EdGCM LIT Teacher Training Workshop

American Meteorological Society
Summer Training in Green Bay, Wisconsin
June 26 – June 29, 2011

Instructors:
Dr. Mark Chandler
Columbia University and NASA/Goddard Institute for Space Studies

Agenda

8:00  Introductions and statement of expected outcomes

8:15  Climate change research in the classroom
  • Introduction to Global Climate Models
  • Introduction to Educational Global Climate Modeling (EdGCM)

9:45  Climate modeling concepts
  (boundary conditions, control runs, forcings vs. feedbacks, output variables)

10:15 BREAK

10:30  - Running NASA’s climate model simulations using EdGCM
  - Post-processing GCM output with EdGCM
  - Scientific Visualization using EVA (EdGCM Visualization Application)

12:00 LUNCH BREAK

1:00  EdGCM Exercise: Simulating Global Warming

3:00  Adjourn