

Land-Atmosphere-Ocean Interactions

**Fall Showcase 2005**

November 30, 2005

Palo Verde Room Student Union Memorial Center

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**Lunch**

*(approx. 1 hour)*

Redington Restaurant

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**Opening Remarks**

**Welcome**

Michael Brunke

**How to improve model physics**

Xubin Zeng

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**Short Presentations**

*(5 min. each)*

**Comparison of the three global precipitation data sets**

Koichi Sakaguchi

**Specific humidity inversions**

Steven Stegall

**Comments on the diagnosis of the monsoon circulations in Asia and North America**

Er Lu

**Sensitivity of the NCEP/NOAH land surface model to a new fractional vegetation cover dataset**

Jesse Miller

**The use of a newly-released two-stream radiative transfer model within vegetation canopies**

Zhuo Wang

**MODIS maximum snow albedo applied to WRF**

Michael Barlage

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**Further Discussion of Short Presentations**

*(10-15 min.)*

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**Break**

*(20-30 min.)*

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**Feature Presentations**

*(30 min. each)*

**An empirical formulation of soil ice fraction based on in situ observations**

Mark Decker

**The differences between air and skin temperatures over Tibetan Plateau**

Cindy Wang

**Bifurcation and spatial pattern in semiarid ecosystem**

David Zeng

**The marine atmospheric boundary layer in the eastern Pacific and its simulation in climate models**

Michael Brunke