

Land-Atmosphere-Ocean Interactions

**Showcase 2011/12**

January 18, 2012

San Pedro Room Student Union Memorial Center

9:00 am	Michael Brunke and Xubin Zeng	<b>Opening Remarks</b>
9:30 am	Xubin Zeng	<b>Surface skin temperature and the interplay between sensible and ground heat fluxes</b>
9:55 am	Greg Barron-Gafford <i>Biosphere 2</i>	<b>Temperature and precipitation controls over leaf- and ecosystem-level CO<sub>2</sub> flux along a woody plant encroachment gradient</b>
10:20 am		<b>Break</b>
10:30 am	Brad Christofferson	<b>Plant water availability in vegetation models applied to Amazonia: The role of root water uptake functions under contemporary and simulated drought conditions</b>
10:55 am	Gabriel Moreno	<b>CLM free drainage</b>
11:20 am	Er Lu <i>Nanjing University</i>	<b>Response of regional precipitation to warming: A general understanding</b>
11:35 am	Koichi Sakaguchi	<b>Scale dependency of the surface air temperature trend in CMIP3 and CMIP5 ensembles</b>
12:00 pm	Redington Restaurant	<b>Lunch</b>
1:30 pm	Karen Rivas	<b>Analysis of CMIP5 models versus observational data of precipitation</b>
1:45 pm	Paul Shao	<b>Carbon cycle change from past through present to future: some results from CMIP5</b>

2:10 pm	Kerrie Geil	<b>Evaluation of the suitability of HadGEM2-ES CMIP5 output for dynamic downscaling using the WRF Regional Model</b>
2:35 pm		<b><i>Break</i></b>
2:45 pm	Michael Brunke	<b>Tropospheric specific humidity inversions in three CMIP5 models</b>
3:10 pm	Bill Scheftic	<b>High-resolution analog-based ensemble precipitation forecasts for driving probabilistic streamflow forecasts</b>
3:35 pm	Suzy Stillman	<b>Spatiotemporal distribution of soil moisture over the Walnut Gulch Experimental Watershed</b>