



Day 1: Wednesday, July 27, 2016 8:00 – 12: 20 (Room 1)

Time	Opening Ceremony	Speaker
08:00 – 09:00	On-site registration	
09:00 – 09:15	INVITED address	
09:15 – 09:30	INVITED address	
09:30 – 09:45	INVITED address	
09:45 – 10:00	Yuxiang young scientist awards	
Coffee break		
10:20 – 10:35	INVITED talk 1	
10:35 – 10:50	INVITED talk 1	
10:50 – 11:05	INVITED talk 2	
11:05 – 11:20	INVITED talk 2	
11:20 – 11:35	INVITED talk 3	
11:35 – 11:50	INVITED talk 3	
11:50 – 12:05	Conference logistics	
To be scheduled		
To be scheduled	TBD	Kuo-Nan Liou (INVITED Talk)
To be scheduled	TBD	Pao-Kuan Wang (INVITED Talk)

Day 1: Wednesday, July 27, 2016 13:40 – 18: 00 (Room 1)

Time	Topic	Speaker
Cloud Resolving Models and Aerosol Cloud Interactions: Symposium in Honor of Professor Zhijin Hu – (I) Chairs: Renyi Zhang and Yuquan Zhou		
13:30 – 13: 50	Cloud-Resolving Models: Linking Microphyscis to Dynmaics and Chemistry	Chien Wang (Keynote)
13:50 – 14:10	Setting up and constraining cloud simulations by satellite retrievals of CCN and cloud properties	Daniel Rosenfeld (Keynote)
14:10 – 14:30	Aerosol-PBL-Cloud Interactions	Zhanqing Li (Keynote)
14:30 – 14:50	Advances and opportunities of cloud-resolvable NWP technologies for cloud physics research and applications	Yubao Liu (Keynote)
14:50 – 15:10	TBD	
Coffee break		
Cloud Resolving Models and Aerosol Cloud Interactions: Symposium in Honor of Professor Zhijin Hu – (II) <i>Models (II)</i> Chairs: Zhanqing Li and Qijun Liu		
15:30 – 15:50	The impact of microphysics, resolution and domain size on tropical convection systems	Wei-Kuo Tao (Keynote)
15:50 – 16:10	Investigation of Ice Cloud Microphysical Properties of DCSs using Aircraft in situ Measurements during MC3E over the ARM SGP Site	Xiquan Dong (Keynote)
16:10 – 16:30	Aerosol-Cloud-Climat Interactions from Regional to Global Scale	Yuan Wang (Keynote)
16:30 – 16:45	A new prognostic cloud scheme for the GRAPES global model	Qijun Liu
16:45 – 17:00	A case study of warm cloud microphysics and precipitation over the Tibetan Plateau	Wenhua Gao
17:00 – 17:15	Study on Diagnosing Three Dimensional Cloud Region	Miao Cai
17:15 – 17:35	Application with CAMS Explicit Cloud Scheme in Weather Modification	Yueqing Shi
17:35 - 17:55	The Regional and Global Impacts of Anthropogenic Aerosols in Asia	Renyi Zhang (Keynote)

Day 1: Wednesday, July 27, 2016 13:30 – 18: 00 (Room 2)

Time	Topic	Speaker
Atmospheric Composition (observations, analysis, and modeling) (Part I) Chairs: Juying Xie Warner and Liangfu Chen		
13:30 – 13: 50	The unique role of airborne in situ observations in identifying the coupling between atmospheric dynamics and composition	Laura Pan (Keynote)
13:50 – 14:10	International Initiative for the Development and Implementation of an Air Quality Prediction System for China	Xuemei Wang (Keynote)
14:10 – 14:30	Space-based observations of the regional haze pollution in China	Liangfu Chen (Keynote)
14:30 – 14:45	Satellite Perspective of Aerosol Intercontinental Transport: From Qualitative Tracking to Quantitative Characterization	Hongbin Yu
14:45– 15:00	Top-down and bottom-up ammonia emissions over China	Lin Zhang
15:00 – 15:15	Global Ammonia Concentrations Seen by the 13-years AIRS Measurements	Juying Warner
Coffee break		
Middle/Upper Atmosphere and Space Weather (Part I) Chairs: Han-Li Liu, Jiyao Xu		
15:30 – 15:50	Chinese Radar observations of the ionosphere and upper atmosphere	Weixing Wan (Keynote)
15:50 – 16:10	Satellite Based FUV observations of upper atmosphere and applications for space weather	Yongliang Zhang (Keynote)
16:10 – 16:25	Gravity waves induced by thunderstorms over Northern China observed by a no-gap OH airglow imager network and satellites	Jiyao Xu
16:25 – 16:40	Observational investigation of the possible correlation between medium-scale TID and mid-latitude spread F	Zuo Xiao
16:40 – 16:55	Recent Advances in MLT Studies at the Andes Lidar Observatory	Alan Liu
16:55 – 17:10	Decreasing trend of the middle atmospheric static stability in historical data from rocketsonde network	Ze-Yu Chen
17:10 – 17:25	Recent Results From Satellite Observation of Mesospheric Winds	Qian Wu

Day 2: Thursday, July 28, 2016 8:00 – 12: 20 (Room 1)

Time	Topic	Speaker
Data Assimilation Part I: Global-scale and coupled systems Chairs: Zhiyong Meng, Fuqing Zhang		
08:00 – 08: 20	Some Progresses in the studies of Target observations	Mu Mu (Keynote)
08:20 – 08:40	Impact of Corrected Tropical Cyclones Statistics on Climate Analysis and Predictions: Results of High-Resolution Coupled Model Data Assimilation	Shaoqing Zhang (Keynote)
08:40 – 09:00	Applications of ocean data assimilation into a coupled climate model to East Asian summer monsoon simulations	Jiang Zhu (Keynote)
09:00 – 09:20	A new ensemble approach and decadal predictions of ENSO based on CMIP5 models	Bin Wang (Keynote)
09:20 – 09:40	Ensemble based Data Assimilation for Global to Storm-scale Numerical Weather Prediction	Xuguang Wang (Keynote)
Coffee break		
Data Assimilation Part II: Regional and convective scales Chairs: Zhiyong Meng, Fuqing Zhang		
10:00 – 10:20	Needs, plans and perspectives of multi-scale regional-scale data assimilation for the Tibetan Plateau	Deliang Chen (Keynote)
10:20 – 10:40	Development of WRF-FDDA NWP systems for power grid applications in China	Yubao Liu (Keynote)
10:40 – 11:00	Progresses in convective-scale and radar data assimilation	Ming Xue (Keynote)
11:00 – 11:15	Impact of assimilating radar observations for landfalling tropical cyclones with an ensemble Kalman filter	Zhiyong Meng
Session: Tropical Cyclones Chairs: Da-Lin Zhang, Yuqing Wang		
11:15 – 11:35	The maximum potential intensity of tropical cyclones: A physically and observationally-based approach	Yuqing Wang (Keynote)
11:35 – 11:55	Shifts of the Tropical Upper Tropospheric Trough and its Influence on Tropical Cyclone Formation over the Western North Pacific	Liguang Wu (Keynote)

Day 2: Thursday, July 28, 2016 13:40 – 18: 00 (Room 1)

Time	Topic	Speaker
Session: Tropical Cyclones Chairs: Da-Lin Zhang, Yuqing Wang		
13:30 – 13: 50	Multi-scale Refractivity Structures of Hurricane Sandy (2012) as Revealed in Global Analysis, prediction, and GPS RO observations	Xingqin Fang (Keynote)
13:50 – 14:10	Data Mining Applications for Atlantic Tropical Cyclone Intensity Changes and Rapid Intensification	Ruixin Yang (Keynote)
14:10 – 14:25	Kinetic energy budget during the genesis period of tropical cyclone Durian (2001) in the South China Sea	Yaping Wang
14:25 – 14:40	Influences of Land and Mountain on Tropical Cyclone Structure	Xiaodong Tang
14:40 – 14:55	Direct effect of potential extratropical transitioning tropical cyclones on rainfall over the China mainland	Huang Hong
14:55 - 15:10	Study on Formation Mechanism of Landfall Tropical Cyclone Rainstorm on Henan Province	Zhiyong Huang
15:10 - 15:25	The Impact of Moist Frontogenesis and Tropopause Undulation on the Intensity, Size and Structural Changes of Hurricane Sandy (2012)	Da-Lin Zhang
Coffee break		
Session: Severe convective weather and heavy precipitation Chairs: Ming Xue, Chunguang Cui		
15:30 – 15:50	Practical and intrinsic predictability of a tornadic supercell event	Fuqing Zhang (Keynote)
15:50 – 16:10	Mesoscale Observational Analysis of an Extreme Rainfall Event during the SCMREX-2014	Yali Luo (Keynote)
16:10 – 16:30	Advances In The Research of Heavy Rain	Chunguang Cui (Keynote)
16:30 – 16:50	Analysis of microphysics characteristics using dual-pol Doppler radar, distrometer and other measurements collected during OPACC field experiments	Kun Zhao (Keynote)
16:50 – 17:05	From Line Echo Wave Pattern (LEWP) to Bow Echo	Wen-Chau Lee
17:05 – 17:20	Initiation of elevated convection in a Meiyu frontal squall line of July 2014 over central East China	Qinghong Zhang
17:20 – 17:35	Orographic effects on storm-scale structures in short-time heavy rainfall events under weak synoptic backgrounds	Jisong Sun
17:35 – 17:50	Radar-based analysis of weather conditions for the ‘Oriental Star’ disaster	Yangjiao Xiao
17:50 – 18: 05	Numerical Simulation of a Hailstorm Event of April 2015 over Eastern China: Hailstone Size Forecast, Microphysical Budgets and Convection Initiation Mechanism	Liping Luo
18:05 – 18:20	Initiation and maintenance of two long-lived mesoscale convective systems producing extreme rainfall in the coastal Guangdong areas during SCMREX	Xi Liu
18:20 – 18:35	Synoptic Situations of Extreme Hourly Precipitation in China	Mengwen Wu
18:40 – 19:10	中国气象科学研究院工作晚餐报告	

Day 2: Thursday, July 28, 2016 8:00 – 12: 20 (Room 2)

Time	Topic	Speaker
<i>Session: Aerosol, Pollution and Climate (Part I)</i> Chairs: Wei-Kuo Tao & Xiquan Dong		
08:00 – 08: 20	The Aerosol-Monsoon Climate System of Asia: Changes and Vulnerabilities	William K.M. Lau (Keynote)
08:20 – 08:40	Observational Metrics for CMIP6 Climate Model Assessments	Jonathan H. Jiang (Keynote)
08:40 – 08:55	Impacts of aerosols on precipitation and lightning activity in Beijing	Li Cai
08:55 – 09:10	Impacts of Saharan Dust on the Tropical Climate and Tropical Cyclogenesis	Bowen Pan
09:10 – 09:25	Aerosol effects on precipitation and lightning activity over Houston, Texas	Yun Lin
09:25 – 09:40	Introduction on the large capacity Vertical Observation Platform based on Tethered Balloon	Qingyan Fu
09:40 – 10:00	Air quality management in China: issues, challenges, and options	Shuxiao Wang (Keynote)
Coffee break		
<i>Session: Aerosol, Pollution and Climate (Part II)</i> Chairs: William Lau & Jonathan H. Jiang		
10:00 – 10:20	A GCM Investigation of Impact of Aerosols on the Precipitation in Amazon during the Dry to Wet Transition	Yu Gu (Keynote)
10:20 – 10:35	Aerosols and climate interaction in Community Earth System Model	Yangyang Xu (Keynote)
10:40 – 10:55	Characteristics of Atmospheric Stratification and Cloud physics of Different Types of Freezing Rain over Southern China	Tao Yue
10:50 – 11:05	A study on data assimilation and forecast for PM2.5 and PM10 in the Beijing-Tianjin-Hebei region	Zengliang Zang
11:05 – 11:20	Numerical simulation on a convective-stratiform mixed cloud precipitation in different scales	Wei Zhang
11:20 – 11:40	Numerical Simulations of Cloud Structure and seedability of a Precipitating Stratiform in Hebei	Jing Sun
11:40 – 11:55	Cloud and seeding model development and application	Xiaofeng Lou

Day 2: Thursday, July 28, 2016 13:30 – 18: 00 (Room 2)

Time	Topic	Speaker
<i>Session: Teleconnection between High-latitude and East Asian Climate (Part I)</i>		
Chairs: Huijun Wang, Yongyun Hu		
13:30 – 13: 50	Arctic sea-ice melting may lead to cold winters over North China and East Asia	Yongyun Hu (Keynote)
13:50 – 14:10	Summer Asian jet meridional displacement and the Silk Road Pattern	Riyu Lu (Keynote)
14:10 – 14:25	Influence of the spring Arctic Oscillation on the subsequent ENSO and its asymmetry	Wen Chen
14:25 – 14:40	Interdecadal circumglobal teleconnection pattern during boreal summer	Tianjun Zhou
14:40 – 14:55	Summer Arctic dipole wind pattern affects winter Siberian High	Bingyi Wu
14:55 – 15:10	The coordinated effect of Arctic sea ice loss and La Nina on Eurasian winter climate	Shuanglin Li
Coffee break		
<i>Session: Teleconnection between High-latitude and East Asian Climate (Part II)</i>		
Chairs: Huijun Wang, Yongyun Hu		
15:30 – 15:50	The Dynamics of global warming hiatus	Jianping Huang (Keynote)
15:50 – 16:10	The Regional and Global Impacts of Anthropogenic Aerosols in Asia	Zhaomin Wang (Keynote)
16:10 – 16:25	Interannual modulation of early East African short rains by the boreal winter AO	Daoyi Gong
16:25 – 16:40	Interdecadal change of the linkage between NAO and the tropical cyclone frequency over the western North Pacific	Botao Zhou
16:40 – 16:55	Contribution of PDO and AMO to the late 1990s' shift in East Asian summer rainfall	Yali Zhu
16:55 – 17:10	Recent intensified teleconnection of December Arctic Oscillation with the following January climate in Eurasia and North Africa	Shengping He
17:10 – 17:25	Extratropical ocean warming and winter Arctic sea ice cover since the 1990s	Fei Li
17:25 – 17:40	The Capability of ENSEMBLES Models in Predicting the Principal Modes of Pan-Asian Monsoon Precipitation	Ya Gao
17:40 – 17:55	Seasonal prediction of NAO	Ke Fan

Day 3: Friday, July 29, 2016 8:00 – 12: 20 (Room 1)

Time	Topic	Speaker
Session: Precipitation and Hydrology (Part I) Chairs: Huan Wu, Qiuhong Tang, Yang Hong		
08:00 – 08: 20	Remote sensing mapping of snow cover: improvements and applications	Hongjie Xie (Keynote)
08:20 – 08:40	Understanding the coevolving impact of future precipitation and urbanization on flood peak flows: A case study over a river basin in the United States	Huilin Gao (Keynote)
08:40 – 8:55	Precipitation Measurement and Applications to Hydrology	Yang Hong
08:55 – 09:10	Progresses towards improved seasonal hydrological prediction	Lifeng Luo
09:10 – 09:25	Changes of extreme precipitation in monsoon region over China and non-stationary and nonlinear influence from ENSO, IOD and PDO	Tao Gao
09:25 – 09:40	Analysis of an extreme precipitation event over the middle region of the Yangtze River through the MHROS ground based observations	Wan Xia
Coffee break		
Session: Precipitation and Hydrology (Part II) Chairs: Huan Wu, Qiuhong Tang, Yang Hong		
10:00 – 10:20	Perturbed-Physics Ensemble Precipitation Forecasting Using the WRF Model	Qingyun Duan (Keynote)
10:20 – 10:40	Snow Data Assimilation and Its Use in Hydroclimate Prediction	Zong-Liang Yang (Keynote)
10:40 – 11:00	Research to Advance US National Drought Monitoring and Prediction Capabilities	Jin Huang (Keynote)
11:00 – 11:15	Hydrological Monitoring and Seasonal Forecast over China	Qiuhong Tang
11:15 – 11:30	The progress and future plan of CMA Land surface Data Assimilation System (CLDAS)	Chunxiang Shi
11:30 – 11:45	Satellite Precipitation Activities Of The International Precipitation Working Group	Nai-Yu Wang
11:45 – 12:00	A Hydrology framework for Evaluation of Quantitative Precipitation Estimations (QPE)	Huan Wu
12:00 – 12:15	Development and Application of Basin Hydrometeorology Real-Time Forecast System	Pengtao Tao

Day 3: Friday, July 29, 2016 13:40 – 18: 00 (Room 1)

Time	Topic	Speaker
Session: Middle/Upper Atmosphere and Space Weather (Part II) Chairs: Jiyao Xu, Han-li Liu		
13:30 – 13: 50	Observations by GNSS radio occultation: From COSMIC to COSMIC-2	Xinan Yue (Keynote)
13:50 – 14:10	Space Weather Operations in CMA	Xiaoxin Zhang (Keynote)
14:10 – 14:25	Anomalous electron heating effects on the E region ionosphere in TIEGCM	Jing Liu
14:25 – 14:40	The Vertical Propagation and Coupling of Gravity Waves and Related with the Tropospheric Phenomena	Xianghui Xue
14:40 – 14:55	Southern hemisphere summer mesopause responses to El Niño-Southern Oscillation	Tao Li
14:55 – 15: 05	Development and Validation of NCAR Whole Atmosphere Community Climate Model with Thermosphere/Ionosphere Extension (WACCM-X)	Hanli Liu
Coffee break		
Session: The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea Chairs: Song Yang, Renguang Wu		
15:30 – 15:50	Climate Variations over the South China Sea and Adjacent Regions: Response to and Feedback onto Global Climate Change	Song Yang (Keynote)
15:50 – 16:10	A New Method for Equatorial Wave Expansion of Instantaneous Flows	Ming Cai (Keynote)
16:10 – 16:25	Relationship of boreal summer 10-20-day and 30-60-day intraseasonal oscillation intensity over the tropical western North Pacific to tropical Indo-Pacific SST	Renguang Wu (Keynote)
16:25 – 16:40	Indo-Pacific remote forcing in summer rainfall variability over the South China Sea	Zhuoqi He
16:40 – 16:55	Processes-based Attributions of the Temporal Evolution of the Global Warming in the Last 37 Years	Xiaoming Hu
16:55 – 17:10	Role of the South Asian high in the onset processes of the Asian monsoons during spring to summer transition	Wei Wei
17:10 – 17:25	Intensified Deep Convection Over the Asian-Australian Monsoon Regions Prolongs the Persistence of the El Niño and La Niña Events	Zhenning Li

Day 3: Friday, July 29, 2016 8:00 – 12: 20 (Room 2)

Time	Topic	Speaker
Session: Atmospheric Composition (observations, analysis, and modeling) (Part II) Chairs: Liangfu Chen and Juying Xie Warner		
08:00 – 08: 20	An advanced PM2.5 data reanalysis method combined by ground monitoring, satellite and numerical model	Zifa Wang (Keynote)
08:20 – 08:40	Introduction on the large capacity Vertical Observation Platform based on Tethered Balloon	Qingyan Fu (Keynote)
08:40 – 08:55	Decadal variation of regional air quality in the Pearl River Delta (PRD) region in China viewed from space	Zifeng Wang
08:55 – 09:10	Development of the Cloud and haze detection algorithm with the Himawari-8 data over the North China Plain	Huazhe Shang
09:10 – 09:25	Variability of Interhemispheric Tracer Transport	Xiaokang Wu
09:25 – 09:40	CMA 全球大气再分析计划与进展	Zhiquan Liu
Coffee break		
Session: Atmospheric Composition (observations, analysis, and modeling) (Part III) Chairs: Liangfu Chen and Juying Xie Warner		
10:00 – 10:20	Secondary inorganic aerosols in China: contributions from emissions, chemistry, and meteorology	Yuxuan Wang (Keynote)
10:20 – 10:40	Inter-comparison of Hydrocarbon speciation in Mega Cities	Min Shao (Keynote)
10:40 – 10:55	The dynamic effects of the Loess Plateau and their impact on air quality in the North China Plain	Xiao-Ming Hu
10:55 – 11:10	Time Series of CO ₂ /CH ₄ retrieval over China from GOSAT observations in near infrared band	MingMin Zou
11:10 – 11:25	Intercomparison of CO Distributions and Recent Trends between AIRS and IASI Measurements	Zigang Wei
11:25 – 11:40	Response of sulfur pollution in eastern U.S. to a local regulation	Hao He

Day 3: Friday, July 29, 2016 13:40 – 18: 00 (Room 2)

Time	Topic	Speaker
Session: Cloud and Radiation Budget Chairs: Qiang Fu and Jianping Huang		
13:30 – 13: 50	Relationships between Tropical High Clouds, Circulation and Precipitation	Hui Su (Keynote)
13:50 – 14:10	Decadal Variability of Surface Incident Solar Radiation over China: Observations, Satellite Retrievals, and Reanalyses	Kaicun Wang (Keynote)
14:10 – 14:30	Marine and Continental Low-level Cloud Processes and Properties	Xiquan Dong (Keynote)
14:30 – 14:50	Uncertainties in cloud retrievals from the ARM ground-based remote sensing	Chuanfeng Zhao (Keynote)
14:50 – 15:05	Effect of Environment on Marine Boundary Layer Cloud-Drizzle Process	Baike Xi
15:05 – 15:20	Variational cloud analysis in Local Analysis and Prediction System (LAPS)	Yuanfu Xie
Coffee break		
Session: Satellite Meteorology/Oceanography, Remote Sensing, and in-situ Measurements Chairs: Ping Yang, Jun Yang		
15:30 – 15:45	Satellite Observations of Cloud Ice and Snowfall	Guosheng Liu
15:45 – 16:00	Storm surge remote sensing by Chinese HY-2A satellite	Jingsong Yang
16:00 – 16:15	First 3-D New York State Mesonet	Junhong Wang
16:15 – 16:30	An Improved Microwave Satellite Data Set for Hydrological and Meteorological Applications	Wenze Yang
16:40 – 16:55	Investigation of the optimal ice particle model for ice cloud remote sensing	Husi Letu Wang

Day 4: Saturday, July 30, 2016 8:00 – 12: 20 (Room 1)

Time	Topic	Speaker
Monsoon and Tropical Meteorology & Ocean-Atmosphere Interaction Chairs: Lixin Lu and Tianliang Zhao		
08:00 – 08:30	INVITED seminar	Xiangde Xu
08:30 – 09:00	INVITED seminar	Guoxiong Wu
09:00 – 09:30	INVITED seminar The role of WISHE in secondary eyewall formation in tropical cyclones	Chun-Chieh Wu
Coffee break		
10:20 – 10:35	Impacts of the Indian Summer Monsoon and ENSO and the Interannual Variation of the Pacific Tropical Upper-Tropospheric Trough	Kaiqiang Deng
10:35 – 10:50	A Robust Method for Assessing Tropical Pacific Remote Climatic Impact in a CGCM: The Partial Duplicate Method	Xinyao Rong
10:50 – 11:05	Delineating barotropic and baroclinic mechanisms in the midlatitude jet response to the lower tropospheric thermal forcing	Yang Zhang
11:05 – 11:20	Evolution and forcing mechanisms of ENSO over the last 300,000 years in CCSM3	Zhengyao Lu

Day 4: Saturday, July 30, 2016 13:40 – 18: 00 (Room 1)

Time	Topic	Speaker
Ocean processes and modeling (Part I) Chair: Ronghua Zhang, Wansuo Duan		
13:40 – 14: 00	On study of ocean circulation in the western Pacific-Past, present and future	Dunxin Hu (Keynote)
14:00 – 14:20	Dynamics of eddy-circulation interplaying in the northern South China Sea	Dongxiao Wang (Keynote)
14:20 – 14:35	In-situ Ocean Observing Systems: Present and Future	Chung-Chu Teng (Keynote)
14:35 – 14:50	The Response of the Interdecadal Pacific Oscillation to Strong Tropical Volcanic Eruptions in CMIP5 Simulations	Yongqiang Yu
14:50 – 15:05	Application of the Global 30km FIM-HYCOM Coupled Model to Seasonal Forecasting	Shan Sun
15:05 – 15:20	Improved ensemble-mean forecast skills of ENSO events by a zero-mean stochastic error model of an intermediate coupled model	Fei Zheng
15:20 – 15:40	A three layer alternating spinning circulation in the South China Sea	Jianping Gan (Keynote)
Coffee break		
Ocean processes and modeling (Part II) Chair: Dongxiao Wang		
16:00 – 16:20	An improved representation of wind stirring effect on the ocean mixed layer and its application to tropical Pacific ocean modeling	Rong-Hua Zhang (Keynote)
16:20 – 16:40	Anthropogenic Drought in Southwest China	Tianjun Zhou (Keynote)
16:40 – 17:00	Sensitive Areas for Targeting Observation Associated with Predictions of Two Types of El Nino Events	Wansuo Duan (Keynote)
17:00 – 17:15	Towards improving seasonal climate prediction by mathematical methods	Youmin Tang
17:15 – 17:30	Anomalous behaviors of Wyrcki Jets in the equatorial Indian Ocean during 2013	Lin Liu
17:30 – 17:45	The Annual-Cycle Modulation of Meridional Asymmetry in ENSO's Atmospheric Response and Its Dependence on ENSO Zonal Structure	Wenjun Zhang
17:45 – 18:00	Different Responses of Sea Surface Temperature in the South China Sea to Various El Niño Events during Boreal Autumn	Xin Wang

Day 4: Saturday, July 30, 2016 8:00 – 12: 20 (Room 2)

Time	Topic	Speaker
Session: Climate Change, Impact and Adaptation Chair: John Qu		
08:00 – 08:15	A Climatological Perspective of Vortices over Southwest China	Xiao Tian
08:15 – 08:30	Global Water Vapor Trend from 1988-2011 and its Diurnal Asymmetry Based on GPS, Radiosonde and Microwave Satellite Measurements	Junhong Wang
08:30 – 08:45	Regional Contrasts of the Warming Rate over Land Significantly Depend on the Calculation Methods of Mean Air Temperature	Kaicun Wang
08:45 – 09:00	The Arctic and Polar cells influencing the Arctic climate	Weihong Qian
09:00 – 09:15	Role of Stratospheric Water Vapor in Global Warming from GCM Simulations Constrained by Satellite Observations	Yuan Wang
09:15 – 09:30	Evaluation of three global gridded precipitation datasets by Distance of Indices between Simulation and Observation (DISO) index in Central Asia	Zengyun Hu
09:30 – 09:50	Challenges and Needs of Food-Energy-Water (FEW) Nexus Under Climate Change	John Jianhe Qu
Coffee break		
Session: Land-Atmosphere Interactions Chairs: Zong-liang Yang, Zhuguo Ma		
10:10 - 10:30	Design and Application of a Benchmarking System for Earth System Models	Mingquan Mu (Keynote)
10:30 - 10:50	The Carbon–Nitrogen–Water Cycle for Climate Change	Li Dan (Keynote)
10:50 - 11:10	Attribution and Prediction of Droughts across Scales	Xing Yuan (Keynote)
11:10 - 11:30	SwayLES: A coupled 3-D Large-Eddy-Simulation-Tree-Sway-Model	Hong-Bing Su
11:30 - 11:45	Impact of synoptic sea breeze fronts on the urban heat island intensity in Dallas-Fort Worth, Texas	Xiao-Ming Hu
11:45 - 12:00	Modeled responses of summer precipitation to realistic land use/cover changes from the 1980s to the 2000s over eastern China	Yang Hu

Day 4: Saturday, July 30, 2016 13:30 – 18: 00 (Room 2)

Time	Topic	Speaker
Promote Talks from the Sponsors & Poster Award		
13:30 – 13: 50	1	
13:50 – 14:10	2	
14:10 – 14:30	3	
14:30 – 14:50	Poster Award	
Coffee break		
Session: Climate Modeling, Prediction and Projection Charis: GuangJun Zhang and Baijun Tian		
15:30 – 15:50	Use of a Hierarchy of Models for GCM Convection Parameterization Development	GuangJun Zhang (Keynote)
15:50 – 16:10	Spread of model climate sensitivity linked to double-intertropical convergence zone bias.	Baijun Tian (Keynote)
16:10 – 16:25	Dynamics of the warming hiatus over the Northern Hemisphere	Jianping Huang
16:25 – 16:40	Applications of decision thinking in weather and climate prediction	Jilin Sun
16:40 – 16:55	Response of terrestrial aridity to global warming	Qiang Fu
16:55 – 17:10	Community integrated climate system model development at Tsinghua University	Yanluan Lin
17:10 – 17:25	Convection parameter estimation in climate models	Shan Li
17:25 – 17:40		

Poster Session:

Poster sessions will be held July 27 through 29. Poster sizes are 90cm (3') wide and 120cm (4') long. Best poster awards will be presented on July 30.

Session I: Chair: Hao He

Hui He	Aerosol, Pollution and Climate	Mesoscale Numerical Simulation Study on the Warm Fog Dissipation by Salt Particles Seeding
Jiayi Hu	Aerosol, Pollution and Climate	Global Climate Models Intercomparison of Anthropogenic Aerosols Effects on Regional Climate over North Pacific
Jing Zhai	Aerosol, Pollution and Climate	Numerical simulations of convective cloud merging processes at different development stages
Qian Gao	Aerosol, Pollution and Climate	A numerical study on the dense fog event during November 30 - December 1, 2009
Tao Liu	Aerosol, Pollution and Climate	A Simulation Study on Trough Cold Front Cloud Structure and the Characteristic of Supercooled Water Distribution
Ting You	Aerosol, Pollution and Climate	Regional meteorological patterns for particular matter concentration changes in Beijing
Xiang'e Liu	Aerosol, Pollution and Climate	Numerical simulation research on silver iodide cold cloud seeding
Yan Fei	Aerosol, Pollution and Climate	Numerical Simulation Study on the distribution characteristics of supercooled water of Convective Stratiform Mixed Cloud
Yuquan Zhou	Aerosol, Pollution and Climate	南京青奥会云降水结构和消减雨效果预报监测
Asi Zhang	Aerosol, Pollution and Climate	Observation and Simulation of Winter Wheat Stomatal O ₃ Absorbed Flux
Weiguo Liu	Aerosol, Pollution and Climate	Seeding Modeling Study of Two Precipitation Processes over Northern China in the Spring of 2014
Xuejing Fang	Atmospheric Composition (observations, analysis, and modeling)	Sensitivity Analysis for Mesospheric OH Radical from Simulation of Limb-scattered Solar Radiation in Ultraviolet Band
Man Zhang	Data Assimilation and Weather Prediction	Impact assessment of cloud-affected AMSU-A radiance assimilation in TC inner-core region using hybrid data assimilation approaches
Rongqian Yang	Land-Atmosphere Interaction	Understanding the role of land-atmospheric interaction in the NCEP coupled forecast system (CFS) on drought forecast skill for the 2011 and 2012 US droughts

Session II:

Lei Wang	Climate Change, Impact and Adaptation	Changes in oceanic and terrestrial carbon uptake under various warming targets
Mingqiong He	Climate Change, Impact and Adaptation	Rainfall decadal variability in the Qingjiang Valley of Hubei province in recent 50 years
Ping Huang	Climate Change, Impact and Adaptation	Mechanisms of change in ENSO-induced tropical Pacific rainfall variability in a warming climate
Bo Liu	Climate Change, Impact and Adaptation	Atmospheric responses to recent slowdown of global warming
Chenyu Zhu	Climate Modeling, Prediction and Projection	Antarctic Intermediate Water(AAIW) in CMIP5 models
Qun Liu	Climate Modeling, Prediction and Projection	A Preliminary Investigation on the Multi-Model Ensemble Method in the Pacific Decadal Oscillation Study
Xuezhong Wang	Climate Modeling, Prediction and Projection	A Possible Linkage between Arctic River Discharge and the Fram Strait Sea Ice Flux
Yuchu Zhao	Climate Modeling, Prediction and Projection	Parameter estimation with observation data in an intermediate model
Chenghui Ding	Data Assimilation and Weather Prediction	Preliminary simulation analysis of Typhoon Mujigae
Zhi Zhu	Data Assimilation and Weather Prediction	A method to interpolate air temperature based on variational analysis
Tieyuan Shen	Food-Energy-Water Nexus	Design of The Distributed Hydrological Model and Its Primary Test on Flood Simulation
Xiong Chen	Monsoon and Tropical Meteorology	Impact of East Asian winter monsoon on MJO over the equatorial western Pacific
Pei-long Yu	Ocean-Atmosphere Interaction	Coupled Variability between Winter SST in the Kuroshio Extension Region and Aleutian Atmospheric Low Pressure System during the Last 100 Years
Yi Chen Wang	Oceanography (Physics, Chemistry and Biology)	Summer variation of fish larvae assemblages in the coastal waters off the Changjiang River estuary, East China Sea
Guirong Xu	Satellite Meteorology/Oceanography, Remote Sensing, and in-situ Measurements	Effect of off-zenith observations on reducing the impact of precipitation on ground-based microwave radiometer measurement accuracy
Guangxing Zhang	Severe Weather and Typhoon	On the Orographically Generated Low-Level Easterly Jet and Severe Downslope Wind-Dust Storm of March 2006 over the Tacheng Basin of Northwest China
Lulin Xue	Severe Weather and Typhoon	Simulations of a squall line case from MC3E applying three bin microphysics schemes
Ming Xu	Severe Weather and Typhoon	Comparative analysis of easterly air stream triggering two convection rainstorm in the Eastern side of Sichuan Plateau

Session III:

Chanzhu Li	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Relationship between the tropospheric temperature over the Tibetan Plateau and the high surface air temperature in upstream of the plateau in spring and summer
Hanjie Fan	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	2014-2015 El Niño : characteristics , evolution and its impact on the climate of East Asia
Jiepeng Chen	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	An interdecadal change in the intensity of interannual variability in summer rainfall over southern China around early 1990s
Junbin Ma	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Analysis of the Cross-Equatorial Currents in the Tropical Indian Ocean
Mengmeng Lu	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Variations of Mid-Atlantic Trough and Associated Climate Anomalies
Shan He	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Influence of Spring Subtropical Westerly Jet Anomalies over Eurasian Continent on Eastern Asia
Shaorou Dong	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Temporal and Spatial Variation of Global Precipitation Prediction in Transitional Seasons
Teng Wang	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Interannual change in South China Sea tropical cyclone frequency related to sea surface temperature in different basin
Yaheng Tan	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Characteristics of Semiannual Oscillation of SST in Tropical Indian Ocean and Western Pacific and Their Relationships with Atmospheric Circulation
Yuexing Cai	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Comparison of Extreme Precipitation Events in Early and Latter Rainy Seasons over South China
Yuntao Jian	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	INTERANNUAL VARIATION OF EAST ASIAN WINTER MONSOON IN EARLY AND LATE WINTER AND ITS RELATIONSHIP WITH EAST ASIAN PRECIPITATION
Zhibiao Wang	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Features of snow cover changes over the Tibetan Plateau and their factors
Ziqian Wang	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Origin of Indian Summer Monsoon Bias in CMIP5 Multimodel Ensemble
Yana Li	The Atmosphere, Ocean and Climate of the Pearl Delta and South China Sea	Annual Variations of the Surface Temperature over South China Sea and Its Adjacent Regions: From a Process-based Physical Attribution Perspective