

## 2008 ARM Science Team Meeting

The Sheraton Norfolk Waterside Hotel on the banks of the Elizabeth River in Norfolk, Virginia, hosted the 18th Annual ARM Science Team Meeting on March 10-14, 2008. The meeting attracted 270 ARM researchers, ARM Climate Research Facility (ACRF) infrastructure members, and leading scientists from 10 countries around the world, including China, Japan, Australia, Niger, Africa, France, and Germany.

The ARM annual meeting is an opportunity for researchers to meet face-to-face and review progress on climate research, organize field campaigns, and plan future directions. The 2008 meeting began on Monday with an orientation given by Chief Scientist Dr. Warren Wiscombe, overview presentations on the various ACRF components, and in-depth breakout sessions for working groups.

Plenary sessions and poster presentations on Tuesday and Wednesday featured opening remarks by Dr. Kiran Alapaty (ARM Science Director) and Dr. Wiscombe. Dr. Alapaty announced the appointment of Dr. Anna Palmisano as the new Associate Director for the DOE Office of Biological and Environmental Research, then presented the projected ARM science budget for fiscal year (FY) 2009 and FY 2010. He also related that 28 proposals had been funded in FY 2008, with 10 new recipients, and reminded participants to watch for the FY 2009 solicitation for ARM research in early April.

Dr. Wiscombe summarized ARM and ACRF accomplishments since the last meeting. These include the publication of seven papers in the *Bulletin of the American Meteorological Society*; the formation of three new focus groups – vertical velocity, longwave/microwave, and surface fluxes; joining the National Science Foundation's Center for Collaborative Adaptive Sensing of the Atmosphere (CASA; see <http://casa.ece.uprm.edu/>); and participation in the first radar-lidar conference during the American Meteorological Society's annual meeting.

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The Southern Great Plains (SGP) site was well represented at the Science Team Meeting this year. Dan Rusk (operations manager), Dan Nelson (facilities manager) and Daniel Hartsock (assistant site scientist) all attended and submitted posters related to activities at the SGP. Dan Nelson was among the select group of winners of the Chief Scientist Award for poster design (Figure 1).



Figure 1. Dan Nelson (right) shows off his award-winning poster. Among 178 entries, only 20 received the acclaimed Chief Scientist Award (photo courtesy of Dan Rusk).

## CLASIC Workshop Held in Oklahoma

Back in June 2007, ACRF led multi-agency field campaign at the SGP, called the Cloud and Land Surface Interaction Campaign (CLASIC; see the June 2007 *SGP Newsletter*). On March 26-27, 2008, the Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) at the University of Oklahoma in Norman, Oklahoma, hosted a workshop for CLASIC participants.

This recent CIMMS workshop (Figure 2) was chaired by CLASIC principal investigator Mark Miller of Rutgers University in New Jersey. The purpose was to discuss the availability and quality of data collected during the CLASIC field campaign, review initial results, and coordinate follow-up research efforts. The workshop agenda included presentations and discussions of topics of general interest to the CLASIC community.



Figure 2. Participants listen intently during the CLASIC workshop held at CIMMS at the University of Oklahoma on March 26-27, 2008 (ARM photo).

A key consideration of the 20-member workshop group was a potential future experiment to address CLASIC science questions that remained when flooding in Oklahoma in June 2007 compromised aspects of the campaign.

Despite the record-setting rainfall during CLASIC, several science objectives related to cloud property measurements were attained. The CIMMS workshop participants reviewed the following results:

- High-quality data sets of fair-weather cumulus, stratus, and deep convection collected by aircraft — the ER-2, Twin Otter, Duke Helicopter, and others.
- High-quality data from two prototype radar systems.
- Detailed measurements of surface fluxes and land surface characteristics at multiple sites around the SGP domain, along with data from a complementary experiment sponsored by the DOE Atmospheric Science Program — the Cumulus Humilis Aerosol Processing Study (CHAPS; see <http://asp.labworks.org/>) — targeting aerosol processing in cumulus clouds.