

IAPSO Session PS011 at IUGG Perugia July 2007-03-23

PS011: Fundamental Physical and Chemical Principles underlying Ocean Science

Room = Library, Academy of Fine Arts.

Monday 2nd July AM second session: (chair Trevor McDougall)

1. “Will Slowing of the MOC warm or cool Europe?” by Doron Nof (**Invited, 30 mins**)
2. “Thermodynamic Efficiency of the Oceans” by Remi Tailleux (**Invited, 30 mins**)
3. “Baroclinic instability over topography: Eddy formation near the West coast of Greenland” by Annalisa Bracco. (15 mins)
4. “Polarizations of the oceanic surface flow” by Shane Elipot, (15 mins)

Monday 2nd July PM, first session, (chair Peter Brewer)

5. “Deep Ocean CO₂ Hydration Kinetics Fundamental Rate Measurements” by Edward Peltzer, (**Invited, 30 mins**)
6. “A new look at the conductivity-density relationship for Seawater” by Frank Millero, (15 mins)
7. “Absolute Salinity versus Practical Salinity and other proposed revisions to Seawater Thermodynamics such as the equation of state” by Trevor McDougall (15 mins)
8. “The Raman Signal of Water in Seawater” by Rachel Dunk (15 mins)
9. “On Acoustic Volume Backscattering by Antarctic Zooplankton at 38 and 150 kHz using ADCPS Echo Data” by Michele Baques and Silvia Blanc (15 mins)

Monday PM second session. We do not need this slot

Poster session for PS011 (one poster only)

1. “Statistical Characteristics of Diurnal Variation in Hydrochemical Parameters” by Olya Shevtsova.