

MMM SEMINAR SERIES



Improving Initial Conditions for High-Resolution Ensembles with High-Resolution Data Assimilation and “Blending”

Craig Schwartz
NCAR/MMM

This presentation will show how high-resolution ensemble precipitation forecasts can be improved through a combination of high-resolution data assimilation and a “blending” method that combines large scale fields from a coarse global model with small scale fields from high-resolution analyses when generating initial conditions. I will also discuss how blending can be used in conjunction with continuously cycling data assimilation systems to potentially obviate the need for annoying, yet effective, “partial cycling” data assimilation approaches, which are currently used to initialize many limited-area modeling systems, including those at NCEP.

Thursday, 29 September 2022, 2:00pm

Refreshments 1:45pm

Please also join colleagues for refreshments and informal discussion after the seminar until 3:30pm

NCAR-Foothills Laboratory, 3450 Mitchell Lane
FL2-1022, Large Auditorium

Seminar will also be live webcast

<https://operations.ucar.edu/live-mmm>

Participants may ask questions during the seminar via Slido.