



FIRST U.S.-CHINA SYMPOSIUM ON METEOROLOGY: MESOSCALE METEOROLOGY AND DATA ASSIMILATION



26–28 February, 2008
National Weather Center, Norman, Oklahoma

GOALS

Define the State of Knowledge in the Two Countries for Mesoscale Meteorology and Data Assimilation
Identify the Most Important Challenges for the Next Decade

CONVENERS

President of The University of Oklahoma (former
U.S. Senator David L. Boren)
Director of the Institute of Atmospheric Physics
of the Chinese Academy of Sciences (Professor
Huijun Wang)

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SCIENTIFIC STEERING COMMITTEES

United States – Co-Chairs Peter Lamb and Lance Leslie (The University of Oklahoma), Greg Holland, Richard Johnson, John LeMarshall, David Stensrud
China – Co-Chairs Gongbing Peng and Sixiong Zhao (Chinese Academy of Sciences), Academician Qing-Cun Zeng, Johnny Chan, Zhaoui Lin, Yunfeng Luo, Jiang Zhu

THEMES

Observations of Mesoscale Phenomena—with emphasis on analysis and quality control of unique data sets (from field programs) and the merging of data from multiple sensors (radar, surface mesonet, satellite, rawinsonde).

Theory of Mesoscale Phenomena—with emphasis on waves and instabilities (edge waves, gravity waves, conditional symmetric instability, etc).

Data Assimilation Techniques and Mesoscale Applications—with emphasis on ensemble Kalman filtering and 4-D variational methods and use of non-traditional observations.

Simulation of Mesoscale Phenomena—with emphasis on contemporary models (e.g., WRF and leading Chinese model) and ensemble forecasting systems.

Forecasting of Mesoscale Phenomena—with emphasis on events that threaten public safety (e.g., tornadoes, tropical storms, derechos, hail storms, flash flooding, dust storms, blizzards, ice storms).

Connections between Mesoscale Phenomena, Regional Climate, and Larger-Scale Circulation—with emphasis on hydrologic cycle (including extremes) and use of regional networks and modeled and reanalysis data.

The Symposium is the first in a series. A second Symposium focusing on Regional Climate Variability will be held in Beijing in 2010 or 2011.

For further information, please visit the Web site: <http://www.cimms.ou.edu> or contact the Symposium Co-Chairs: Peter Lamb (1-405-325-3041, plamb@ou.edu), Gongbing Peng (gbpeng@accsoft.com.au, penggongbing@2911.net), Lance Leslie (1-405-325-0596, lmleslie@ou.edu), Sixiong Zhao (zhaosx@mail.iap.ac.cn, zhaosx2003@163.com).