

# CCSM Ocean Model Working Group Meeting

## 10 – 11 December 2008

### Walter Orr Roberts Board Room, NCAR Mesa Lab

*Webcast Instructions:* To join the meeting via Webcast, go to [www.cesm.ucar.edu/vnc](http://www.cesm.ucar.edu/vnc) anytime during the meeting. The password is irac96%#

*Web browser requirements:* To view the webcast, users must use either Firefox or Netscape, or Internet Explorer with Java installed.

***Telephone Conferencing Instructions:***  
*Dial this access number: 1-866-740-1260*  
*Enter this access code - 4971358*

*Walter Orr Roberts Board Room location:* This conference room is located in the Fleischmann Building, which is the small, pink building across from the Mesa Lab parking lot. Please follow the sign to the Board Room that is near the sidewalk.

#### **Wednesday, 10 December 2008**

08:15 – 08:40 *Coffee, pastries*

08:40 – 08:50 [Welcome and Meeting Overview](#) Co-chairs

#### ***CURRENT STATUS OF CCSM4***

08:50 – 09:10 [CCSM4 / AR5 update](#) Peter Gent

09:10 – 09:20 Discussion

#### ***BEYOND CCSM4***

09:20 – 09:40 [Inertial Mixing Parameterization](#) Markus Jochum

09:40 – 10:00 [Langmuir Mixing Parameterization](#) Baylor Fox-Kemper

10:00 – 10:20 [Spatially Varying Thickness/Isopycnal Diffusivities](#) Synte Peacock

10:20 – 10:50 *Break*

10:50 – 11:10 [Overflow Parameterization \(GCE CPT\)](#) Bruce Briegleb

11:10 – 11:30 [Proposed Changes to the Time-Averaged Model Output](#) Nancy Norton

11:30 – 12:00 [POP / HYPOP Update](#) Mark Petersen

12:00 – 12:30 Discussion

12:30 – 13:40 *Lunch*

13:40 – 14:00 [Science Talk: Ordovician Simulations](#) Jeff Kiehl

**SHORT-TERM (DECADAL) PREDICTABILITY AND OCEAN**

- 14:00 – 14:20 [Introduction and CLIVAR Perspective](#) Jim Hurrell  
14:20 – 14:40 [Decadal Forecasts with CCSM](#) Peter Gent  
14:40 – 15:00 [Predictability and Ocean Initialization](#) Joe Tribbia
- 15:00 – 15:30 *Break*
- 15:30 – 15:50 [Pacific Predictability](#) Grant Branstator  
15:50 – 16:10 [Sea-ice Predictability from Seasons to Centuries](#) Marika Holland  
16:10 – 16:20 Discussion
- 16:20 – 16:40 [Science Talk: Ocean Heat and Freshwater Exchanges  
And their Inter-annual to Decadal Variability](#) Bill Large
- 17:00 – 18:30 **RECEPTION** – Damon Room, Mesa Lab (beer, wine, and snacks provided)

**Thursday, 11 December 2008**

- 08:15 – 08:30 *Coffee, pastries*
- 08:30 – 08:50 [Science Talk: Improvement of the NPIW in CCSM](#) Kazuhiro Misumi

**FINE RESOLUTION CCSM AND GRAND CHALLENGE SIMULATIONS**

- 08:50 – 09:20 [GC Update](#) Julie McClean  
09:20 – 09:40 [High Resolution Tracer Studies](#) Frank Bryan  
09:40 – 10:00 Discussion

**WESTERN BOUNDARY CURRENT REPRESENTATIONS IN CLIMATE MODELS**

- 10:00 – 10:20 [Science Talk: The Nonlinear Connection between  
Labrador Sea Buoyancy Loss, DWBC Strength, and  
Gulf Stream Path in an Ocean Circulation Model](#) Steve Yeager
- 10:20 – 10:40 CLIVAR WBC Working Group Meeting / Discussion LuAnne Thompson
- 10:40 – 11:00 *Break*

**OTHER UPDATES AND NUMERICAL ISSUES**

- 11:00 – 11:20 [NRCM Update](#) Jon Wolfe  
11:20 – 11:40 [A Cautionary Tale of Persistent Accumulation of  
Numerical Error](#) Matthew Hecht
- 11:40 – 12:00 [Science Talk: Greenland Ice-Sheet Melting and MOC](#) Aixue Hu
- 12:00 – 12:30 GENERAL DISCUSSION
- 12:30 Adjourn