Damon Room, NCAR Mesa Laboratory
Meeting Agenda

Wednesday August 5

8:45-9:00 Opening remarks

9:00-9:55 James Riley
   On the dynamics of turbulent/non-turbulence interfaces in stably-stratified fluids

10:00-10:55 Joseph Werne
   Parameter-dependent morphology in Kelvin-Helmholtz layers
   and their implications for modeling stratified turbulence
   
   Coffee Break

11:20-12:05 Yukio Kaneda
   Length scales in turbulent flows

Outdoor observations (a working lunch)

13:30-14:25 James McWilliams
   Oceanic submesoscale dynamics: Dense filament frontogenesis & arrest by boundary layer turbulence

14:30-15:25 Subhas Karan Venayagamoorthy
   A framework for the prediction of turbulent diapycnal mixing in stably stratified geophysical flows
   
   Coffee Break

15:55-16:50 David Richter
   How far upscale does a dispersed phase influence turbulence?

Reception Mesa Lab Cafeteria

18:30 Bus departs for the hotel
Thursday August 6

9:00-9:55  Peter Davidson  
*Planetary dynamos driven by helical waves*

10:00-10:55  Boris Galperin  
*Turbulence and waves on a westward jet - an experimental study*

**Coffee Break**

11:20-12:15  Stephen Belcher  
*The diurnal cycle of the ocean surface boundary layer*

**Outdoor observations (a working lunch)**

13:30-14:25  Charles Meneveau  
*Synchronization of chaos in fully developed turbulence*

14:30-15:25  Harm Jonker  
*The prediction horizon of convective boundary layers*

**Coffee Break**

15:55-16:50  Gabriel Katul  
*Co-spectral budgets link energy distributions in eddies to bulk flow properties*

18:30  Dinner The Med
20:30  Bus departs for the hotel

Friday August 7

8:45-9:40  John Finnigan  
*Canopy-boundary layer coupling in convectively unstable flows: A tale of interacting instabilities*

9:45-10:40  Andreas Muschinski  
*Optical turbulence: from first principles to working models*

**Coffee Break**

11:00-11:55  Yoshiyui Tsuji  
*Large and small scale interaction of pressure in turbulent boundary layers*

**Outdoor observations (a working lunch)**

13:10-14:05  Stephen de Bruyn Kops
Classical scaling and intermittency in strongly stratified Boussinesq turbulence

14:10-15:05 Michael Waite  
Physical- and eddy-viscosity effects in simulations of stratified turbulence

15:10-15:30 Esa-Matti Tastula  
Insights into the performance of the QNSE-EDMF scheme in stable and unstable conditions

End-of-Meeting

Up-the-hill-Refreshments Tree Plaza

17:00 Bus departs for the hotel