

Land-Atmosphere-Ocean Interactions

Showcase 2010/11

January 14, 2011

Room 504

PAS Building

9:00 am	Michael Brunke and Xubin Zeng	<i>Opening Remarks</i>
9:30 am	Rafael Rosolem	An overview of the Cosmic-ray Soil Moisture Observing System (COSMOS)
9:55 am	Jason Ninneman	COSMOS in Walnut Gulch
10:10 am	Suzy Stillman	Interpreting COSMOS data under varying weather conditions
10:25 am	Trenton Franz	Characterizing dryland surface hydrological dynamics using ecohydrological modeling and geophysical observations
10:50 am	Brad Christofferson	Interactions between hydrological boundary conditions and root parameterizations and their effects on ecosystem productivity in CLM
11:15 am	Guo-Yue Niu	The role of re-infiltration of overland flow on vegetation dynamics in a semiarid catchment
11:40 am	Kira Kiviat	A physically-based model for river flow forecasting
12:00 pm	Redington Restaurant	<i>Lunch</i>
1:30 pm	Xubin Zeng	Land surface evaporation from reanalysis and modeling
1:55 pm	Aihui Wang	Sensitivities of terrestrial water cycle simulations to the variations of precipitation and air temperature in China

2:20 pm	Bill Scheftic	Monsoon precipitation in the Verde Basin of Northern Arizona under the IPCC scenarios
2:45 pm	Gabriel Moreno	Motivating a comparison of canopy CO₂ flux tower measurements with Community Land Model outputs
3:00 pm	Zhuo Wang	The impact of temporal resolution and vertical layers on the multi-model intercomparison
3:25 pm	Koichi Sakaguchi	Temporal and spatial scale dependence of the AOGCM hindcasts of surface temperature trends
3:50 pm	Michael Brunke	An intercomparison of ocean surface turbulent fluxes in 11 global products