MMM/RAL/JNT JOINT SEMINAR

Local Land-Atmosphere Interaction: Will Clouds Form?

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Local land-atmosphere coupling involves the interactions between the land-surface and the atmospheric boundary layer (ABL), and in turn with the free atmosphere above. Initiation of fair-weather cumulus requires an increase in relative humidity at the ABL top, and depends on a number of processes, some opposing each other. Those processes include the evolution of surface fluxes, sub-surface heat and moisture transport, surface-layer turbulence, boundary-layer development, and warm- and dry-air entrainment into the ABL from the free atmosphere above. Following an analytical development, we use modeling and observational data sets to examine this question.

This seminar will be webcast live at:
http://www.fin.ucar.edu/it/mms/fl-live.htm

Recorded seminar link can be viewed here:
https://www.mmm.ucar.edu/events/seminars

Thursday, 12 July 2018, 3:30 PM (RESCHEDULED From June 14)
Refreshments 3:15 PM
NCAR-Foothills Laboratory
3450 Mitchell Lane
Bldg. 2, Main Auditorium, Room 1022