M. Rasmussen, Kyoko Ikeda, Greg Thompson
		A Case Study Analysis of the Impact of Aerosol Particles on Orographic Snowpack using a Detailed Microphysical Model
9:45-10:00	9.8	Zev Levin, William R. Cotton
		Summary of the WMO/IUGG assessment on the effects of aerosol pollution on precipitation.

10:00-10:30

Coffee Break

10:30-12:15		Plenary Oral Session 9: POLLUTION AND CLOUDS (continued)
		Chairperson: TBD
10:30-10:45	9.9	Wanmin Gong, W R. Leaitch, J W. Strapp, Anne Marie Macdonald, Katherine Hayden, Desiree Toom-Sauntry, Kurt Anlauf
		An aerosol-droplet closure study based on recent aircraft measurements
10:45-11:00	9.10	Carlos A. Morales, Rosmeri P. da Rocha
		Does the pollution affect the development of the thunderstorms over the city of São Paulo, Brazil?
11:00-11:15	9.11	Jeffrey L. Stith, W. A. Cooper, David C. Rogers, Paul DeMott, Teresa Campos, V Ramanathan, Bhupesh Adhikary
		Interactions of Asian Emissions with Storms in the Pacific Ocean: Early results from the Pacific Dust Experiment (PACDEX).
11:15-11:30	9.12	Delphine Leroy, Wolfram Wobrock, Andrea I. Flossmann
		The role of boundary layer aerosol particles for the development of deep convective clouds: a high-resolution 3D model with detailed (bin) microphysics applied to CRYSTAL-FACE
11:30-11:45	9.13	Amit Teller, Zev Levin
		On the relative effects of modifying aerosol loadings and thermodynamic conditions to precipitation from mixed-phase convective clouds
11:45-12:00	9.14	Alexander Khain, Naftali Cohen, Andrei Pokrovsky
		Mysterious small aerosols or why lightning may take place in the eyewall of hurricanes
12:00-12:15	9.15	Andreas Mühlbauer, Peter Spichtinger, Ulrike Lohmann
		Interaction of microphysical and dynamical timescales in orographic precipitation

12:15-13:15		Buffet Lunch
13:15-14:45		Poster Session 9: POLLUTION AND CLOUDS
		Chairperson: TBD
	P9.1	Akihiro Hashimoto, Teruyuki Kato, Syugo Hayashi, Masataka Murakami
	D0 0	Cloud seeding experiment with three-dimensional cloud resolving model for winter orographic cloud in Japan
	P9.2	Alexander Knain, Daniel Kosenteid, Anderi Pokrovsky
	DO 2	Alexander Khain Heike Nemed Klaus Bahang
	P9.5	Advanuer Knam, neike Nopper, Knaus beneng
	DO 4	Alexander Khain Heike Nonnel Klaus Behang
	P9.4	Sensitivity of rain and ice precinitation to carocole: comparison of spectral and two moment bulk microphysical schemes
	P0 5	Ana I Calva Francisco I Olmo Lucas Alados-Arbaledas Amaya Castro María Fernández-Raga Roberto Fraile
	19.5	Winter precipitation chemistry in the background EMEP station in Viznar
	P9 6	Andrew J. Brik. Steven Neshvba. Thomas Grenfell
	19.0	Investigating Scot in Snow Using Scanning Electron Microscony
	P9.7	Anupam Hazra, J. P. Chen
		Importance of biological aerosols on cloud formation and precipitation: A modeling study
	P9.8	Beata Kucienska, Fernando García-García
		Evaluation of the influence of pollution on the initiation and development of warm rain processes in Mexico City
	P9.9	Beáta Takács, István Geresdi
		Wash out of the aerosol particles during the precipitation formation in stratocumulus clouds
	P9.10	Binod Pokharel, Jefferson R. Snider, David Leon
		Trajectories and Microphysics within Wintertime Orographic Clouds: Implications for the Aerosol Size Distribution at Diameters Smaller than 0.02 um
	P9.11	Catherine L. Muller, Chris Kidd An assessment of cloud-pollution-precipitation interactions and variations over an urban area using vertically-pointing micro-rain radars, satellite remote sensing and chemical analyses
	P9.12	Chunsheng Zhao, Qiang Zhang, Zhaoze Deng
		Study of aerosol and cloud interactions over North Eastern China
	P9.13	Constantin Andronache, Vaughan Phillips
		Robustness analysis of atmospheric aerosol removal by precipitation
	P9.14	Corinna Hoose, Ulrike Lohmann
		Global Simulations of Aerosol Processing in Clouds
	P9.15	D. Allen Chu, Chung-Lin Shie, Gao Chen, HC. E. Chen, Bruce Anderson
		Study of Dust Effects on Clouds and Precipitation During NAMMA
	P9.16	Daniel Rosenfeld
		Aircraft measurements of the impacts of pollution aerosols on clouds and precipitation over the Sierra Nevada
	P9.17	Diana Pozo, Graciela B. Raga, Darrel Baumgardner
		The role of the inflow of anthropogenic aerosols on precipitation in the tropical East Pacific
	P9.18	Elias M. Zubler, Andreas Mühlbauer, Ulrike Lohmann

A statistical evaluation of the aerosol effect on orographic precipitation

- P9.19 Elisabeth Alonso-Blanco, Miguel González-Colino, Ana I. Calvo, María Fernández-Raga, Amaya Castro, Roberto Fraile Aerosol size distribution in precipitation events in León, Spain
- P9.20 Gregory Falkovich, Stanislav Derevyanko

Modelling evolution of ship tracks and non-uniformly seeded clouds

P9.21 Guo Yu, Guoguang Zheng

A possible effect of human activities of precipitation change over eastern central China

P9.22 Heather Y. Glickman

Impacts of aerosols on UHI and hydrological variables

P9.23 Iveta Steinberga

Preliminary assessment of cloud-aerosol interaction and related microclimatological studies in urban environment

P9.24 Jean-Pierre Blanchet, Patrick Grenier, Rodrigo Munoz-Alpizar, Tarek Ayash, Greame Stephens, Jonathan Jiang, Eric Girard On the Role of Acidic Aerosols in the Formation of Thin Ice Clouds over the Arctic during Winter

P9.25 Jennifer D. Small, Patrick Y. Chuang, Graham Geingold, Hongli Jiang

Does Aerosol Concentration Affect Whether Mixing Occurs Inhomogeneously or Homogeneously in Warm Cumulus?

P9.26 Jian Z. Ma, Wei Wang, Yue Chen, Hong J. Liu, Peng Yan

Impact of Air Pollution on Aerosols and Cloud Microphysics in North China: A Field Experiment Study

P9.27 Jing Duan, Jie T. Mao

Research on influence of aerosol on region precipitation in north china

P9.28 Jordi Vila-Guerau de Arellano, Kees van den Dries

Ozone vertical and diurnal variability influenced by shallow cumulus: large-eddy simulation study

P9.29 Jorge A. Martins, Leila Martins, Edmilson Freitas, C Mazzoli da Rocha, Ricardo Hallak, Fabio Luiz Gonçalves, Maria Silva Dias

The sensitivity of local and synoptic scale precipitation systems to the cloud condensation nuclei concentration: A numerical modeling evaluation

P9.30 Junhua Zhang, Wanmin Gong, Richard W. Leaitch, Anne-Marie Macdonald

Impact of meteorological model in predicting cloud microphysics on sulphate production simulated in a Canadian air quality model

P9.31 Naftali Cohen, Alexander Khain

Effects of aerosols on lightning and intensity of hurricanes

P9.32 Niku J. Kivekäs, Veli-Matti Kerminen, Tatu Anttila, Hannele Korhonen, Heikki Lihavainen, Mika Komppula, Markku Kulmala

Parameterization of cloud droplet activation using a simplified treatment of the aerosol number size distribution

P9.33 Orit Altaratz, Ilan Koren, Tamir Reisin

The effects of pollution on condensation and evaporation processes in warm convective clouds of different sizes

P9.34 Paul R. Field, Andrew Gettelman

Simulated anthropogenic effects on midlatitude cyclones.

P9.35 Philipp Reutter, Jörg Trentmann, Martin Simmel, Heini Wernli, Meinrat Andreae, Ulrich Pöschl

Numerical simulations of microphysical processes in pyro-convective clouds: activation of aerosol particles as cloud condensation nuclei

P9.36 Rachel I. Albrecth, Carlos A. Morales

Effects of the biomass burning in the thunderstorm development: An analysis in the Amazon Basin

P9.37 Rebekka Posselt, Ulrike Lohmann

Influence of Giant CCN on warm rain processes in the ECHAM5 GCM

P9.38 Rumjana P. Mitzeva, Boryana D. Tsenova, Angelina D. Todorova, John Latham

Comparative modeling study of the impact of aerosols and climate changes on microphysics and dynamics of mixed-phase convective clouds

P9.39 Sarah A. Tessendorf, Graham Feingold

Aerosol effects on precipitation pathways in populations of simulated deep convective clouds

P9.40 Sarah A. Tessendorf, Roelof Bruintjes, Dan Breed, Jim Wilson, Rita Roberts, Ed Brandes, Peter May

Preliminary observations of cloud and precipitation characteristics in the Brisbane region

P9.41 Tianle Yuan, Zhanqing Li

Deep convective cloud properties and Aerosol influences as observed by A-Train Satellites

P9.42 Pierre Tulet, Suzanne Crumeyrolle, Kathleen Crahan, Laurent Gomes

Mixing of dust aerosols into mesoscale convective system. An examination of the relative importance of downdraft generation and removal scavenging processes observed during the AMMA field campaign

P9.43 Verena Grützun, Oswald Knoth, Martin Simmel

Influence of aerosol particles on convective clouds simulated by COSMO-SPECS

P9.44 Wei-Kuo Tao, Xiaowen Li, Alexander Khain, Toshihisa Matsui, Stephen Lang, Joanne Simpson

The role of atmospheric aerosol concentration on deep convective precipitation: Cloud-resolving model simulations

P9.45 Rocío García, Maria C. Torres, Hugo Padilla, Raúl Belmont, Armando Báez

Measurement of trace metals and inorganic ions in rain from Rancho Viejo a rural wooded area and from southwest site of Mexico City.

P9.46 Wen Fang, Guoguang Zheng

Aerosol distributions in the atmospheric boundary layer of the Beijing and its effect on cloud

P9.47 William Y. Cheng, Gustavo G. Carrio, William R. Cotton

Influence of cloud condensation nuclei and giant condensation nuclei on the development of precipitating trade wind cumuli in a large eddy simulation

P9.48 Xiaowen Li, Wei-Kuo Tao, Alexander Khain

Convection Enhancement by Increasing CCN in the Tropics: A Case Study

P9.49 Xueliang Guo, Danhong Fu, Guoguang Zheng, Qiang Zhang, Dianguo Zhang

Aerosol-cloud interaction derived from aircraft observations over the urban region of northern China

P9.50 Yan Yin

A Numerical Study of the Heating Effect of Transported Dust Layers on Cloud and Precipitation

P9.51 Yu-Jun Qiu, Sheng-Jie Niu, Xiao-Li Liu

Sensitivity of Precipitation Formation to Dust from the Helan Mountain Area in Northwest China

P952 Santiago Gassó, Nicholas Meskhidze

Observations of the change in cloud microphysical properties of clouds downwind of volcanoes

13:15-14:45		Poster Session 10: RADIATIVE PROPERTIES OF CLOUDS
		Chairperson: TBD
	P10.1	Anna K. Jagodnicka, Tadeusz Stacewicz, Michał A. Posyniak, Sandra Blindheim, Michael Gaussa
		Lidar investigation of aerosol particle size distribution in the vicinity of clouds
	P10.2	Brian A. Tinsley
		The Role of the Global Electric Circuit in Forcing of Clouds and Climate
	P10.3	Greg M. McFarquhar, Hailong Wang
		The impact of varying meteorological conditions on aerosol indirect effects over the Indian Ocean
	P10.4	Jean-Pierre Chaboureau, Jean-Pierre Pinty
		Use of satellite observation for constraining cloud parameterizations
	P10.5	Jon-Egill Kristjansson, Trude Storelvmo
		Indirect Effect of Clouds on Surface Radiation

P10.6 Josep Calbó Angrill, Jeff M. Sabburg, Jordi Badosa Franch, Josep-Abel González Gutiérrez

Cloud effects on UV radiation at two opposing hemispheric sites

P10.7 Kazuaki Kawamoto, Tadahiro Hayasaka

Potential Radiative Forcing to the surface shortwave irradiance over China

P10.8 Kerstin Ebell, Ulrich Loehnert, Susanne Crewell

Use of integrated profiling techniques for testing radiative transfer schemes

P10.9 Qi Liu, Yunfei Fu, Liang Sun, Yu Wang

The difference of radiative signals between precipitating clouds and non-precipitating clouds derived from TRMM PR and VIRS measurements

P10.10 Sebastian Schmidt, Peter Pilewskie, Graham Feingold, Hongli Jiang

The shortwave radiative properties of cloud fields during GoMACCS and TC4

P10.11 Sethu Raman

Role of cloud radiation interaction in the diurnal variation of precipitation

P10.12 Steven Dobbie

The impact of aerosols on non-precipitating marine Sc, semi-direct and indirect effects

P10.13 Tamir Reisin, Ilan Koren, Orit Altaratz

Numerical simulations of hesitant clouds in the twilight zone

P10.14 Tatsuya Mitsui, Kentaro Suzuki, Hirohumi Tomita, Akira Noda, Masaki Satoh, Teruyuki Nakajima

Radiative Effects of Global Cloud Resolving Model in the framework of 1-Moment bulk scheme combined with Aerosol Transport Model

P10.15 Thomas Nauss, Boris Thies, Jörg Bendix, Alexander A. Kokhanovsky An operational 24/7 technique for the delineation of raining from non-raining clouds based on cloud water path retrievals from multispectral satellite data

P10.16 Volodymyr Bakhanov, Olexiy Kryvobok, Boris Dorman

Radiative properties of mixed frontal clouds.Cloud particle phase determination from multispectral radiometric satellite data

P10.17 William D. Hart, Matthew McGill, Dennis Hlavka, Robert Holz

Cirrus thermal infrared source function from aircraft and spaceborne measurements

13:15-14:45		Poster Session 11: AIDA
		Chairperson: TBD
F	P11.1	Stefan Benz, Ottmar Moehler, Robert Wagner, Helmut Bunz, Martin Schnaiter, Harald Saathoff, Thomas Leisner
		Freezing of supercooled sulphuric acid particles in the aerosol chamber AIDA
F	P11.2	Ottmar Möhler, Johannes Schneider, Saskia Walter, Andrew J. Heymsfield, Carl Schmitt, Z. Ulanowski, the AIDA Team
		How coating layers influence the deposition mode ice nucleation on mineral particles
F	P11.3	Richard Cotton
		Performance testing of a continuous-flow Ice Nucleus Counter at ICIS2007
F	P11.4	Hazel M. Jones
		Initial results from the Manchester Ice Nucleation Counter taken during ICIS2007
F	P11.5	Admir Targino, Ottmar Möhler, Hugh Coe
		On the ice nucleation characteristics of bacteria
F	P11.6	Silvia Henning, Markus Ziese, Alexei Kiselev, Frank Stratmann, Stefan Benz, Ottmar Möhler Relationship between hygroscopicity / CCN efficiency and ice nucleation potential of coated and uncoated soot – results from the AIDA campaign IN11

		Parallel Sessions: Session 10 Radiative+ Session 11 AIDA
14:45-16:45		Parallel Oral Session 10: RADIATIVE PROPERTIES OF CLOUDS (with Session 11: AIDA)
		Chairperson: TBD
14:45-15:00	10.1	Invited: Adrian A. Hill, Graham Feingold, Hongli Jiang
		The influence of entrainment on aerosol-cloud feedbacks in marine stratocumulus
15:00-15:15	10.2	Nan Koren
		On the contribution of hesitant and small clouds to the twilight zone in a sparse cumulus filed
15:15-15:30	10.3	Guoyong Wen, Alexander Marshak, Robert F. Cahalan, James A. Coakley, Lorraine Remer, Norman G. Loeb
		Enhancement of Clear Region Reflectance in the Vicinity of Boundary Layer Cumulus: Physical Mechanisms and a Simple Model for Corrections
15:30-15:45	10.4	Frederick Chosson, Jean-Louis Brenguier, Lothar Schuller
		Heterogeneous cloud fields and cloud parameters retrieval: radiative impact of entrainment-mixing processes.
15:45-16:00	10.5	Paquita Zuidema, Huiwen Xue, Graham Feingold
		Shortwave radiative impacts from aerosol effects on marine shallow cumuli
16:00-16:15	10.6	Gerald G. Mace
		A description of tropical upper tropospheric cloud systems derived from the synergy between coordinated remote sensing and in situ data
16:15-16:30	10.7	Gregory C. Roberts, Muvva V. Ramana, Craig Corrigan, Dohyeong Kim, Veerabhadran Ramanathan
		Simultaneous measurements of cloud microphysical and radiative properties using unmanned aerial vehicles to observe aerosol-cloud interactions
16:30-16:45	10.8	Mikhail Ovtchinnikov, Larry Berg, Evguenii Kassianov
		Dynamical, microphysical, and radiative interactions between aerosols and cumulus clouds
14:30-16:30		Parallel Oral Session 11: AIDA (with Session 10: RADIATIVE PROPERTIES OF CLOUDS)
		Chairperson: Thomas Leisner
14:30-14:45	11.1	Invited: Ottmar Möhler, Paul J. DeMott, Olaf Stetzer
		The fourth international ice nucleation workshop ICIS-2007: Methods and instruments
114:45-15:00	11.2	Lueoend Felix, Stetzer Olaf, Lohmann Ulrike
		Experimental Study on Immersion Freezing under Mixed-Phase Cloud Conditions
15:00-15:15	11.3	Ulrich Bundke, Björn Nillius, Ruprecht Jaenicke, Holger Klein, Thomas Wetter, Heinz Bingemer
		Intercomparison between in situ Ice Nucleus measurements and measurements by the filter method.
15:15-15:30	11.4	Ian Crawford, Paul Connolly, Dantong Liu, Ottmar Möhler, Martin Gallagher
		Investigations into the ice nucleating ability of propane flame soot
15:30-15:45	11.5	Thomas Leisner, Daniel Rzesanke, Maren Brinkmann
		Heterogeneous immersion freezing efficiencies of ice on mineral dust and biogenic particles
15:45-16:00	11.6	Martin Gallagher, Paul J. Connolly, Ottmar Moehler
1000		Freezing of cloud by mineral particles in the AIDA chamber
16:00-16:15	11.7	Paul J. DeMott, Ottmar Moehler, Olaf Stetzer
		The Fourth International Ice Nucleation Workshop (ICIS-2007): Objectives and Results
16:15-16:30	11.8	Admir Targino, Ottmar Möhler, Hugh Coe

END OF SESSIONS