

ONR LASP & HIRES DEPARTMENT RESEARCH INITIATIVE PEER REVIEW

24-26 September 2013
EMBASSY SUITES, MONTEREY CA

Tuesday, 24 September 2013

8:00 Registration & Check-in
Reviewer panel to meet with ONR Codes 03R & 322

DRI: Littoral Air-Sea Processes

9:00 *Introduction – Dr. Daniel Eleuterio & Dr. Scott Harper, ONR Code 32*

9:30 **Zhang, Chidong** UNIVERSITY OF MIAMI RSMAS
“Assisting ONR Littoral Air-Sea Processes DRI”

10:00 **Williams, Steve** NCAR
“Dynamo Data Management and Operations Support”

10:30 **Zappa, Chris** COLUMBIA UNIVERSITY
*“Ocean Surface Skin Temperature Variability Response to
Atmosphere-Ocean Interaction during Active and Suppressed Phases
of an MJO”*

11:00 **Chen, Shuyi** UNIVERSITY OF MIAMI RSMAS
*“Aircraft Measurements for Understanding Air-Sea Coupling and
Improving Model Predictions over the Indian Ocean”*

11:30 **Brewer, Alan** NOAA
*“Analysis of Low Level Winds Measured by a Ship-Mounted, High
Resolution Doppler Lidar during the Dynamics of the Madden
Julian Oscillation (DYNAMO) Experiment”*

12:00 **LUNCH**

1:00 **Wang, Qing** NAVAL POST GRADUATE SCHOOL
“Air-Sea Interaction in DYNAMO/LASP from NOAA WP-3D”

- 1:30** **Khelif, Djamal** UC-IRVINE
"Aircraft Measurements for Understanding Air-Sea Coupling and Improving Coupled Model Predictions"
- 2:00** **Chen, Sue** NRL
"Coupled COAMPS Extended Range MJO Prediction"
- 2:30** **Flatau, Maria** NRL
"MJO Initiation and Atmosphere Ocean Interaction during DYNAMO"
- 3:00** **BREAK**
- 3:30** **Jensen, Tommy** NRL
"Air-Sea Interaction and Ocean Response from COAMPS During DYNAMO"
- 4:00** **Shinoda, Toshi** TEXAS A&M
"Upper Ocean Variability in the Indian Ocean associated with the MJO: Satellite observations and COAMPS experiments"

Wednesday, 25 September 2013
DRI: Littoral Air-Sea Processes

- 8:30** **Moum, Jim** OREGON STATE UNIVERSITY
"Subsurface Fluxes beneath Large-Scale Convective Centers in the Indian Ocean"
- 9:00** **Edson, Jim** UNIVERSITY OF CONNECTICUT
"An Investigation of Turbulent Heat Exchange in the Subtropics"
- 9:30** **de Szoeke, Simon** OREGON STATE UNIVERSITY
"Ship Observations of Tropical Convection, the Boundary Layer, And Upper-Ocean Air-Sea Interaction"
- 10:00** **Pinkel, Rob** UCSD-SCRIPPS
"Surface Waves, Internal Waves, and the Stability of the Diurnal Surface Layer"
- 10:30** **BREAK**
- 10:30** **Melville, Ken** UCSD-SCRIPPS
"Ship-Based UAV Measurements of Air-Sea Interaction Processes In the Equatorial Indian Ocean"
- 11:00** **Skyllingstad, Eric** OREGON STATE UNIVERSITY
"Large-Eddy Simulations of Tropical Convective Systems, the Boundary Layer, and Ocean Coupling"
- 11:30** **Nick Cavanaugh** UCSD-SCRIPPS (Art Miller)
"Predictability and Coupled Dynamics of MJO during DYNAMO"
- 12:00** **LUNCH**
- 1:00** **Seo, Hyodae** WHOI
"Predictability and Coupled Dynamics of MJO during DYNAMO"
- 1:30** **END OF FORMAL REVIEW**
- 2:00** **FY 14 LASP ANALYSIS & PLANNING**

Thursday, 26 September 2013
DRI: HIGH RESOLUTION AIR-SEA INTERACTION PROCESSES

9:00 **INTRODUCTION: DR. Scott Harper, Code (ONR 322) & Dr. Linwood Vincent (NRL MRY)**

9:30 **Melville, Ken** UCSD-SCRIPPS
"Surface Waves, Wave Breaking, and Wave-Modulated Air-Sea Fluxes"

10:15 **Terrill, Eric** UCSD-SCRIPPS
"X-Band Observations of Waves, Algorithm Development, and Validation"

11:00 **Liu, Yumin** MIT (Dick Yue)
"High-Resolution Measurement-Based Phase-Resolved Prediction Of Ocean Wavefields"

11:30 **Sullivan, Peter** NCAR
"Turbulent Flow and Large Surface Wave Events in the Marine Atmospheric Boundary Layer"

12:00 **LUNCH**

1:00 **Graber, Hans** UNIVERSITY OF MIAMI
"High Resolution Surface Characterization from Marine Radar Measurements"

1:30 **Khelif, Djamal** UC-IRVINE
"Wind and Wind Stress Measurements in HiRes"

2:00 **Janssen, Tim** THEISS RESEARCH
"Observations and Modeling of Ocean Wave Statistics"

2:30 **Hristov, Tihomir** JOHNS HOPKINS UNIVERSITY
"Structure and Dynamics of a Boundary Layer over Surface Waves"

3:00 **Wang, Qing** NPS
"Meteorological Measurements on R/V Sproul during HIREs"