

**The 10th "General Circulation Model Simulations of
the East Asian Climate (EAC)" Workshop**

East Asian Monsoon in the warming climate

18-20 August, 2009

Yinchuan, Ningxia Province, China

Organized by

- State Key Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical Fluid Dynamics (LASG), Institute of Atmospheric Physics (IAP), Chinese Academy of Sciences (CAS)

Sponsored by

- State Key Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical Fluid Dynamics (LASG), IAP, CAS
- Ministry of Science and Technology of China
- The National Basic Research Program (973 Program) "Ocean-Atmosphere Interaction over the Joining Area of Asia and Indian-Pacific Ocean (AIPO) and Its Impact on the Short-Term Climate Variation in China" Project

Program

Morning, 18 Aug. 2009

Opening 8:30-8:40		
Chair: Huang-Hsiung Hsu		
Session 1: Monsoon Variability on various time-scales		
Chairs: Huang-Hsiung Hsu and Jianping Li		
08:40-09:05 (invited)	Jianping Li	Some discussions on monsoon onset
09:05-09:20	Cheng-Ta Chen	Monsoon onset in a changing climate
09:20-09:35	Ruiqiang Ding	Predictability of the Madden-Julian oscillation
09:35-09:50	Jau-Ming Chen	Combined effects of monsoon and tropical cyclone on rainfall variability in Taiwan
09:50-10:05	Chih-Cherng Hong	Decadal relationship between the North Atlantic Oscillation and cold surge frequency in Taiwan
10:05-10:25	Coffee break	
10:25-10:40	Huang-Hsiung Hsu	Issues related to monsoon variability
10:40-11:00	Discussion	
Session 2: Atmosphere-land-ocean interaction		
Chair: Tim Li		
11:00-11:25 (invited)	Tianjun Zhou	How well do atmospheric general circulation models simulate the Asian monsoon variability?
11:25-11:50 (invited)	Yimin Liu	Review of atmosphere-land interactions
11:50-14:00	Lunch break	

Afternoon, 18 Aug. 2009

Session 2 (continued): Atmosphere-land-ocean interaction		
14:00-14:25 (invited)	Weidong Yu	Oceanic preconditioning of the monsoon onset over Bay of Bengal
14:25-14:40	Jingyun Zheng	Land cover change in China during the last 300 years and its climate implications
14:40-14:55	Chia Chou	Response of tropical precipitation to a seasonal asymmetric forcing in the mid-Holocene
14:55-15:10	Xiouhua Fu	Impact of initial condition and air-sea coupling on the monsoon intraseasonal forecast
15:10-15:25	Rong-Shuo Cai	The transport variations of the source

		and adjacent area of Kuroshio
15:25-15:40	Masahide Kimoto	Decadal predictability of Pacific Decadal Oscillation
15:40-16:00	Coffee Break	
16:00-16:15	Tim Li	Some issues related to the role of atmosphere-ocean interactions in East Asian Climate
16:15-16:35	Discussion	
Session 3: Aerosol-cloud-monsoon interaction		
Chair: W.-C. Wang		
16:35-17:00 (invited)	Jianping Huang	Observation study of dust aerosol-cloud-precipitation interactions over East Asia
17:00-17:25 (invited)	J.-P. Chen	Physically-based three-moment bulk aerosol parameterization scheme and its application to aerosol-cloud interactions
17:25-17:40	Jiandong Li	The possible aerosol direct forcing on Asian summer monsoon: a model study
17:40-17:55	W.-C. Wang	Issues related to model simulation of aerosol direct and indirect effects
17:55-18:15	Discussion	

Morning, 19 Aug. 2009

Session 4: Monsoon prediction		
Chairs: Masahide Kimoto and Yong Luo		
08:30-08:55 (invited)	Yang Song	Simulation and prediction of the Asian monsoon climate by the NCEP Climate Forecast System
08:55-09:10	Shoji Kusunoki	Near future (2015-2039) projection of the East Asia summer monsoon by an atmospheric global model with 20-km grid
09:10-09:25	Lijuan Chen	Regionalization of interannual precipitation and temperature regimes and regional predictability of seasonal means over China
09:25-09:45	Coffee break	
09:45-10:00	John Fasullo	Global warming due to increasing absorbed solar radiation
10:00-10:15	Yong Luo	Issues related to monsoon prediction (tentative)
10:15-10:35	Discussion	
10:35-12:10	Chairs' reports and general discussion Chair: Guoxiong Wu	

20 Aug. 2009

07:30	Field trip
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EAC Committee

Co-coordinators

Huang-Hsiung Hsu and Jianping Li

Members

Chia Chou, Yihui Ding, Masahide Kimoto, Akio Kitoh, Jong-Seong Kug,

Tim Li, Yong Luo, Bin Wang, Wei-Chyung Wang, and Guoxiong Wu

Venue

Ningfeng Hotel

No. 6 Jiefang East Street, Xingqing, Yinchuan, Ningxia Province, China

宁丰宾馆

宁夏银川市解放东街6号

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Fees

The registration fee is \$80, including the proceedings, meals, reception and social activities.

The registration fee for the accompanying person is \$70, including the meals, reception and social activities.

The hotel is where the venue is, which charges 280RMB per night per room.

(Please inform the Workshop Secretariat of your check-in/out dates by 15 July, 2009.)

Travel tips

Yinchuan has a temperate continental arid climate. The average annual temperature is 9 °C. The city enjoys abundant sunshine, 2,800-3,000 hours a year. You are suggested bringing your sun-block, sunglasses and a hat. A big scarf that can cover your head and neck is useful in the desert. Eating more fresh vegetables and fruit will help ease the dryness of the city climate. It is also helpful to take some medicine with you just in case.

The day and night temperature difference can be up to 15 °C.

Weather averages for Yinchuan

Month	Jul	Aug	Sep
Avg high °C (°F)	29 (84)	28 (82)	23 (73)
Avg low °C (°F)	16 (61)	18 (64)	16 (61)
Rain cm (inches)	2.64 (1)	3.54 (1.4)	1.91 (0.8)

The field trip on 20th August will take you to **West Xia Imperial tombs** and **Shapotou**.

West Xia Kingdom (1038-1227) stands among the once powerful kingdoms, with its capital in Yinchuan shaded by Mt. Helan imperial forests. Its Imperial Tombs reflect the past glories culturally and militarily.

Shapotou, lies on the north bank of the Yellow River where it crosses the southeastern border of the Tengger Desert. Shapotou is regarded as one of the five most beautiful deserts in China, and is widely recognized as the Capital of Sand. Standing on the sand hill, one can see the desert extending to the north, and to the south, a boundless oasis.

Details about these attractions can be found at

<http://www.travelchinaguide.com/attraction/ningxia/yinchuan/>

More information about Yinchuan can be found at

<http://www.travelchinaguide.com/cityguides/ningxia/yinchuan/>

Please note that Yinchuan is a multi-nationality city including Han, Hui, Manchu, Mongolian, and Chaoxian peoples. Among them, the Hui people account for 26.3 percent of the total population and they have maintained the traditional folk customs and life style that are unique to other ethnic group. Pork, blood of all the animals, and fierce animals are taboos for Hui people of Yinchuan. Wine, alcohol and tobaccos are not allowed for Muslims, either.

Workshop Secretariat

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