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 13th 2005

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

Tuesday, June 14th 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
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 15th 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 16th 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