



Theme of the Year 2008

GEOPHYSICAL TURBULENCE PHENOMENA

Boulder, Colorado - February - August 2008

National Center for Atmospheric Research, Boulder, Colorado

Observing the Turbulent Atmosphere: Sampling Strategies, Technology and Applications

28 - 30 May 2008, NCAR Mesa and Foothills Laboratories

The measurement of turbulence, along with the enabling sensor technologies, spans many areas in geophysical turbulence research.

Measurements of turbulence in laboratory experiments and in observations of natural flows are crucial for elucidating the basic structure of fluid motions; the discovering of new characteristics of a fluid; guiding theoretical studies; and providing empirical data to compare against modeling results.

The purpose of this workshop is to bring together scientists and engineers for lectures and discussions on these cross-cutting aspects.

Sessions and Keynote Speakers

■ Measurements to support applications

Jakob Mann, Risø National Laboratory / DTU, Denmark

■ Measurements to support modeling

Harm Jonker, Department of Multi-Scale Physics, Delft University of Technology, The Netherlands

■ Measurements to support phenomenological studies

Andreas Muschinski, Dept. of Electrical and Computer Engineering, University of Massachusetts at Amherst

■ Sampling strategies

Hans Peter Schmid, Institute of Meteorology and Climate Research, Research Center Karlsruhe (FZK/IMK-IFU), Germany

■ Technology

Harindra (Joe) Fernando, Department of Mechanical and Aerospace Engineering, Arizona State University, Tempe

Registration

For registration and additional information on this workshop please visit the Theme of the Year webpage (www.image.ucar.edu/Workshops/TOY2008/focus3).

Registration deadline is April 25, 2008. Space is limited to 60 participants.
Early registration is encouraged

Theme of The Year 2008 (www.image.ucar.edu/ThemeOfTheYear/2008/)



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