

## **2012 Annual Yale-NUIST Center Workshop**

南信大-耶鲁大学大气环境中心 2012 年年会

**Room 321, Kroon Hall, Yale University**

**Monday, July 2**

8:30 Welcome / Gordon Geballe, Associate Dean, Yale University School of Forestry and Environmental Studies

欢迎词 / Gordon Geballe, 耶鲁大学森林与环境学院副院长

9:00 Workshop logistics / Xuhui Lee

会议议程 / 李旭辉

9:05 [Update on Yale-NUIST Center activities](#) / Shoudong Liu

中心的进展和展望 / 刘寿东

### **Session 1: Lake-Atmosphere Interactions: the Case of Lake Taihu**

太湖-大气相互作用

9:25 [CH<sub>4</sub>, CO<sub>2</sub> and H<sub>2</sub>O fluxes at the lake-air interface based on the gradient-diffusion method](#) / Wei Xiao

动量、热量、水汽交换系数的空间变化规律 / 肖薇

9:50 [Temporal and spatial variations of radiation and energy balance components](#) / Wei Wang

辐射和能量平衡分量的的时空动态 / 王伟

10:35 Coffee break

10:45 [A coupled WRF-Lake model](#) / Yongwei Wang

WRF-湖模块的耦合模型 / 王咏薇

11:20 [Temporal dynamics and regulation of ecosystem metabolism in a large eutrophic freshwater lake](#) / Zhenghua

Hu

大型富营养化浅水湖泊生态系统新陈代谢的时空动态规律 / 胡正华

12:00 Lunch break

12:40 Tour of Kroon Hall green design features / David DeFasco, Yale FES Communication Director

参观 Kroon Hall 环保功能 / David DeFasco, 耶鲁大学森林与环境学院宣传部主任

## **Session 2: Trace Gases and Pollutants in the Atmosphere: Observations**

大气微量气体和污染物：实验研究

1:30 [Methane emission from living trees](#) / Kris Covey, Yale FES doctoral student

树木为甲烷排放源 / Kris Covey, 耶鲁大学森林与环境学院博士生

2:05 [Constraining anthropogenic CH<sub>4</sub> emission in Nanjing and YRD using atmospheric CO<sub>2</sub> and CH<sub>4</sub> mixing ratios](#) /

Dong Yang

用大气甲烷和二氧化碳浓度计算南京和长三角的甲烷排放量 / 杨栋

2:40 Transformation of atmospheric aerosols by biogenic emissions / Yan Ma

生物源对大气气溶胶演变的作用 / 马嫣

3:15 Coffee break

3:25 [Seasonal and interannual variations of ozone in the lower and middle troposphere over East Asia](#) / Chenhong

Zhou

东亚上空对流层臭氧的年季变化特征 / 周晨虹

4:00 [Impact of anthropogenic emissions on tropospheric nitrogen dioxide over Eastern China](#) / Jianping Huang

人为源对中国东部上空对流层的二氧化氮的影响 / 黄建平

4:35 [A field study on organic particulate matter influenced by mixed biogenic and anthropogenic emissions](#) / Qi

Zhang, Associate Professor, University of California at Davis

生物源和人为源对大气有机微粒的影响 / 张琦, 加州大学戴维斯分校副教授

6:00 Dinner at TGI Fridays, 2335 Dixwell Avenue Hamden, CT; 203-407-0111

**Tuesday, July 3**

**Session 3: Impacts of Land Use on Local and Regional Climate**

土地利用对局地气候的影响

8:30 [Biophysical effects of deforestation on surface climate](#) / Mi Zhang

伐林对地表气候的生物物理影响 / 张弥

9:05 [Detection of surface temperature change caused by urbanization in the Yangtze River Delta](#) / Xiaoyan Zhao

长三角城市化对地表温度的影响 / 赵小艳

9:40 [The Canadian Global Air Quality Modeling/Forecasting System](#) / Tiangliang Zhao

加拿大全球空气质量模拟/预报系统 / 赵天良

10:15 Coffee break

10:25 [Effect of a water body on its surrounding air temperature](#) / Yangyang Qiu

水体对周边气温的影响 / 邱阳阳

**Session 4: Trace Gases and Pollutants in the Atmosphere: Modeling**

大气微量气体和污染物：模型研究

11:00 [Historical cropland expansion effects on the short-lived climate forcers](#) / Nadine Unger, Assistant Professor,

Yale University

耕地扩张对短寿命气候胁迫因子的影响 / Nadine Unger, 耶鲁大学助理教授

11:35 [Coupled WRF-CHEM-GHG modeling system for the Yangtze River Delta](#) / Yiwei Diao

WRF-CHEM-GHG 的耦合模型及在长三角的应用 / 刁一伟

12:10 Lunch break

2:00 Yale campus tour

参观耶鲁校园

### **Session 5: General Discussion**

讨论

4:00 Yale-NUIST research seminar series in Nanjing / Zhen Xu

教育部和江苏省创新团队讲座系列 / 徐珍

4:30 Project ideas / Zhiqiu Gao

国家重大项目申请计划 / 高志球

5:00 Closing remarks / Zhiqiu Gao & Xuhui Lee

总结 / 高志球 & 李旭辉

6:00 Dinner at the Lee Residence, 18 Crestview Dr, North Haven, CT; 203-288-1205

**Wednesday, July 4**

8:00 Tour of the Great Mountain Forest and the Yale Forestry Camp, Norfolk, Connecticut

参观耶鲁大学 Great Mountain Forest 野外教学和实验基地