

Agenda At A Glance

Time	Day 1 Thursday, July 12	Time	Day 2 Friday, July13	Day 3 Saturday, July14	Day 4 Sunday, July15	Time	Day5 Monday, July16
08:00-08:10	Opening Remarks(Ziniu XIAO)	08:10-10:10	Minghua ZHANG <i>Cloud Feedback and Relationship with Parameterizations of Boundary-Layer Turbulence and Shallow Convection in Atmospheric Models</i>	Theme 3. Application of Climate System Model in Climate Variability and Climate Change Research		08:00-09:20	Trainees Presentation & Discussion
Theme1. Introduction to Climate System Model				June-Yi LEE <i>Subseasonal Climate Predictability and Prediction</i>	Masaki SATOH <i>Introduction to Global Cloud Resolving Models</i>		
08:10-10:10	Guoxiong Wu, Yimin LIU <i>Understanding the Orography Impact on the Asian Monsoon Based on Numerical Modeling</i>						
10:10-10:30	Tea Break + Group Photo	10:00-10:20	Tea Break	Tea Break	Tea Break	09:20-09:35	Tea Break
10:30-12:30	Bin WANG <i>On Design of Finite-Difference Dynamical Core for Atmospheric Models</i>	10:20-12:20	Guangjun ZHANG <i>The Interaction of Convection and Large-scale Circulation and Its Parameterization in Climate and Numerical Weather Prediction Models</i>	Tianjun ZHOU <i>Lecture 1. Projection of Global Monsoon Changes: Uncertainty and the Underlying Mechanisms Lecture 2. Detection and attribution of Climate Changes in China</i>	Hailong LIU <i>The Development of Climate Ocean Model in LASG/IAP</i>	09:35-10:00	Closing
12:30	Lunch	12:20	Lunch	Lunch	Lunch		
Theme 2. Physical Process Scheme of Climate System Model		14:00-16:00	Lijuan LI <i>Brief Introduction to Grid-point Atmospheric Model of IAP LASG (GAMIL) and Coupled Model FGOALS-g Qing BAO <i>Grand Challenge on Climate Prediction</i></i>	Laurent LI <i>Climate Response to Earth Greening during the Last Three Decades</i>	Gianpaolo BALSAMO <i>A Roadmap to Earth System Modelling that Include Human Influence: Why & How Numerical Weather Prediction (NWP) Embrace Natural & Anthropogenic CO2 Emissions & Transport</i>		
14:00-16:00	Masahiro WATANABE <i>Weather and Climate Change Attribution Studies Using GCMs</i>						
16:00-16:15	Tea Break						
16:15-17:00	Bringing ideas together – Day 1	16:15-17:00	Bringing ideas together – Day 2	Bringing ideas together – Day 3	Bringing ideas together – Day 2		

2018 LASG Summer School on Climate System Model Development and Application

July 12-16, 2018

Meeting Room on the 12th Floor, New Building, Institute of Atmospheric Physics, Chinese Academy of Sciences

Day 1 (Thursday, July 12)				
AM		Chair: Anmin DUAN		
08:00-8:10	Opening Remarks (Ziniu XIAO)			
Theme1. Introduction to Climate System Model				
08:10-10:10	08:10-08:55	Lecture	Guoxiong WU Yimin LIU	Understanding the Orography Impact on the Asian Monsoon Based on Numerical Modeling
	08:55-09:05	Break		
	09:05-09:50	Lecture		
	09:50-10:10	Discussion		
10:10-10:30	Tea Break & Group Photo			
10:30-12:30	10:30-11:15	Lecture	Bin WANG	On Design of Finite-Difference Dynamical Core for Atmospheric Models
	11:15-11:25	Break		
	11:25-12:10	Lecture		
	12:10-12:30	Discussion		
12:30	Lunch			
PM		Chair: Tie DAI, Wenmin MAN		
Theme 2. Physical Process Scheme of Climate System Model				
14:00-16:00	14:00-14:45	Lecture	Masahiro WATANABE	Weather and Climate Change Attribution Studies Using GCMs
	14:45-14:55	Break		
	14:55-15:40	Lecture		
	15:40-16:00	Discussion		
16:00-16:15	Tea Break			
16:15-17:00	Bringing ideas together – Day 1			

Day 2 (Friday, July 13)				
Theme 2. Physical Process Scheme of Climate System Model				
AM		Chair: Xiaocong WANG, Wei CHEN		
08:00-10:00	08:00-08:45	Lecture	Minghua ZHANG	Cloud Feedback and Relationship with Parameterizations of Boundary-Layer Turbulence and Shallow Convection in Atmospheric Models
	08:45-08:55	Break		
	08:55-09:40	Lecture		
	09:40-10:00	Discussion		
10:00-10:20	Tea Break			
10:20-12:20	10:20-11:05	Lecture	Guangjun ZHANG	The Interaction of Convection and Large-scale Circulation and Its Parameterization in Climate and Numerical Weather Prediction Models
	11:05-11:15	Break		
	11:15-12:00	Lecture		
	12:00-12:20	Discussion		
12:20	Lunch			
PM		Chair: Weihua YUAN, Weipeng ZHENG		
14:00-16:00	14:00-15:00	Lecture	Lijuan LI	Brief introduction to Grid-point Atmospheric Model of IAP LASG (GAMIL) and Coupled Model FGOALS-g
	15:00-15:10	Break		
	15:10-16:10	Lecture	Qing BAO	Grand Challenge on Climate Prediction
16:10-16:25	Tea Break			
16:25-17:00	Bringing ideas together – Day 2			

Day 3 (Saturday, July 14)				
Theme 3. Application of Climate System Model in Climate Variability and Climate Change Research				
AM		Chair: Liwei ZOU, Wenting HU		
08:00-10:00	08:00-08:45	Lecture	June-Yi LEE	Subseasonal Climate Predictability and Prediction
	08:45-08:55	Break		
	08:55-09:40	Lecture		
	09:40-10:00	Discussion		
10:00-10:20	Tea Break			
10:20-12:20	10:20-11:05	Lecture 1	Tianjun ZHOU	Lecture 1: Projection of Global Monsoon Changes: Uncertainty and the Underlying Mechanisms
	11:05-11:15	Break		
	11:15-12:00	Lecture 2		Lecture 2: Detection and Attribution of Climate Changes in China
	12:00-12:20	Discussion		
12:20	Lunch			
PM		Chair: Jiandong LI, Xiaohao QIN		
14:00-16:00	14:00-14:45	Lecture	Laurent LI	Climate Response to Earth Greening during the Last Three Decades
	14:45-14:55	Break		
	14:55-15:40	Lecture		
	15:40-16:00	Discussion		
16:00-16:15	Tea Break			
16:15-17:00	Bringing ideas together – Day 3			

Day 4 (Sunday, July 15)				
Theme 3. Application of Climate System Model in Climate Variability and Climate Change Research				
AM		Chair: Yiyuan LI, Peihua QIN		
08:00-10:00	08:00-08:45	Lecture	Masaki SATOH	Introduction to Global Cloud Resolving Models
	08:45-08:55	Break		
	08:55-09:40	Lecture		
	09:40-10:00	Discussion		
10:00-10:20	Tea Break			
10:20-12:20	10:20-11:05	Lecture	Hailong LIU	The Development of Climate Ocean Model in LASG/IAP
	11:05-11:15	Break		
	11:15-12:00	Lecture		
	12:00-12:20	Discussion		
12:20	Lunch			
		Chair: Bian HE, Lixia ZHANG		
14:00-16:00	14:00-14:45	Lecture*	Gianpaolo BALSAMO	A Roadmap to Earth System Modelling that Include Human Influence: Why & How Numerical Weather Prediction (NWP) Embrace Natural & Anthropogenic CO2 Emissions & Transport
	14:45-14:55	Break		
	14:55-15:40	Lecture*		
	15:40-16:00	Discussion		
16:10-16:25	Tea Break			
16:25-17:00	Bringing ideas together – Day 4			

Lecture- Dr. Gianpaolo Balsamo will give a lecture remotely.*

Day 5 (Monday, July 16)			
AM		Chair: Anmin DUAN	
08:00-09:20	Trainees Presentation & Discussion		
	08:00-08:20	Mudassar IQBAL	Air Temperature Trends during 1965-2014 over the Source Region of the Yellow River and Its Sub-basins
	08:20-08:40	Tianying LIU	A Study of North Pacific Interdecadal Variability and Its Potential Dynamical Mechanism
	08:40-09:00	Xiangyu GUO	Variations in the Start, End, and Length of Extreme Precipitation Period across China
	09:00-09:20	Jinping WANG	Arctic Sea Level Variability: Observations and Simulation
09:20-09:35	Tea Break		
09:35-10:00	Closing		

*** Day 5 venue: Keyanlou Meeting Room 101**