

CGD SEMINAR



DATE: **Friday**, 8 March, 2013

TIME: 3:30 p.m.

LOCATION: Mesa Lab, Main Seminar Room
NCAR, 1850 Table Mesa Drive

SPEAKER: Jielun Sun, NCAR

TITLE: Another Look at Turbulence
Parameterization at the Bottom of
the Atmosphere

ABSTRACT:

By analyzing the Cooperative Atmosphere-Surface Exchange Study in 1999 (CASES-99), turbulence at a given height is found to be dominant by large eddies under near neutral conditions. These large eddies scale with the observation height and are closely related to the bulk shear between the ground and the observation height. The relationship between turbulence strength, local shear, and the bulk shear suggests a new way to parameterize turbulence at the bottom of the atmosphere.

Seminars are live webcast: <http://www.fin.ucar.edu/it/mms/ml-live.htm>

* Refreshments are served before seminar. *

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