

# **Workshop on The Parameterization of the Atmospheric Boundary Layer**

*UCLA Conference Center  
Lake Arrowhead, California, USA  
14-16 June 2005*

Organizers: João Teixeira (NRL/NURC), Bjorn Stevens (UCLA), Ric Cederwall (LLNL) and Chris Bretherton (UW)

Sponsors: NASA and ONR

## Workshop Agenda

### **Monday, June 13<sup>th</sup> 2005**

16:00 - Check-In  
18:30 – 20:00 Dinner  
20:00 - CPT-PBL meeting

### **Tuesday, June 14<sup>th</sup> 2005**

8:40 – 9:00 – Welcoming address: why are we here?

Session I: Climate and weather prediction models – Chair: James Doyle, NRL

9:00 – 9:40 Boundary layers and weather prediction – Anton Beljaars, ECMWF  
9:40 – 10:20 Boundary layers and climate prediction – Chris Bretherton, U. Washington  
10:20 – 10:40 Coffee break

Session II: Boundary Layers over the ocean – Chair: Chin-Hoh Moeng, NCAR

10:40 – 11:20 Stratus/Stratocumulus boundary layers – Adrian Lock, UKMO  
11:20 – 12:00 Cumulus boundary layers – Bruce Albrecht, U. Miami

12:00 – 13:20 Lunch

13:20 – 14:00 Deep convection and the boundary layer – David Randall, CSU  
14:00 – 14:40 Air-sea interactions – Chris Fairall, NOAA ETL  
14:40 – 15:10 Coffee break  
15:10 – 15:50 Mixed-layer parameterizations - Bjorn Stevens, UCLA  
15:50 – 16:30 Mass-flux parameterizations – Pier Siebesma, KNMI

16:30 – 18:30 Free time.

18:30 – 20:00 Dinner

20:00 - Formal poster session

### **Wednesday, June 15<sup>th</sup> 2005**

#### Session III - Boundary layers over land – Chair: Ric Cederwall

9:00 – 9:40 Stable boundary layers – Bert Holtslag, Wageningen Univ

9:40 – 10:20 Convective boundary layers –Jordi Villa, Wageningen Univ

10:20 – 10:40 Coffee break

10:40 – 11:20 Interaction with the land-surface – Alan Betts, Atmos. Res.

11:20 – 12:00 Boundary layers and orography – Andy Brown, UKMO

12:00 – 13:40 Lunch

13:40 – 14:20 Eddy-diffusivity closures and numerical aspects – Joao Teixeira, NRL/NURC

14:20 – 15:00 Higher-order closures and cloud parameterizations– C. Golaz,NRL/V.Larson,UWM

15:00 – 15:30 Coffee break

15:30 – 18:00 Working groups meet separately

18:30 - Dinner

20:30 - Working group meetings (if necessary)

### **Thursday, June 16<sup>th</sup> 2005**

#### Working groups and recommendations

9:00 – 10:00 Plenary session: final summary and recommendations

10:00 – 10:30 Coffee break

10:30 – 12:00 Plenary session: final summary and recommendations

12:00 – 13:00 Lunch