

# ECCE Summer School for Advanced Study in Climate and Environment

July 30 - August 12, 2006, Beijing, China

## Schedule

### Sunday, July 30, 2006

08:30-10:00	Opening Ceremony Chairs: Prof. Ning Zeng, Prof. Bin Wang, Prof. Zhenghui Xie, Prof. Yongjiu Dai	
10:00-10:30	Break	
10:30-12:00	Chair: Prof. Ning Zeng	
10:30-12:00	Li: An introduction to atmospheric general circulation modelling	Dr. Laurent Li Email: li@lmd.jussieu.fr <a href="http://www.lmd.jussieu.fr/~li/homepage.html">http://www.lmd.jussieu.fr/~li/homepage.html</a>
12:00-13:30	Lunch Break	
13:30-17:00	Chair: Prof. Bin Wang (IAP)	
13:30-15:00	Zhang/Liu: LASG global ocean model	Dr. Xuehong Zhang Email: zxh@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/zhangxuehong.html">http://web.lasg.ac.cn/en/staff/zhangxuehong.html</a> Dr. Hailong Liu Email: lhl@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/liuhailong.html">http://web.lasg.ac.cn/en/staff/liuhailong.html</a>
15:00-15:30	Break	
15:30-17:00	Yang: Review of Land Surface Processes	Prof. Zong-Liang Yang Email: liang@mail.utexas.edu <a href="http://www.geo.utexas.edu/climate">http://www.geo.utexas.edu/climate</a>

### Monday, July 31, 2006

08:30-12:00	Chair: Prof. Zhenghui Xie	
08:30-10:00	X. Zeng: Satellite remote sensing and applications for hydrometeorology	Prof. Xubin Zeng Email: xubin@gogo.atmo.arizona.edu <a href="http://www.atmo.arizona.edu/personalpages/zeng/zeng.html">http://www.atmo.arizona.edu/personalpages/zeng/zeng.html</a>
10:00-10:30	Break	
10:30-12:00	N. Zeng: Discovery of the greenhouse effect and global warming	Prof. Ning Zeng Email: zeng@atmos.umd.edu <a href="http://www.atmos.umd.edu/~zeng">http://www.atmos.umd.edu/~zeng</a>
12:00-13:30	Lunch Break	
13:30-17:00	Chair: Prof. Yongjiu Dai	
13:30-15:00	A. Mariotti: The hydrological cycle: a challenge to climate modeling	Dr. Annarita Mariotti Email: annarita.mariotti@casaccia.enea.it <a href="http://clima.casaccia.enea.it/staff/mariotti/">http://clima.casaccia.enea.it/staff/mariotti/</a>
15:00-15:30	Break	
15:30-17:00	Zhang/Liu: LASG global ocean model	Dr. Xuehong Zhang Email: zxh@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/zhangxuehong.html">http://web.lasg.ac.cn/en/staff/zhangxuehong.html</a>

**Tuesday, August 1, 2006**

08:30-12:00 Chair: Prof. Bin Wang		
08:30-10:00	Zhang/Liu: LASG global ocean model	Dr. Xuehong Zhang Email: zXH@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/zhangxuehong.html">http://web.lasg.ac.cn/en/staff/zhangxuehong.html</a>
10:00-10:30 Break		
10:30-12:00	Yang: Review of Land Surface Processes	Prof. Zong-Liang Yang Email: liang@mail.utexas.edu <a href="http://www.geo.utexas.edu/climate">http://www.geo.utexas.edu/climate</a>
12:00-13:30 Lunch Break		
13:30-17:00 Chair: Prof. Ning Zeng		
13:30-15:00	H. Wang: Climate predictability	Prof. Huijun Wang Email: wanghj@mail.iap.ac.cn <a href="http://www.iap.ac.cn/html/teacher/whj.htm">http://www.iap.ac.cn/html/teacher/whj.htm</a>
15:00-15:30 Break		
15:30-17:00	H.Wang/D.B.Jiang: Paleoclimate	Prof. Huijun Wang Email: wanghj@mail.iap.ac.cn <a href="http://www.iap.ac.cn/html/teacher/whj.htm">http://www.iap.ac.cn/html/teacher/whj.htm</a> Dr. Dabang Jiang Email: jiangdb@mail.iap.ac.cn

**Wednesday, August 2, 2006**

8:30-12:00 Chair: Prof. Qiong Gao		
08:30-10:00	Li: An introduction to atmospheric general circulation modelling	Dr. Laurent Li Email: li@lmd.jussieu.fr <a href="http://www.lmd.jussieu.fr/~li/homepage.html">http://www.lmd.jussieu.fr/~li/homepage.html</a>
10:00-10:30 Break		
10:30-12:00	Cai: Dynamical amplification of climate sensitivity of the high latitude surface temperature in response to thermal forcing	Dr. Ming Cai Email: cai@met.fsu.edu <a href="http://www.met.fsu.edu/index.pl/personnel/faculty/cai">http://www.met.fsu.edu/index.pl/personnel/faculty/cai</a>
12:00-13:30 Lunch Break		
13:30-15:00 Chair: Prof. Laurent Li		
13:30-15:00	Wang, B.: Grid-point AGCM	Prof. Bin Wang Email: wab@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/wangbin.html">http://web.lasg.ac.cn/en/staff/wangbin.html</a>
15:00-15:30 Break		
15:30-17:00	Yang: Review of Land Surface Processes	Prof. Zong-Liang Yang Email: liang@mail.utexas.edu <a href="http://www.geo.utexas.edu/climate">http://www.geo.utexas.edu/climate</a>

**Thursday, August 3, 2006**

08:30-12:00 Chair: Prof. Ning Zeng		
08:30-10:00	Zhaohui Lin: IAP dynamical seasonal prediction system and its applications	Prof. Zhaohui Lin Email: lzh@mail.iap.ac.cn <a href="http://www.iap.ac.cn/htm/teacher/lzh.htm">http://www.iap.ac.cn/htm/teacher/lzh.htm</a>
10:00-10:30 Break		

10:30-12:00	Xie: A land surface parameterization scheme with a groundwater model for climate models and its applications	Prof. Zhenghui Xie Email: zxie@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/staff/xie/xie.htm">http://web.lasg.ac.cn/staff/xie/xie.htm</a>
12:00-13:30	Lunch Break	
13:30-15:00	Chair: Prof. Zongliang Yang	
13:30-15:00	Q. Gao: Land ecology	Prof. Qiong Gao Email: gaoq@bnu.edu.cn
15:00-15:30	Break	
15:30-17:00	Q. Gao: Land ecology	Prof. Qiong Gao Email: gaoq@bnu.edu.cn

### Friday, August 4, 2006

08:30-12:00	Chair: Prof. Ning Zeng	
08:30-10:00	R. Dickinson: Perspective on climate modeling	Prof. Robert Dickinson Email: robted@eas.gatech.edu <a href="http://climate.eas.gatech.edu/dickinson/">http://climate.eas.gatech.edu/dickinson/</a>
10:00-10:30	Break	
10:30-12:00	B. Wang (US): Status of climate prediction	Prof. Bin Wang Email: wangbin@hawaii.edu <a href="http://www.soest.hawaii.edu/~bwang">http://www.soest.hawaii.edu/~bwang</a>
12:00-13:30	Lunch Break	
13:30-15:00	Chair: Prof. Yongjiu Dai	
13:30-15:00	Wu/Liu: Numerical modeling of the impacts of Tibetan Plateau on Asian monsoon	Prof. Guoxiong Wu Email: gxwu@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/staff/gxwu/">http://web.lasg.ac.cn/staff/gxwu/</a> Dr. Yimin Liu Email: lym@lasg.iap.ac.cn
15:00-15:30	Break	
15:30-17:00	L.M. Zhou: Satellite remote sensing and applications for hydrometeorology	Liming Zhou Email: lmzhou@eas.gatech.edu <a href="http://climate.eas.gatech.edu/lzhou/">http://climate.eas.gatech.edu/lzhou/</a>

### Saturday, August 5, 2006

08:30-12:00	Chair: Prof. Yongjiu Dai	
08:30-10:00	Duan: Parameter Estimation and Data Assimilation in Land Surface Modeling	Prof. Qingyun, Duan Email: qduan@lnl.gov
10:00-10:30	Break	
10:30-12:00	Li: An introduction to atmospheric general circulation modelling	Dr. Laurent Li Email: li@lmd.jussieu.fr <a href="http://www.lmd.jussieu.fr/~li/homepage.html">http://www.lmd.jussieu.fr/~li/homepage.html</a>
12:00-13:30	Lunch Break	
13:30-17:00	Chair: Prof. Zhaohui Lin	
13:30-15:00	Dai and Wu: the Common land model and NCAR CCSM	Prof. Yongjiu Dai, Wanli Wu Email: yongjiudai@bnu.edu.cn wanliwu@sunray3.cgd.ucar.edu <a href="http://geog.bnu.edu.cn/167/tdaiyongjiu/">http://geog.bnu.edu.cn/167/tdaiyongjiu/</a>
15:00-15:30	Break	
15:30-17:00	Dai and Wu: the Common	Prof. Yongjiu Dai, Wanli Wu

	land model and NCAR CCSM	Email: yongjiudai@bnu.edu.cn wanliwu@sunray3.cgd.ucar.edu <a href="http://geog.bnu.edu.cn/167/tdaiyongjiu/">http://geog.bnu.edu.cn/167/tdaiyongjiu/</a>
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### Monday, August 7, 2006

08:30-12:00 Chair: Dr. Jiping Liu		
08:30-10:00	T. Li (Hawaii): Coupled ocean-atmosphere	Prof. Tim Li Email: timli@hawaii.edu <a href="http://iprc.soest.hawaii.edu/people/li.html">http://iprc.soest.hawaii.edu/people/li.html</a>
10:00-10:30	Break	
10:30-12:00	T. Li (Hawaii): Coupled ocean-atmosphere	Prof. Tim Li Email: timli@hawaii.edu <a href="http://iprc.soest.hawaii.edu/people/li.html">http://iprc.soest.hawaii.edu/people/li.html</a>
12:00-13:30	Lunch Break	
13:30-17:00 Chair: Prof. Yongqiang Yu		
13:30-15:00	D. Chen: Regional Climate and Downscaling	Dr. Deliang Chen Email: deliang@gvc.gu.se <a href="http://www.gvc.gu.se/ngeo/deliang/deliang.htm">http://www.gvc.gu.se/ngeo/deliang/deliang.htm</a>
15:00-15:30	Break	
15:30-17:00	D. Chen: Regional Climate and Downscaling	Dr. Deliang Chen Email: deliang@gvc.gu.se <a href="http://www.gvc.gu.se/ngeo/deliang/deliang.htm">http://www.gvc.gu.se/ngeo/deliang/deliang.htm</a>

### Tuesday, August 8, 2006

08:30-12:00 Chair: Prof. Zhenghui Xie		
08:30-10:00	D. Chen: Regional Climate and Downscaling	Dr. Deliang Chen Email: deliang@gvc.gu.se <a href="http://www.gvc.gu.se/ngeo/deliang/deliang.htm">http://www.gvc.gu.se/ngeo/deliang/deliang.htm</a>
10:00-10:30	Break	
10:30-12:00	Dong: IPCC climate projection for China	Dr. Wenjie Dong Email: dwj@tea.ac.cn
12:00-13:30	Lunch Break	
13:30-17:00 Chair: Dr. Hailong Liu		
13:30-15:00	Y. Yu: Coupled GCM in LASG/IAP modeling climate variability in China	Dr. Yongqiang Yu Email: yyq@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/yuyongqiang.html">http://web.lasg.ac.cn/en/staff/yuyongqiang.html</a>
15:00-15:30	Break	
15:30-17:00	Y. Yu: Coupled GCM in LASG/IAP modeling climate variability in China	Dr. Yongqiang Yu Email: yyq@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/yuyongqiang.html">http://web.lasg.ac.cn/en/staff/yuyongqiang.html</a>

### Wednesday, August 9, 2006

08:30-12:00 Chair: Prof. Tianjun Zhou		
08:30-10:00	Jiping Liu: Polar climate variability and modeling	Dr. Jiping Liu Email: jliu@lasg.iap.ac.cn
10:00-10:30	Break	
10:30-12:00	Xie: A land surface parameterization scheme with a groundwater model for climate models and its applications	Prof. Zhenghui Xie Email: zxie@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/staff/xie/xie.htm">http://web.lasg.ac.cn/staff/xie/xie.htm</a>

12:00-13:30	Lunch Break	
13:30-17:00	Chair: Prof. Zhenghui Xie	
13:30-15:00	Student presentation	
13:30-13:40	太阳天顶角对沙漠、戈壁下垫面热状况的影响	Bao Yan Email: byan@lzb.ac.cn
13:40-13:50	Analysis and modeling on Xinjiang's climatic shift from a warm-dry pattern to warm-wet one during the second half of 20th century	Chang Wenyan Email: changwy@mail.iap.ac.cn
13:50-14:00	大尺度陆面模型及其汇流模拟框架	Chen Feng Email: fengfengabc001@163.com
14:00-14:10	西南低涡统计方法及其与长江中下游降水关系的探讨	Chen Yan Email: minjz@nuist.edu.cn
14:10-14:20	中国近海海气界面热通量研究	Chu Jianting Email: cjtqd@yahoo.com.cn
14:20-14:30	海螺沟冰川对气候变化的响应	Fan Jihui Email: fanjihui-80@163.com
14:30-14:40	中国华南和华北降水的尺度律特征	Gong Zhiqiang Email: gzq0929@126.com
14:40-14:50	Estimation of CO <sub>2</sub> exchange between maize field and atmosphere	Guo Jianxia Email: gjx@cams.cma.gov.cn; gjx01@sina.com
14:50-15:00	Comparison study between the monthly-scale and the seasonal-scale regional climate simulation	Hu Yijia Email: Huni_bnu@126.com
15:00-15:30	Break	
15:30-17:00	Student presentation/posters	
15:30-15:40	台风Winnie (1997) 影响下海浪的数值模拟研究	Jiang Xiaoping Email: Jiangxp1981@gmail.com
15:40-15:50	Changes of summertime extreme precipitation under decadal climate variability scenario in East China	Li Hongmei Email: lihm@mail.iap.ac.cn
15:50-16:00	水平分辨率对祁连山区降水模拟影响的初步分析	Li Suosuo Email: liss@lzb.ac.cn
16:00-16:10	Improving the vegetation dynamic simulation in a land surface model by using a statistical-dynamic canopy interception scheme	Liang Miaoling Email: mlliang@mail.iap.ac.cn
16:10-16:20	Improvements of a dynamic global vegetation model and simulations of carbon and water at an upland-oak forest	Mao Jiafu Email: maojiafu@mail.iap.ac.cn
16:20-16:30	长江中下游南北两支雨带	Peng Huaqing

	的年代际变化	Email: minjz@nuist.edu.cn
16:30-16:40	Numerical modeling of cumulus convection	Peng Lili Email: pengll05@mails.gucas.ac.cn
16:40-16:50	A global microwave radiation stability survey using SSM/I brightness temperature	Shi Chunxiang Email: cshi@mail.iap.ac.cn
16:50-17:00	A new water and heat transfer model in the frozen and thaw soil	Song Liye Email: ysong@mail.iap.ac.cn

### Thursday, August 10, 2006

08:30-12:00 Chair: Prof. Yongjiu Dai		
08:30-10:00	Zeng: Earth system modeling	Prof. Ning Zeng Email: zeng@atmos.umd.edu <a href="http://www.atmos.umd.edu/~zeng">http://www.atmos.umd.edu/~zeng</a>
10:00-10:30	Break	
10:30-12:00	Student presentation/posters	
10:30-10:40	Applying the ensemble Kalman filter method to the near surface soil moisture data assimilation: formulation and evaluation	Tian Xiangjun Email: tianxj@mail.iap.ac.cn
10:40-10:50	The study about methods and scale problems of multi-sources remote sensing monitoring on land-use/cover change	Wang Chanjuan Email: rabbit_wang@126.com
10:50-11:00	海陆表面温差对东亚夏季风年代际变化的影响	Wu Zhiyan Email: minjz@nuist.edu.cn
11:00-11:10	The land use model coupled with ecological process	Xu Xia Email: xuxia@ires.cn
11:10-11:20	Application of a coupled land surface model and hydrologic model for large scale basins	Yang Chuanguo Email: ychg@mail.iap.ac.cn
11:20-11:30	Influence of climatic changes on animal husbandry disaster in Xilinhaote city	Yang Huijuan Email: yanghuijuan@ires.cn
11:30-11:40	Influence of the Indian Ocean warm pool variability on the spring precipitation in China	Yang Yuxing Email: yangyx@ouc.edu.cn
11:40-11:50	Estimation of spatial-temporal distribution of the depth to shallow groundwater table in China	Yuan Xing Email: xyuan@mail.iap.ac.cn
11:50-12:00	Progress of SEA in China	Zhang Jie Email: zhangjie_rn@163.com
12:00-13:30	Lunch Break	

13:30-17:00 Chair: Prof. Ning Zeng		
13:30-15:00	Student presentation/posters	
13:30-13:40	东亚夏季风北界指数及其对中国东部雨带的影响	Zhang Man Email: minjz@nuist.edu.cn
13:40-13:50	基于非饱和土壤水流模型及地面观测的土壤湿度数据同化方案	Zhang Shenglei Email: zhangsl@mail.iap.ac.cn
13:50-14:00	Comparison between SDS and Delta methods to generate climate scenarios in headwater of the Yellow River	Zhao Fangfang Email: zhfang2003@126.com
14:00-14:10	The interannual and interdecadal variability of the AAM circulation analysis	Zhao Jinghua Email: zhaojinghua@ouc.edu.cn
14:10-14:20	Extreme precipitation by high resolution RegCM3 over East Asia	Zheng Jing Email: jzheng@mail.iap.ac.cn
14:20-14:30	Classifying plant species into plant functional types in an ecological model of typical steppe in Inner Mongolia of China	Zhu Yujie Email: zhuyujie@ires.cn

### Friday, August 11, 2006

08:30-12:00 Chair: Prof. Ning Zeng		
08:30-10:00	T. Zhou: ocean-atmosphere interactions in coupled models	Dr. Tianjun Zhou Email: zhoutj@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/zhoutianjun.html">http://web.lasg.ac.cn/en/staff/zhoutianjun.html</a>
10:00-10:30	Break	
10:30-12:00	T. Zhou: ocean-atmosphere interactions in coupled models	Dr. Tianjun Zhou Email: zhoutj@lasg.iap.ac.cn <a href="http://web.lasg.ac.cn/en/staff/zhoutianjun.html">http://web.lasg.ac.cn/en/staff/zhoutianjun.html</a>
12:00-	End of school	