

Land-Atmosphere-Ocean Interactions

Fall Showcase 2006

November 10, 2006

San Pedro Room

Student Union Memorial Center

Lunch

(approx. 1 hour)

Redington Restaurant

Opening Remarks

Welcome

Michael Brunke

and

Xubin Zeng

Feature Presentations

(30 min. each)

**The implementation of a prognostic skin
sea surface temperature scheme in CAM3**

Michael Brunke

**Mean topography, rainfall, and circulation
patterns over eastern Africa**

Alaa Mohamed Ali

**Sensitivity of carbon storage in trees to
climate**

April Chiriboga

Analysis of MODIS snow albedo data

Zhuo Wang

Break

(15 min.)

Feature Presentations (cont'd)

**A new form of the Richards equation for
vertical soil water movement in land
models**

Xubin Zeng

Short Presentations

(10 min. each)

Creating an active layer depth data set

Mark Decker

**Toward a real-time NDVI-based green
vegetation fraction from AVHRR and
MODIS**

Michael Barlage

**EnKF versus EnSRF for land data
assimilation**

Shuwen Zhang

**Carbon cycles in semi-arid land by CLM-
DGVM: the first step**

Koichi Sakaguchi

Specific humidity inversions

Steven Stegall

Further Discussion of Short Presentations

(if time remaining)