

**Experimentation and Development of Physical Parameterizations for Numerical Weather Prediction Using a Single-Column Model and the Common Community Physics Package (CCPP)**

Short Course Organizer  
Ligia Bernardet  
AMS Committee on Weather Analysis and Forecasting  
Sunday, January 12, 2010

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8:00 AM	Opening and introductions	Ligia Bernardet, CU/CIRES at NOAA/GSD, Boulder, CO
8:15 AM	The Global Model Test Bed single-column model: overview and available meteorological cases	Grant Firl, NCAR, Boulder, CO
8:45	The Common Community Physics Package: overview and available physics suites	Dom Heinzeller, CU/CIRES at NOAA/GSD, Boulder, CO
9:15	Hands-on exercises	Laurie Carson, NCAR, Boulder, CO
10:00	Break	
10:30	Hands-on exercises	Laurie Carson, NCAR, Boulder, CO
11:45	Wrap-up	Ligia Bernardet, CU/CIRES at NOAA/GSD, Boulder, CO
12:00	Course ends	

\*Students will use their ssh-enabled laptops to log in to cloud computing services and run experiments using the Global Model Testbed single-column model forced with a number of datasets focused on specific meteorological phenomena. Students will be able to run the model with a variety of physics suites and with different configurations of a given suite. They will analyze and interpret the impact of the physical changes on the predictions, gaining an understanding of physical processes and model development.

\*\*All speakers will assist students during hands-on exercises.