

2012 Ocean Sciences Meeting

20 – 24 February 2012 · Salt Lake City, Utah, USA

PROGRAM ADDENDUM

This addendum reflects any changes relevant to the meeting schedule and the scientific program that came about after the printing of the Conference Program. Revisions to the scientific program are noted and organized by day.

MISCELLANEOUS ADDITIONS and CHANGES TO THE CONFERENCE PROGRAM (As of 21 February 2012)

Revised Information

EVW01– Science Journalism: From Ship to Shore to the News (Workshop)

Wednesday, 22 February, 12:30 – 14:00

Room 150 A, B, C, G

Organizers: Cheryl Lyn Dybas, National Science Foundation, cdybas@nsf.gov

Lost World Discovered Near Antarctic Vents. Sea Cucumbers: Dissolving Coral Reefs? Seawater Won't Halt Burmese Python Invasion. These headlines introduced recent marine science news stories. Did these articles attract readers? If so, what's the secret to their success? David Conover, NSF Division Director for Ocean Sciences, will offer opening thoughts on communicating about the ocean sciences. Participants in this workshop will learn how to present science in an interesting way while retaining factual accuracy — the key to good science communication and science journalism. Science journalism aims to transmute scientific concepts and results from jargon-based language often understandable only by scientists, to news relevant to the lives of general readers (listeners/viewers). The workshop explores science writing for a non-scientific audience. Participants will review examples of good science writing from newspapers like the New York Times and Washington Post, and news magazines like Science News and New Scientist; “dissect” the structure of science news and feature articles; discuss how popular coverage of science has changed in recent years; and learn the basics of science journalism.

Revised Information

EVW11 - Communicating the Broader Impacts of your Research using Visual Tools - A Workshop for Graduate Students

Wednesday, 22 February, 18:00 – 21:00 (Light snacks will be provided.)

Room 251 A, B, D, E

Organizer: COSEE – Pacific Partnerships Contact, Coral Gehrke, cgehrke@uoregon.edu

One of the keys to communicating your work with any audience is making your science relevant and interesting. Whether you are trying to communicate to policy and decision makers, school groups, undergraduates, or public audiences, concept maps and other visual tools can help you organize your work into themes for communicating. This workshop, designed for graduate students, will introduce techniques and online tools for identifying and communicating the big ideas behind your work in ways that make it relevant and interesting without over simplifying it. Participants will identify important audiences, map out key components of their work, and develop strategies for communicating with their maps. Participants in previous workshops have created presentations for their graduate committees, developed tools for communicating to K-12 teachers, developed communication strategies with policy makers, and come to better understand how their work fits in to their colleagues work. We encourage workshop participants to register at <http://www.surveymonkey.com/s/OSM2012>. For more information visit: <http://www.coseepacificpartnerships.org>.

SCIENTIFIC PROGRAM REVISIONS BY DAY

Monday, 20 February – Oral Sessions

048 Ocean Surface Boundary Layers

10:30 Hughes, P. J.; Bourassa, M. A.; INFLUENCE OF SST ON SURFACE WINDS: BAROCLINIC VS. STABILITY IMPACTS (Abstract ID: 11868) - Presenting Author Changed

085 Development of a Global Ocean Biogeochemical Observing System Based on Profiling Floats and Gliders

08:45 D'Asaro, E. A.; Perry, M. J.; Lee, C.; Cetinic, I.; Alkire, M.; Poulton, N.; Sieracki, M.; THE EVOLUTION OF PATCH OF THE NORTH ATLANTIC BLOOM (Abstract ID: 9776) - Presentation Re-instated/Presenting Author Changed

086 Climate Change Impacts on Living Marine Resources

11:00 Marinov, I.; Bernardello, R.; Russell, J.; Goodman, P. J.; RESPONSE OF OCEAN ECOLOGY TO CLIMATE CHANGE: AN INITIAL IPCC AR5 EARTH SYSTEM MODEL INTER-COMPARISON (Abstract ID: 12775) – Presentation Time/Type Revised

121 Remote Sensing of the Coastal Ocean using Hyperspectral and Geostationary Satellite Imagers

Szekiolda, K. H. 35 - See page 163 of the pdf version of the program book:

<http://www.sgmeet.com/osm2012/files/osm2012-pgm-web.pdf>

14:30 Szekiolda, K. H.; Moses, W.; Bowles, J.; Corson, M.; Bennert, E.; Li, R. R.; Eutrophication and Suspended Matter in the Yangtze River Effluent and Hangzhou Bay Observed with the Hyperspectral Imager for the Coastal Ocean (Hico) (Abstract Id:10602) – First author not indexed in the printed version of the program book.

137 Biodiversity, Biogeochemistry and Ecology: Establishing Linkages Between Molecular Diversity and Ecosystem Functioning

11:30 Neibauer, J.; Bridoux, M. C.; Ingalls, A. E.; Nunn, B. L.; Keil, R.; COMPARATIVE METAPROTEOMIC CHARACTERIZATION OF MARINE PARTICULATE PROTEINS IN PRODUCTIVE SHELF WATERS AND OLIGOTROPHIC OFFSHORE WATERS. (Abstract ID: 10725) – Presentation Time/Type Revised

146 Zooplankton Feeding Ecology and the Biological Carbon Pump in the Ocean

09:15 Tiselius, P.; Hansen, B. W.; Calliari, D.; ZOOPLANKTON AS TRANSFORMERS: FATTY ACID CONTENT AND CONVERSION FROM SESTON TO BENTHOS (Abstract ID: 10278) – Presentation Time/Type Revised

09:30 Hudson, J. M.; Steinberg, D. K.; Sutton, T. T.; Graves, J. E.; FEEDING ECOLOGY AND CARBON TRANSPORT OF DIEL VERTICALLY MIGRATING MYCTOPHIDS FROM THE NORTHERN MID-ATLANTIC RIDGE (Abstract ID:9573) – Presentation Not Included in Session 146 in Printed Program Book

09:45 Cass, C. J.; Daly, K. L.; Wakeham, S. G.; FEEDING ECOLOGY AND METABOLISM OF EUCALANUS INERMIS IN THE EASTERN TROPICAL PACIFIC OCEAN: IMPLICATIONS FOR VERTICAL CARBON TRANSPORT (Abstract ID:10839) – Presentation Not Included in Session 146 in Printed Program Book

See pdf version of the program book (<http://www.sgmeet.com/osm2012/files/osm2012-pgm-web.pdf>) for revised author indexing for talks listed at 9:30 and 9:45 above.

004 The Southern Ocean and Its Role in the Climate System

B2057 Swift, J. H.; Orsi, A. H.; A CTD/HYDROGRAPHIC SECTION ACROSS 67°S IN THE FAR SOUTH PACIFIC OCEAN (Abstract ID:9979) - Poster Withdrawn

006 Advances in Coastal Ocean Modeling, Analysis, and Prediction

B1226 Melling, G. J.; Dix, J. K.; Turnock, S. R.; Whitehouse, R. J.; NUMERICAL MODELLING OF SCOUR USING CFD-BASED METHODS – APPROACHES AND CHALLENGES (Abstract ID:11080) - Poster Withdrawn

B1240 Zong, H.; Ding, P.; MODELING STUDY OF TEMPERATURE STRUCTURE IN JINPU BAY (Abstract ID: 11311) - Poster Withdrawn

B1241 Cross, S. L.; Harding, J. M.; Parsons, A. R.; Logan, K.; RETROSPECTIVE ACCESS TO OPERATIONAL U.S. OCEAN MODEL PRODUCTS THROUGH THE OCEANNOMADS SYSTEM (Abstract ID: 11986) – Presenting Author Changed

014 Ocean De-oxygenation and Coastal Hypoxia in a Changing World

B0954 Goggins, L.; DETERMINING EGG HATCHING SUCCESS OF ACARTIA TONSA UNDER CONTROLLED HYPOXIC AND NORMOXIC CONDITIONS (Abstract ID: 10562) – Poster Withdrawn

036 COSEE: Using Evaluation to Measure the Impacts of Education/Outreach

B0668 Whitley, L. N.; Tuddenham, P.; Bishop, T.; COSEE-WEST ONLINE WORKSHOPS: HELPING SCIENTISTS BRING THEIR RESEARCH TO BROADER AUDIENCES. (Abstract ID: 10091) – Presenting Author Changed

045 Oceanic Oxygen Content: Observed Physical and Chemical Processes and Climate Related Changes in the Past, Present and Future

B1578 Griggs, G. L.; Schoepfer, S. D.; Ward, P. D.; Henderson, C. M.; SPATIAL AND TEMPORAL VARIABILITY IN PERMIAN AND TRIASSIC COASTAL UPWELLING ALONG WESTERN NORTH AMERICA: EVIDENCE FROM THE CANADIAN ROCKIES (Abstract ID:12567) - Poster Withdrawn

068 Air-Sea Interactions in Western Boundary Current Systems and Marginal Seas

B1898 Usui, N.; Tsujino, H.; Nakano, H.; LONG-TERM VARIABILITY OF THE KUROSHIO LARGE MEANDER (Abstract ID: 10747) – Poster Withdrawn

072 Plankton Phenology: Drivers, Variability and Impacts

A0432 Genin, A.; Lindemann, Y.; Zarubin, M.; Kolesnikov, I.; ABANDONING SVERDRUP'S CRITICAL DEPTH? PERHAPS, BUT FOR A DIFFERENT REASON (Abstract ID: 12093) - Poster Withdrawn

086 Climate Change Impacts on Living Marine Resources

A0450 Marinov, I.; Bernardello, R.; Russell, J.; Goodman, P. J.; RESPONSE OF OCEAN ECOLOGY TO CLIMATE CHANGE: AN INITIAL IPCC AR5 EARTH SYSTEM MODEL INTER-COMPARISON (Abstract ID:12775) - Poster Withdrawn

109 Integrating Oceanography and Animal Tracking - The Ocean Tracking Network

B1621 Broell, F.; Noda, T.; Wright, S.; Domenici, P.; Steffensen, J.; Taggart, C.; FINE-SCALE BEHAVIOUR IN FISH: ACCELERATION SIGNATURES AND THE EFFECT OF SAMPLING FREQUENCY (Abstract ID:10501) – Poster Reinstated After Withdrawal

121 Remote Sensing of the Coastal Ocean Using Hyperspectral and Geostationary Satellite Imagers

B1291 Palacios, S. L.; Peterson, T. D.; Sosik, H. M.; Kudela, R. M.; DISCRIMINATING PHYTOPLANKTON TAXA STARTING FROM FIRST PRINCIPLES OF AQUATIC OPTICS AND ENDING AT REMOTE SENSING IMAGERY (Abstract ID: 10128) - Poster Withdrawn

124 New insights into the early life stages and reproductive dynamics of large marine vertebrates

A0456 Lamkin, J. T.; Muhling, B.; Carillo, L.; Roffer, M.; Nero, W.; Habtes, S.; A COMPARISON OF LARVAL BLUEFIN TUNA HABITAT IN THE NORTHERN GULF OF MEXICO AND WESTERN CARIBBEAN (Abstract ID: 9948) – Poster Withdrawn

126 Links Between Estuarine and Coastal Processes

B1657 Wu, H.; Zhu, J.; Shen, H.; Wang, H.; TIDAL MODULATION ON THE CHANGJIANG RIVER PLUME IN SUMMER (Abstract ID: 9494) – Poster inadvertently listed among orals in the program book.

137 Biodiversity, Biogeochemistry and Ecology: Establishing Linkages Between Molecular Diversity and Ecosystem Functioning

A0507 Neibauer, J.; Bridoux, M. C.; Ingalls, A. E.; Nunn, B. L.; Keil, R.; COMPARATIVE METAPROTEOMIC CHARACTERIZATION OF MARINE PARTICULATE PROTEINS IN PRODUCTIVE SHELF WATERS AND OLIGOTROPHIC OFFSHORE WATERS. (Abstract ID: 10725) – Poster Withdrawn

146 Zooplankton Feeding Ecology and the Biological Carbon Pump in the Ocean

A0614 Tiselius, P.; Hansen, B. W.; Calliari, D.; ZOOPLANKTON AS TRANSFORMERS: FATTY ACID CONTENT AND CONVERSION FROM SESTON TO BENTHOS (Abstract ID: 10278) – Poster Withdrawn

173 Ocean Surface Waves and Interactions with Currents and Winds

B1513 Buckley, M.; Veron, F.; LABORATORY STUDY OF THE WIND STRUCTURE OVER SURFACE WAVES (Abstract ID: 12726) – Poster Withdrawn

002 ASLOMP Student Symposium

09:00 Watkins, J. A.; Arnott, S.; Roumillat, W.; Hein, J.; Williams, A.; HEALTH ASSESSMENT AND SEX RATIO OF THE AMERICAN EEL, ANGUILLA ROSTRATA, IN THE SOUTH CAROLINA TRIBUTARIES (Abstract ID: 10372) – Presentation Withdrawn

016 Dynamics and Observations of Submesoscale Oceanic Processes

15:15 Lelong, M. P.; Birch, D. A.; Sundermeyer, M. A.; SUBMESOSCALE LATERAL DISPERSION IN FLOWS DOMINATED BY INTERNAL WAVES (Abstract ID: 10867) – Presentation Withdrawn

029 Sediment Transport and Deposition in Lakes, Estuaries, and Shallow Shelves

09:30 Storlazzi, C. D.; Field, M. E.; Draut, A. E.; Hoeke, R. K.; UNDERSTANDING THE DELIVERY, RESIDENCE TIME, AND ADVECTION OF FLUVIAL SEDIMENT OUT OF A CORAL REEF-LINED EMBAYMENT THROUGH EMPIRICAL OBSERVATIONS AND MODELING (Abstract ID:11922) - Presentation Time/Type Revised

09:30 Safak, I.; Wiberg, P. L.; HYDRODYNAMICS AND WAVE-ENHANCED SEDIMENT TRANSPORT IN A BARRIER ISLAND-LAGOON-MARSH SYSTEM: A MODEL APPLICATION ON THE EASTERN SHORE OF VIRGINIA (Abstract ID: 9350) – Presentation Withdrawn

032 The Arctic and Subpolar North Atlantic as the Pacemakers for Climate Change

08:45 Seidov, D.; Smolyar, I.; Arzayus, K.; Boyer, T.; Levitus, S.; Zweng, M.; NEW ESTIMATES OF MULTIDECADAL THERMOHALINE VARIABILITY IN BARENTS AND NORDIC SEAS FROM WORLD OCEAN DATABASE (Abstract ID: 9619) – Presenting Author Changed

068 Air-Sea Interactions in Western Boundary Current Systems and Marginal Seas

11:30 Hanawa, K.; Sugimoto, S.; SOME ASPECTS OF OCEANIC RESPONSE TO THE ALEUTIAN LOW ACTIVITY (Abstract ID: 11094) - Presentation Withdrawn

11:30 Usui, N.; Tsujino, H.; Nakano, H.; LONG-TERM VARIABILITY OF THE KUROSHIO LARGE MEANDER (Abstract ID: 10747) – Presentation Time/Type Revised

117 Communicating a Changing Ocean: Challenges and Opportunities Facing Scientists and Decision Makers

15:15 Meisels, G. G.; Muller-Karger, F.; Feldman, A. G.; Ryan, J.; COMMUNICATING SEA LEVEL RISE (Abstract ID:10347) - Presenting Author Changed

136 Top Predator Distributions: Variability and Fisheries

14:15 Tosh, C. A.; Steyn, J.; Bornemann, H.; van den Hoff, J.; Stewart, B.; Plötz, J.; Bester, M. N.; DEFINING MARINE HABITATS FOR SOUTHERN ELEPHANT SEALS: JUVENILE RESPONSES TO VARIABILITY (Abstract ID:9837) – Presentation Withdrawn

148 Recent Advances in In Situ Chemical and Biological Measurements in Marine Environments

15:00 Geiger, E. F.; Cimino, M. A.; MacDonald, D.; Oliver, M. J.; Luther, G. W.; DETERMINATION OF PHYTOPLANKTON PHYSIOLOGY FROM THE OXIC THROUGH THE ANOXIC ZONE IN THE CHESAPEAKE BAY USING IN SITU FIRE FLUOROMETRY AND VOLTAMMETRY (Abstract ID:10325) – Presenting Author Changed

013 Oceanic Uptake of Heat and Greenhouse Gases: Dynamic and Thermodynamic Controls and Inferences from Tracers

B1548 Wang, D.; Marshall, J.; Hill, C. N.; SENSITIVITY OF MODEL OCEAN HEAT UPTAKE TO THE REPRESENTATION OF THE OCEAN'S MESOSCALE (Abstract ID:11707) – Poster Withdrawn

029 Sediment Transport and Deposition in Lakes, Estuaries, and Shallow Shelves

B0815 Storlazzi, C. D.; Field, M. E.; Draut, A. E.; Hoeke, R. K.; UNDERSTANDING THE DELIVERY, RESIDENCE TIME, AND ADVECTION OF FLUVIAL SEDIMENT OUT OF A CORAL REEF-LINED EMBAYMENT THROUGH EMPIRICAL OBSERVATIONS AND MODELING (Abstract ID:11922) - Poster Withdrawn

B0815 Safak, I.; Wiberg, P. L.; HYDRODYNAMICS AND WAVE-ENHANCED SEDIMENT TRANSPORT IN A BARRIER ISLAND-LAGOON-MARSH SYSTEM: A MODEL APPLICATION ON THE EASTERN SHORE OF VIRGINIA (Abstract ID: 9350) – Presentation Time/Type Revised

031 Biogeochemical Cycles of Continental Margins: Drivers and Impacts

B1021 Bakker, D. C.; Lee, G. A.; SUMMERTIME CARBON EXCHANGES ON THE NORTHWESTERN EUROPEAN SHELF (Abstract ID: 11198) – Poster Withdrawn

032 The Arctic and Subpolar North Atlantic as the Pacemakers for Climate Change

B1801 Roessler, A.; Rhein, M.; Kieke, D.; Mertens, C.; VARIABILITY OF THE NORTH ATLANTIC CURRENT AT THE MID ATLANTIC RIDGE BETWEEN 2006 AND 2010 (Abstract ID:10533) – Poster Withdrawn

033 Oceanographic Processes at the Antarctic Continental Margins

B2026 Stanton, T. P.; Shaw, W. J.; Bindschadler, R.; Truffer, M.; Holland, D.; McPhee, M.; Anandakrishnan, S.; Behar, A.; PRELIMINARY OBSERVATIONS OF OCEAN / ICE INTERACTION BENEATH THE PINE ISLAND ICE SHELF, ANTARCTICA (Abstract ID:12325) – Poster Withdrawn

059 Ocean Climate Data Records

B1118 Byrne, D. A.; Leuliette, E. W.; Lillibridge, J.; Mitchum, G. T.; Scharroo, R.; Allegra, A.; DEVELOPMENT OF AN ALTIMETRIC SEA LEVEL CLIMATE DATA RECORD: FUTURE PLANS (Abstract ID: 11762) – Presenting Author Changed

088 Consequences of the March 11, 2011, Earthquake, Tsunami and Fukushima Nuclear Power Plant on the Ocean

B1005 Yahnker, C.; Nelson, G.; Hudson, E.; UNDERWATER RADIATION DETECTION USING A PRINCETON GAMMA TECH INSTRUMENTS SCINTILLATION DETECTOR ON AN IROBOT SEAGLIDER AUV (Abstract ID: 10485) – Presenting Author Changed

104 Improvements in Understanding Tropical Atlantic Climate Variability and Predictability: Past Behavior, Observations and Climate Models

B1493 Behl, M.; Nof, D.; Van Gorder, S.; THE ROBUSTNESS OF THE HEAT RELEASED FROM THE ATLANTIC MERIDIONAL OVERTURNING CELL TO THE ATMOSPHERE (Abstract ID: 11724) – Poster Withdrawn

136 Top Predator Distributions: Variability and Fisheries

A0604 Houghton, J. D.; Hays, G. C.; Doyle, T. K.; Harrod, C.; OCEANIC GELATA PROVIDE A MOSAIC OF PREY FIELDS FOR RANGING LEATHERBACK TURTLES: INSIGHTS FROM DEEP-WATER NET TOWS AND ANIMAL-BORNE SENSORS (Abstract ID:11260) – Poster Withdrawn

145 Physical, Chemical, and Biological Connections Between Coastal Zones (The Surfzone, Inner, Middle, and Outer Shelf and Continental Slope)

B1712 Noble, M. A.; Rosenberger, K. J.; Robinson, G. L.; SPATIAL AND TEMPORAL STRUCTURES IN WIND-FORCED, NEARSHORE TRANSPORT PATTERNS IN THE CENTRAL SOUTHERN CALIFORNIA BIGHT (Abstract ID: 10503)–
Poster Withdrawn

Wednesday, 22 February – Plenary Session

REVISED MORNING BREAK SCHEDULE FOR WEDNESDAY PLENARY

08:00 – 10:30 Plenary Session - Ballroom

10:30 – 11:00 Break

11:00 - 12:30 Plenary Session - Ballroom

Wednesday, 22 February – Oral Sessions

Wednesday, 22 February – Poster Sessions

015 Nearshore Processes

- B0878 Kraatz, S. G.; Tang, H.; HIGH-RESOLUTION PREDICTION OF NEARSHORE TIDAL ENERGY AT NEW JERSEY COASTLINES (Abstract ID: 12581) – Presenting Author Changed
- B0879 Van Ormondt, M.; Kim, S. Y.; Hibler, L.; Terrill, E.; Van Dongeren, A. R.; MODELING THE CONTROLLING HYDRODYNAMICS OF A COASTAL PLUME (Abstract ID:12895) – Poster Withdrawn

016 Dynamics and Observations of Submesoscale Oceanic Processes

- B2075 Baumert, H. Z.; Peters, H.; A CLOSURE FOR MEAN SHEAR- AND INTERNAL WAVE-DRIVEN TURBULENCE: A PROGRESS REPORT (Abstract ID: 10359) – Poster Withdrawn
- B2087 Chien, M. H.; Yang, S. C.; Tseng, Y. H.; THE ENERGY CONVERSION IN KUROSHIO-OYASHIO EXTENSION BASED ON A 1/16 DEGREE EDDY-RESOLVING GLOBAL OCEAN CIRCULATION MODEL (Abstract ID:12694) Poster Withdrawn

024 Fecal Pellets of Copepods and Tunicates: Different (Micro) Worlds

- A0169 El Shaffey, H.; Thompson, M. E.; Walters, T. L.; Paffenhofer, G. A.; Frischer, M. E.; BACTERIAL COMMUNITIES ASSOCIATED WITH THE PELAGIC TUNICATE D. GEGENBAURI AND THEIR FECAL PELLETS: WHAT IS THEIR ORIGIN? (Abstract ID: 11971) – Presenting Author Changed

057 Biogeochemical Cycling of Micronutrient Trace Elements

- A0244 Smail, E. A.; Cutter, L. C.; Webb, E. A.; Moffett, J. W.; Sañudo-Wilhelmy, S. A.; HIGH VARIABILITY IN GEOGRAPHICAL AND DEPTH DISTRIBUTION OF MULTIPLE DISSOLVED B-VITAMINS IN THE EASTERN TROPICAL SOUTH PACIFIC (Abstract ID:10606) – Poster Withdrawn

063 Ocean Exploration

- B1167 Ruberg, S. A.; Biddanda, B. A.; Baskaran, M. M.; Black, T.; Green, R.; Hawley, N. H.; Johengen, T.; Kendall, S. T.; Klump, V.; Nold, S. C.; EXPLORATION OF SHALLOW AND DEEP WATER SUBMERGED SINKHOLE ECOSYSTEMS IN THE THUNDER BAY NATIONAL MARINE SANCTUARY (Abstract ID:12024) - Poster Withdrawn

077 Data Systems that Support the US National Policy for the Stewardship of the Ocean, Coasts, and Great Lakes

- B1080 Mesick, S. M.; Gottfried, S. T.; Mize, J. L.; USE CASE STUDY FOR MANAGEMENT OF SCIENTIFIC DATA AND INFORMATION USING ISO STANDARDS (Abstract ID:12391) - Poster Withdrawn
- B1083 Dorfman, D. S.; Hourigan, T. F.; Shepard, A.; INTEGRATING AND PRESENTING INFORMATION FROM DEEP-SEA CORAL AND SPONGE SURVEYS - MAKING DATA RELEVANT TO MANAGEMENT (Abstract ID:11780) – Poster Withdrawn
- B1087 Varner, J.; Neufeld, D.; McLean, S.; Lightsom, F.; Miller, G.; Wozencraft, J.; Sylvester, C.; Wiggins, C. E.; Price, D.; A PROTOTYPE ELEVATION DATA GEOPORTAL FOR U.S. OCEAN AND COASTAL MAPPING (Abstract ID:12257) – Presenting Author Changed

128 Sensitivity Analysis, Data Assimilation and Uncertainty Quantification in Ocean Modeling

- B1368 William C. Thacker, W. C.; A. Srinivasan, A.; Mohamed Iskandarani, M.; Omar Knio, O. M.; Matthieu Le Henaff, M.; PROPAGATING OCEANOGRAPHIC UNCERTAINTIES USING THE METHOD OF POLYNOMIAL CHAOS EXPANSION (Abstract ID:11942) – Presenting Author Changed
- B1369 Stone, R. E.; Chu, P. C.; Fan, C.; PROFILE STABILIZATION WITH A DEPTH VARYING ADJUSTMENT SCALE (Abstract ID:12026) – Poster Withdrawn

130 Active Learning Approaches to Teach Concepts in Ocean Sciences

A0159 Cudaback, C. N.; OCEAN LITERACY IN GRADES K-12: INSIGHTS FROM A CHANGING CAREER (Abstract ID: 12334) – Poster Withdrawn

133 Jets, Plumes, Eddies, and Waves as a Link Between Anisotropic Mesoscale Ocean Dynamics and General Circulation

B2201 Cravatte, S.; Kessler, W. S.; Marin, F.; INTERMEDIATE ZONAL JETS IN THE EQUATORIAL PACIFIC OCEAN OBSERVED BY ARGO FLOATS (Abstract ID:10751) – Poster Withdrawn

142 Oceanic Fronts: Observations, Modeling, and Applications

B2212 Rouault, M. J.; Penven, P.; STUDYING THE VARIABILITY OF THE AGULHAS CURRENT USING SATELLITE REMOTE SENSING OBSERVATIONS (Abstract ID: 10183) - Poster Withdrawn

156 Satellite Remote Sensing of the Physical and Biogeochemical Processes of the Ocean and Their Interactions

B1151 Lavender, S.; Borg, A.; Jackson, J.; Kent, C.; Bourg, L.; Ottavianelli, G.; Goryl, P.; THE IMPORTANCE OF QUALITY CONTROL FOR SCIENCE: SPACEBORNE MEDIUM RESOLUTION OPTICAL SENSORS (Abstract ID:12482) – Poster Withdrawn

171 Acoustical Applications for Ocean Observing Systems

B1159 Nystuen, J. A.; Riser, S. C.; Wen, T.; Swift, D.; INTERPRETED ACOUSTIC OCEAN OBSERVATIONS FROM ARGO FLOATS (Abstract ID:11740) - Poster Withdrawn

B1163 Van Uffelen, L. J.; Nosal, E. M.; Howe, B. M.; Carter, G. S.; ACOUSTIC SEAGLIDERS IN THE PHILIPPINE SEA (Abstract ID:12764) - Poster Withdrawn

039 Ocean Biogeochemistry Time-Series and Climate – Revised presentation order following coffee break

- 10:30 Steinberg, D. K.; Sverdrup Award Lecture - LONG-TERM CHANGES IN THE ROLE OF ZOOPLANKTON IN OCEAN BIOGEOCHEMICAL PROCESSES (Abstract ID: 12903)
- 11:00 Best, C. H.; Purdie, D. A.; Lomas, M. W.; TEMPORAL VARIABILITY IN THE BIOGEOCHEMICAL COMPOSITION OF MICROPLANKTON IN THE SARGASSO SEA (Abstract ID: 10210)
- 11:15 Owens, S. A.; Buesseler, K. O.; Lamborg, C. H.; Valdes, J.; Lomas, M. W.; Johnson, R. J.; Steinberg, D. K.; Siegel, D. A.; A NEW RECORD OF PARTICLE FLUX AT THE BERMUDA ATLANTIC TIME-SERIES SITE FROM NEUTRALLY BUOYANT SEDIMENT TRAPS (Abstract ID:11901)
- 11:30 Conte, M. H.; Weber, J. C.; THE CLIMATOLOGY OF THE DEEP SARGASSO SEA (Abstract ID:12443)
- 11:45 Carlson, C. A.; Hansell, D. A.; Goldberg, S. J.; LONG-TERM ACCUMULATION OF DOC IN THE UPPER LAYER AT BATS (Abstract ID:10586)
- 12:00 Taylor, G. T.; Muller-Karger, F.; Thunell, R. C.; Scranton, M. I.; Astor, Y.; Varela, R.; Troccoli Ghinaglia, L.; Lorenzoni, L.; Fanning, K. A.; Hameed, S.; ECOSYSTEM RESPONSES IN THE SOUTHERN CARIBBEAN SEA TO GLOBAL CLIMATE CHANGE: RESULTS FROM CARIACO OCEAN TIME-SERIES (Abstract ID:9715)
- 12:15 Omand, M. M.; Mahadevan, A.; VERTICAL STRUCTURE AND PRODUCTIVITY FROM THE CARIACO TIME SERIES: IMPLICATIONS FOR INTERPRETING SATELLITE OCEAN COLOR (Abstract ID:11585)
- 12:30 Roe, H. S.; Laffoley, D. A.; THE SARGASSO SEA-A SUITABLE CASE FOR INTERNATIONAL PROTECTION? (Abstract ID: 9348)

066 Western Pacific Ocean Circulation and Air-sea Interactions

- 14:00 Oey, L. Y.; Chang, Y. L.; THE PHILIPPINES-TAIWAN OSCILLATION: MONSOON-LIKE INTERANNUAL OSCILLATION OF THE SUBTROPICAL-TROPICAL WESTERN PACIFIC WIND SYSTEM AND ITS IMPACT ON THE OCEAN (Abstract ID: 9635) – Presentation Time Revised
- 14:15 Tseng, W. L.; Tsuang, B. J.; Keenlyside, N.; Hsu, H. H.; Tu, C. Y.; OCEAN-ATMOSPHERE INTERACTION KEY ASPECT OF THE MADDEN-JULIAN OSCILLATION (Abstract ID: 11114) – Presentation Time Revised; Presenting Author Changed

157 Understanding Plankton Biogeography by Putting Functional Traits on the Map

- 14:30 Tarran, G. A.; Zubkov, M. V.; RELATING WIND STIRRING AND PICOPHYTOPLANKTON DISTRIBUTION IN THE OCEAN USING THE ATLANTIC MERIDIONAL TRANSECT OBSERVATIONS (Abstract ID:10179) – Presentation Time/Type Revised

007 High-Resolution Geochemical Proxies of Global Change: Progress, Problems, and Utility

B0942 Nieto-Moreno, V.; Martínez-Ruiz, F.; Willmot, V.; García-Orellana, J.; Masqué, P.; Gallego-Torres, D.; Sinninghe Damsté, J. S.; WESTERN MEDITERRANEAN SEA SURFACE TEMPERATURES DURING THE LAST TWO MILLENNIA: A BIOMARKER APPROACH (Abstract ID:11988) – Presenting Author Changed

020 Theory, Modelling, and Observations of remote-sensed propagating waves and eddies

B1411 Lu, H.; Oey, L.; INSTABILITY OF THE SUBTROPICAL COUNTER CURRENT AND THE GENERATION OF EDDIES (Abstract ID: 12647) – Poster Withdrawn

044 Advancing Satellite Ocean Color Science for Global and Coastal Research

A0557 Smith, C.; Thomalla, S.; Waldron, H.; Bernard, S.; Lucas, M.; A BIO-OPTICAL APPROACH TO PHYTOPLANKTON COMMUNITY STRUCTURE, PRIMARY PRODUCTION AND CARBON EXPORT IN THE SOUTHERN OCEAN (Abstract ID: 9909) – Poster Withdrawn

046 Understanding the Biological Consequences of Ocean Acidification in a Holistic Global Change Context

A0207 Wu, Y.; Campbell, D. A.; Finkel, Z. V.; INFLUENCE OF CO₂ ON THE SIZE SCALING OF GROWTH RATE AND ELEMENTAL COMPOSITION IN MARINE DIATOMS (Abstract ID:10268) – Poster Withdrawn

054 Mapping and Characterizing the Seafloor Using Acoustics: Bringing spatial data up from the depths (Posters Only)

B0794 Clarke, S.; Hubble, T.; Airey, D.; Yu, P.; Keene, J.; Webster, J.; Boyd, R.; Shipboard Party SS12/2008, .; GEOLOGICALLY RECENT SUBMARINE LANDSLIDES FROM THE SOUTHEASTERN AUSTRALIAN CONTINENTAL MARGIN - PRELIMINARY FINDINGS (Abstract ID:10971) - Poster Withdrawn

B0795 Hubble, T.; Yu, P.; Clarke, S.; Airey, D.; Webster, J.; Keene, J.; Shipboard Party SS12/2008, .; A CONCEPTUAL MODEL FOR THE ONSET AND OCCURRENCE OF SUBMARINE LANDSLIDES ON THE SOUTHEASTERN AUSTRALIAN CONTINENTAL MARGIN. (Abstract ID: 10990) – Poster Withdrawn

065 Physical - Ecological Interactions in Inland Waters

B1952 Alfred Wuest, A.; Lee Bryant, .; Andreas Matzinger, .; Martin Schmid, .; Beat Müller, .; DEEP-WATER OXYGEN CONSUMPTION IN LAKES AND RESERVOIRS (Abstract ID:10876) – Poster Withdrawn

090 Enhanced Regions of Mixing in the Coastal and Deep Ocean

B1944 Lozovatsky, I. D.; Liu, Z.; Fernando, H. J.; ENHANCED TURBULENCE IN A SHALLOW TIDAL FLOW DUE TO UNEVEN BATHYMETRY (Abstract ID:11779) – Poster Withdrawn

105 Vertical Flow in the Ocean

B2194 Danioux, E.; Vanneste, J.; Klein, P.; HIGH-FREQUENCY VERTICAL VELOCITIES IN THE DEEP OCEAN (Abstract ID: 12555) – Poster Withdrawn

115 Western Antarctic Ocean Ecosystems: Chemical, Physical, and Biological Connections

B1977 Mankoff, K. D.; Stammerjohn, S. E.; MIXING AND CIRCULATION OF ICE SHELF AND OCEAN WATERS IN PINE ISLAND BAY DERIVED FROM SST AND SEA ICE (Abstract ID:9919) – Presenting Author Changed

122 Climate change impacts on the high-latitude ocean

B1306 MacDonald, C. R.; Muenchow, A.; Huntley, H. S.; ICE THICKNESS ESTIMATES FROM SATELLITE DATA IN NARES STRAIT (Abstract ID:12235) – Poster Withdrawn

125 Ocean acidification in coastal and estuarine environments

B0971 Vance, J. M.; Hales, B.; Waldbusser, G.; Brunner, E.; Barton, A.; EVALUATION OF THE EFFECT OF CORROSIVE WATERS UNDER UPWELLING AND NON-UPWELLING CONDITIONS ON THE GROWTH AND SURVIVAL OF *CRASSOSTREA GIGAS*. (Abstract ID:12749) - Poster Withdrawn

157 Understanding Plankton Biogeography by Putting Functional Traits on the Map

A0624 Tarran, G. A.; Zubkov, M. V.; RELATING WIND STIRRING AND PICOPHYTOPLANKTON DISTRIBUTION IN THE OCEAN USING THE ATLANTIC MERIDIONAL TRANSECT OBSERVATIONS (Abstract ID:10179) – Poster Withdrawn

186 General Session: Biological oceanography, aquatic biology

A0658 Morales-Nuñez, A. G.; Alfaro, M.; Heard, R. W.; Arocho, N. E.; TAXONOMIC STRUCTURE OF TANAIIDACEA (CRUSTACEA: PERACARIDA) AT LA PARGUERA, PUERTO RICO (Abstract ID: 11506) - Poster Withdrawn

Friday, 24 February – Oral Sessions

056 Biology and Chemistry in a High CO₂ World

- 15:00 Fu, F.; Garcia, N. S.; Tatters, A. O.; Yu, E. K.; Breene, C.; Walworth, N.; Webb, E. A.; Hutchins, D. A.; ADAPTATION OF THE MARINE CYANOBACTERIUM TRICHODESMIUM TO ELEVATED CO₂ (Abstract ID: 12105) – Presentation Author Changed

065 Physical - Ecological Interactions in Inland Waters

- 14:30 Zeeman, S. I.; Tilburg, C. E.; Bozeman, M.; Spillane, T.; PRECIPITATION, LAND-COVER, AND RIVER CONTAMINANT LOAD. (Abstract ID: 12039) – Presentation Withdrawn
- 15:30 Camren Brown, C. L.; Chandra Franklin, C.; SEASONAL CHANGES IN THE ANATOMY OF SPARTINA ALTERNIFLORA RHIZOMES. (Abstract ID: 10457) – Presentation Withdrawn

105 Vertical Flow in the Ocean

- 08:30 Phillips, H. E.; Bindoff, N. L.; SOFINE Collaborators; THE NON-EQUIVALENT BAROTROPIC STRUCTURE OF THE ANTARCTIC CIRCUMPOLAR CURRENT (Abstract ID: 10819) – Presentation Withdrawn
- 08:30 Danioux, E.; Vanneste, J.; Klein, P.; HIGH-FREQUENCY VERTICAL VELOCITIES IN THE DEEP OCEAN (Abstract ID: 12555) – Presentation Time/Type Revised

116 Recent advances in linking the microbiology and biogeochemistry of oxygen-deficient zones

- 08:00 Altabet, M. A.; Ryabenko, E.; Stramma, L.; Wallace, D.; Frank, M.; Grasse, P.; Lavik, G.; EDDY HOTSPOTS FOR FIXED NITROGEN-LOSS FROM THE PERU OXYGEN MINIMUM ZONE (Abstract ID:10044) – Presenting Author Changed
- 09:15 Algar, C. K.; Joseph Vallino, J. J.; A MAXIMUM ENTROPY PRODUCTION (MEP) BASED MODEL OF NITROGEN CYCLING PROCESSES IN LOW OXYGEN AND ANOXIC ENVIRONMENTS (Abstract ID: 11775) - Authors not listed in index

128 Sensitivity Analysis, Data Assimilation and Uncertainty Quantification in Ocean Modeling

- 14:00 Brasseur, P.; Brankart, J. M.; Testut, C. E.; Béal, D.; Doron, M.; Fontana, C.; Meinvielle, M.; Verron, J.; TOWARD AN IMPROVED DESCRIPTION OF UNCERTAINTIES IN OCEAN SIMULATIONS: EFFECT OF LOCAL ANAMORPHIC TRANSFORMATIONS ON SPATIAL CORRELATIONS (Abstract ID:9702) – Presentation Withdrawn
- 15:45 Slawig, T.; Prieß, M.; Kratzenstein, C.; Piwonski, J.; Koziel, S.; ACCELERATED PARAMETER IDENTIFICATION IN 3D MARINE ECOSYSTEM MODELS (Abstract ID: 10962) - Presentation Withdrawn

EXHIBITOR ROSTER REVISIONS

Teledyne RD Instruments (Booth No. 12) - *Correction of company name*

National Nanotechnology Infrastructure Network (Booth No. 49) – *Corrected contact email address*

Contact: Helene Craig

Email: helenec@umich.edu

Onset Computer Corporation (Booth No. 60) – *Cancelled participation; No longer exhibiting*