

Agenda

October 15, 2015(Thursday)

08:30-09:00	Opening Ceremony
09:00-09:15	Photo
09:15-12:00	Session I –1 Model Development Chair:Xiuqun Yang/Hong Liao
09:15-09:40	AGCM with Cloud Microphysics In-Sik Kang (Seoul National University)
09:40-10:05	GFDL's Unified Weather-Climate Model Developments Shian-Jiann Lin (GFDL/NOAA, UCAR)
10:05-10:25	Development of TaiESM Chein-Jung Shiu (RCEC, Academia Sinica, Taiwan)
10:25-10:45	Convective Parameterization in the High Resolution Modeling Era Guangjun Zhang (Tsinghua University & Scripps Institution of Oceanography)
10:45-11:05	A Brief Introduction to an ESM+CEM Model Wenjie Dong (Beijing Normal University)
11:05-11:25	Revisiting the Double ITCZ Problem in Coupled Climate Models Baoqiang Xiang (GFDL/NOAA, UCAR)
11:25-11:45	Finite-volume Atmospheric Model of the IAP/LASG (FAMIL) Qing Bao (IAP, Chinese Academy of Sciences)
11:45-12:00	FIO-ESM: the Earth System Model with Surface Gravity Waves Zhenya Song (First Institute of Oceanography, SOA)
12:10	Lunch

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14:00-15:30	Special Session - ESMC Reports Chair:Tim Li
14:00-14:20	The Progress of the NUIST Model Development Bin Wang (University of Hawaii/NUIST)
14:20-14:30	Understanding of Tropical Cyclone Climate Change over the Western North Pacific Liguang Wu (NUIST)
14:30-14:40	An Atmospheric Origin of the Multi-decadal Bipolar Seesaw Zhaomin Wang (NUIST)
14:40-14:50	Can the Tibetan Plateau Snow Cover Influence the Interannual Variations of Eurasian Heat Wave Frequency? Zhiwei Wu (NUIST)
14:50-15:00	Climate Variability and Future Projection Pang-chi Hsu (NUIST)
15:00-15:10	Analysis of Seasonal Ozone Budget in the Boundary Layer of the Asia-Pacific Region Xuewei Hou (NUIST)
15:10-15:20	Size-resolved Aerosol Module: Model Development and Climatic Effect Xiaoyan Ma (NUIST)
15:20-15:30	Some Advances in Paleoclimate Simulation and Analysis of NUIST Earth System Model Fei Liu (NUIST)
15:30-15:40	Coffee Break

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15:40-18:10	Session II –1 Model Application Chair:Wenjie Dong/Zhiwei Wu
15:40-16:05	Prospects for Prediction of Sub-seasonal to Seasonal Climate James L. Kinter III (George Mason University)
16:05-16:30	Preliminary Results of Global Monsoon Modeling Intercomparison Project Tianjun Zhou (IAP,Chinese Academy of Sciences)
16:30-16:50	Arctic Sea Ice Simulation and Projection: How Credible Are the State-Of-The-Art Climate Models? Xiangdong Zhang (IARC, University of Alaska Fairbanks)
16:50-17:10	Transient Response of an Atmospheric GCM to External Forcings Laurent Li (CNRS, UPMC)
17:10-17:30	Using Satellite Data to Represent Multi-scale Ocean-Atmosphere Processes for Improved Climate Modeling Ronghua Zhang (IOCAS, Chinese Academy of Sciences)
17:30-17:50	Future Projection of the Extreme Rainfall Frequency of Taiwan Mei-Yu Downscaled from the CMIP3 and CMIP5 Models Mong-Ming Lu (Centeral Weather Bureau, Taiwan)
17:50-18:10	Arctic Sea Ice in CMIP5 Climate Model Projections and Their Seasonality Variabilities Fei Huang (Ocean University of China)
18:20	Reception

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October 16, 2015(Friday)

08:30-12:00	Session I-2 Model Development Chair:Zhaoming Wang/Xiaoyan Ma
08:30-08:55	Climate Modeling in Japan Masahide Kimoto (University of Tokyo)
08:55-09:20	Deconstructing Recent Regional Climate Change: Is CO2 a Sufficient Driver? Hans Von Storch (Institute of Coastal Research/HZG, Hamburg University and Ocean University of China)
09:20-09:40	A New Normal in Land Surface Modeling Zongliang Yang (University of Texas at Austin)
09:40-10:00	Importance of Bitwise Identical Reproducibility in Earth System Modeling and Status Report Li Liu (Tsinghua University)
10:00-10:20	Development of the Online Aerosol Module in GCM Tie Dai (IAP, Chinese Academy of Sciences)
10:20-10:40	Coffee Break <small>系统模拟中</small>
10:40-11:00	Fast and Slow Response of the Climate System Long Cao (Zhejiang University)
11:00-11:20	Chemical-dynamical-radiative Feedbacks in the Stratosphere in Chemistry-climate Models Wenshou Tian (Lanzhou University)
11:20-11:40	Schwarz-Christoffel Conformal Mapping Based Grid Generation for Ocean General Circulation Models Shiming Xu (Tsinghua University)
11:40-12:00	Simulation on the Melt Pond of Arctic Jie Su (Ocean University of China)
12:10	Lunch

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14:00-18:10	Session II-2 Model Application Chair: Pang-chi Hsu/Hua Chen
14:00-14:25	Extreme Precipitation and Tropical Cyclones in a Warming Climate Simulated by CAM Julio Bacmeister (NCAR Earth System Laboratory)
14:25-14:50	Applications of Climate System Models: Target Observations for High-impact Ocean-Atmospheric Environmental Events Mu Mu (IOCAS, Chinese Academy of Sciences)
14:50-15:10	Probabilistic versus Deterministic Skill in Predicting the Western North Pacific-East Asian Summer Monsoon Variability with Multi-Model Ensembles Xiuqun Yang (Nanjing University)
15:10-15:30	What Causes the Divergent Projections of ENSO Amplitude Changes under Global Warming Tim Li (University of Hawaii)
15:30-15:50	The Most Disturbing Tendency Error of Zebiak-Cane Model Associated with El Nino Predictions and Its Implications WansuoDuan (IAP,Chinese Academy of Sciences)
15:50-16:10	Impact of Biogenic Emissions on Climate Change Feng Liu (University of Illinois at Urbana-Champaign)
16:10-16:20	Coffee Break

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16:20-16:40	The Simulation of Past and Future Changes in Tropospheric Ozone and Aerosols in China Hong Liao (IAP, Chinese Academy of Sciences)
16:40-17:00	Land Surface Model Calibration at Grid-scale through Microwave Data Assimilation for Improving Soil Moisture Simulations Kun Yang (ITP, Chinese Academy of Sciences)
17:00-17:20	Paleoclimate: ESM Used in Understanding Geological Questions Zhongshi Zhang (IAP, Chinese Academy of Sciences)
17:20-17:40	China's Air Pollution: New Perspectives on Global Sources and Transport Jintai Lin (Peking University)
17:40-18:00	Unrealistic Treatment of Detrained Water Substance in FGOALS-s2 and its Influence on the Model's Climate Sensitivity Bian He (IAP, Chinese Academy of Sciences)
18:00-18:10	Closing Remarks
18:20	Banquet