

# ASLO 2019 AQUATIC SCIENCES MEETING

## PROGRAM ADDENDUM

### *Changes to Printed Scientific Program Schedule as of 2/27/19*

Revision to ASLO Board of Directors Officers/Executive Committee listing on **Page 2**.

*Please note correction:* Dianne Greenfield, Secretary

### MONDAY ORAL SESSIONS

**CS013: Dissolved organic matter - DOC, DON, DOP, fDOM, cDOM**

Room 202 > 2/25/2019 2:45 PM

DON CYCLING IN THE SURFACE SOUTH CHINA SEA AS INFERRED FROM ISOTOPE SIGNATURES

*Oral Presentation Withdrawn: Zhang, Run*

**SS010: Exploring What Makes Undergraduate Research Experiences Work: Evidence From Students And Ment**

Room 204 > 2/25/2019 9:45:00 AM

INCREASING DIVERSITY IN ENVIRONMENTAL STUDIES AND EVOLUTIONARY DEVELOPMENTAL BIOLOGY

*Oral Presentation Withdrawn: Cohen, Sarah*

**SS010: Exploring what makes undergraduate research experiences work: evidence from students and mentors**

Room 204 > 2/25/2019 9:45 AM

CO-OPERATIVE EDUCATION AS A VEHICLE FOR IMMERSIVE RESEARCH EXPERIENCES FOR UNDERGRADUATE STUDENTS – *Presenting*

*Author: Watson, Elizabeth B.*

*Presentation Revised from Poster to Oral;*

*Withdrawn as Poster on Tuesday in Session*

*SS010. Now an Oral on Monday.*

**SS010: Exploring what makes undergraduate research experiences work: evidence from students and mentors**

Room 204 > 2/25/2019 10:15:00 AM

WHAT IS AND ISN'T WORKING IN REU

DIVERSITY EFFORTS: TIPS FOR THE INTREPID

*Presenting Author Revised: Batchelor, Rebecca*

**SS013 ADAPTATION OF AQUATIC BIODIVERSITY TO GLOBAL CHANGE**

Room 102 > 2/25/2019 5:15 PM

**Calosi, P.;** Thibault, C.; Massamba-N'Slala, G.; Noisette, F.; Vermandele, F.; Babin, M.: RARITY, TRANSGENERATIONAL RESPONSES AND THE GLOBAL CHANGE

*Time Slot Revised from 14:00 to 17:15*

**SS040: Radionuclides in Aqueous Systems**

Room 208 A/B > 2/25/2019 9:15:00 AM

DETECTION OF SHORT-TERM SEDIMENTATION USING RADIOISOTOPES: FROM THE COAST TO THE DEEP SEA

*Oral Presentation Withdrawn: Larson, Rebekka*

**SS050: Improving Coral Reef Resilience with Transformational Science**

Room 103 B > 2/25/2019 4:45:00 PM

THE CORAL RESTORATION CONSORTIUM: EFFORTS TO FUND, COORDINATE, AND TRANSFORM REEF CONSERVATION

*Oral Presentation Withdrawn: Vardi, Tali*

### TUESDAY ORAL SESSIONS

**CS006: Trace metals**

Room 102 A/B/C > 2/26/2019 5:15:00 PM

**Mazzotta, M;** McIlvin, M.R.; Moran, D.; Saito, M.A.: CHARACTERIZATION OF THE METALLOPROTEOME OF THE MARINE BACTERIUM, *ALTEROMONAS*

*Abstract Title Revised; Author List Revised to include Co-Authors*

**(New 02-27-19)**

**CS007: Hypoxia**

FORMATION OF A METALIMNETIC OXYGEN  
MINIMUM IN A DEEP LAKE

Room 201 => Tue, Feb 26, 2019 (10:00 AM)

*Presentation Withdrawn: Cory McDonald*

**CS020: Fish and fisheries**

Room 209 C > 2/26/2019 10:15:00 AM

A WATERSCAPE APPROACH TO FRESHWATER  
ARTISANAL FISHERIES

*Oral Presentation Withdrawn: Garcia, Miguel*

**CS023: Community Ecology**

Room 201 > 2/26/2019 4:15:00 PM

**Ares, A.**; Sato, K.; Mars Brisbin, M.; Diaz, J.;  
Ripken, C.; Iinuma, Y.; Mitarai, S.: PLANKTON  
COMMUNITY STRUCTURE DYNAMICS UNDER  
RED SOIL POLLUTION WITHIN CORAL REEF  
ECOSYSTEMS

*Author List Revised to include 6<sup>th</sup> Author*

**SS043: Beyond the Numbers: Strategies for  
Inclusive Practices Across the Aquatic Sciences**

Room 208 C > 2/26/2019 2:30:00 PM

LESSONS LEARNED IN ENGAGING  
UNDERSERVED AUDIENCES IN NOAA  
EDUCATION PROGRAMS

*Oral Presentation Withdrawn: Jones, Marissa*

**SS060: The advent of sampling biological  
processes in aquatic systems using  
autonomous platforms**

Room 209 A/B > 2/26/2019 4:30:00 PM

LONG-DURATION SAMPLING OF THE PACIFIC  
GYRE USING HOLOGRAPHY AND ACTIVE  
FLUORESCENCE ON A WAVE GLIDER SV2

*Oral Presentation Withdrawn: Villareal, Tracy*

## TUESDAY POSTER SESSION

**(New 02-27-19)**

**CS005: Acidification**

AMELIORATING OCEAN ACIDIFICATION:  
TOWARDS A MODEL RELATING PCO<sub>2</sub>,  
IRRADIANCE AND LEAF AREA INDEX OF  
ZOSTERA MARINA (EELGRASS) IN PADILLA BAY,  
WA

Poster #78 => Tue, Feb 26, 2019 (05:30 PM)

*Poster Presentation Withdrawn – Tyler Tran*

**CS009: Gas Fluxes**

Exhibit Hall B > 2/26/2019 5:30:00 PM

Poster #91

INTERIOR ALASKA LAKES – NET SOURCES OR  
SINKS OF CARBON GASES?

*Poster Withdrawn: Dornblaser, Mark*

**CS013: Dissolved organic matter - DOC, DON,  
DOP, fDOM, cDOM**

Exhibit Hall B > 2/26/2019 5:30:00 PM

Poster #106

CHALLENGES OF FLUORESCENT DISSOLVED  
ORGANIC MATTER CHEMICAL  
INTERPRETATIONS: A CASE STUDY OF POLAR ICE  
CORES

*Poster Withdrawn: D'Andrilli, Juliana*

**SS004: Undergraduate Research in Aquatic  
Sciences Posters**

Exhibit Hall B > 2/26/2019 5:30:00 PM

Poster #240

ACOUSTICAL ANALYSIS OF TWO SHALLOW  
WATER OCEAN NOISE REFERENCE STATION  
NETWORK SITES: AMERICAN SAMOA AND BUCK  
ISLAND

*Poster Withdrawn: Cosca-Baresh, Allison*

**SS004: Undergraduate Research in Aquatic Sciences Posters**

Exhibit Hall B > 2/26/2019 5:30:00 PM

Poster #262

EXAMINING THE EFFECTS OF FLOOD MITIGATION INFRASTRUCTURE ON THERMAL PERFORMANCE OF *P. VULGARIS* IN THE RUMNEY MARSH (REVERE, MASSACHUSETTS}  
*Abstract Title Revised*

**SS010: Exploring what makes undergraduate research experiences work: evidence from students and mentors**

Exhibit Hall B > 2/26/2019 5:30:00 PM

Poster #340

CO-OPERATIVE EDUCATION AS A VEHICLE FOR IMMERSIVE RESEARCH EXPERIENCES FOR UNDERGRADUATE STUDENTS – Presenting Author: Watson, Elizabeth B.  
*Presentation Revised from Poster to Oral; Withdrawn as Poster on Tuesday in Session SS010. Now an Oral on Monday.*

**WEDNESDAY ORAL SESSIONS**

**CS010: Nitrogen biogeochemistry and cycling**

Room 208 A/B => Wed, Feb 27, 2019 10:00 AM

EVALUATING SEDIMENTS AS AN ECOSYSTEM SERVICE IN WESTERN LAKE ERIE THROUGH QUANTIFICATION OF NITROGEN CYCLING PATHWAYS

*Presenting Author Revised: McCarthy, Mark*

**CS022: Biodiversity**

Room 103 B > 2/27/2019 3:00:00 PM

ENVIRONMENTAL BASELINE SURVEY DATA IN PERDIDO AND BAY OF CAMPECHE (SOUTHERN GULF OF MEXICO)

*Oral Presentation Withdrawn: Perry, Ruth*

**CS022: Biodiversity**

Room 103 B > 2/27/2019 3:15:00 PM

BASELINE CHARACTERIZATION OF SOFT-BOTTOM BENTHIC COMMUNITIES IN SUPPORT OF REGULATORY PERMITTING FOR DRILLING IN THE DEEPWATER MEXICAN GULF OF MEXICO  
*Oral Presentation Withdrawn: Valente, Raymond*

**SS023: Carbon Cycling Across Gradients in the Land-Ocean-Continuum**

Room 208 C > 2/27/2019 9:30 AM

**D'Andrilli, J.;** Hawkes, J.; QUALITY CONTROL IN DISSOLVED ORGANIC MATTER COMPOSITION ASSESSMENT BY HIGH RESOLUTION MASS SPECTROMETRY, AN INTERNATIONAL LABORATORY COMPARISON

*Presenting Author Revised*

**SS041 THE NEXT GENERATION: UNDERGRADUATE RESEARCH IN PUERTO RICO AND THE US VIRGIN ISLANDS**

Room 204 > 2/27/2019 2:15:00 PM

**Berberena, K.** Rivera, R.; Diaz, K.; Barberena-Arias, M.: ABUNDANCE OF DIFFERENT SIZE CLASSES OF PLASTICS IN HIGH AND LOW ENERGY BEACHES

*First author/presenting author omitted from listing in the program book.*

**SS065: Turning the Lights on for Deep-Sea Ecosystems in the Caribbean, Gulf of Mexico, and US SE Atlantic**

Room 103 A > 2/27/2019 10:00:00 AM

FISH LARVAE DIVERSITY IN THE DEEP WATER REGION OF THE GULF OF MEXICO  
*Oral Presentation Withdrawn: Jiménez Rosenberg, S.*

**SS065: Turning the Lights on for Deep-Sea Ecosystems in the Caribbean, Gulf of Mexico, and US SE Atl**

Room 103 A > 2/27/2019 3:00:00 PM  
OBSERVATIONS OF AN UNDESCRIBED CTENOPHORE FROM A 3,910 M DEPTH OFF PUERTO RICO

*Oral Presentation Withdrawn: Ford, Mike*

**SS066: Large rivers of the world as pipes, chimneys and reactors**

Room 202 > 2/27/2019 2:00:00 PM  
CARBON DIOXIDE AND METHANE EXCHANGE WITH RIVERS AND STREAMS IN THE UPPER MISSISSIPPI RIVER NETWORK

*Oral Presentation Withdrawn: Striegl, Robert*

## THURSDAY ORAL SESSION

**AS001 Success Through Science: Using Limnology and Oceanography to Tackle Difficult Management Questions**

*Please note revised presentation order for the following:*

Location: Room 204

09:00 McCarthy, M.; Boedecker, A.; Chaffin, J.; Gardner, W.; Hampel, J.; Hoffman, D.; Xu, H.; Zhang, L.; Zhu, G.; **Newell, S.:** CHEMICALLY REDUCED NITROGEN FORMS AS DRIVERS OF NON-N-FIXING CYANOBACTERIA BLOOMS IN LARGE LAKES ERIE AND TAIHU: MANAGEMENT IMPLICATIONS (T)

*Presenting author revised*

09:30 **Barouillet, C.;** Meyer-Jacob, C.; Mushet, G.; Hennessy, S.; Bertin, A.; Cumming, B.: DISSOLVED ORGANIC CARBON CONCENTRATIONS EXERT A STRONGER CONTROL ON THE CLADOCERAN COMMUNITY COMPOSITION OF BOREAL LAKES THAN WARMING

**AS005: Extreme Events**

Room 209 A/B > 2/28/2019 3:15:00 PM  
EXTREME WARMING DECREASES CONTINENTAL SHELF NITROGEN REMOVAL CAPACITY

*Oral Presentation Withdrawn: Fulweiler, Robinson*

**CS017: Harmful blooms**

Room 102 A/B/C > 2/28/2019 3:15:00 PM  
NUTRIENT AND TRACE METAL CO-LIMITATION OF CYANOBACTERIAL BLOOMS IN THE GREAT LAKES

*Oral Presentation Withdrawn: Larson, James*

**SS023: Carbon Cycling Across Gradients in the Land-Ocean-Continuum**

Room 104 > 2/28/2019 9:45:00 AM  
DIAGNOSIS OF CO<sub>2</sub> FLUXES IN THE COASTAL OCEAN

*Oral Presentation Withdrawn: Dai, Minhan*

**SS023: Carbon Cycling Across Gradients in the Land-Ocean-Continuum**

Room 104 > 2/28/2019 9:45 AM  
THE COUPLED CYCLING OF DISSOLVED IRON AND DISSOLVED ORGANIC MATTER IN THE CONNECTICUT RIVER

*Presentation Revised from Poster to Oral; Withdrawn as Poster on Thursday in Session SS023. Now an Oral on Thursday.*

*Presenting author: Laura Ann Logozzo*

**(New 2-27-19)**

**SS023: Carbon Cycling Across Gradients in the Land-Ocean-Continuum**

CARBON CYCLING AND TRACE GAS DYNAMICS IN DISTURBED, RESTORED, AND REFERENCE WETLANDS ALONG A SALINITY GRADIENT IN OREGON, USA

Room 104 => Thu, Feb 28, 2019 (10:15 AM)

*Presentation Withdrawn: Scott D. Bridgham*

**(New 02-27-19)**

**SS042: Long-term ecological studies of freshwater ecosystems in the Greater Caribbean Biogeographic Region**

INTRA-COMMUNITY DIVERSITY OF INVASIVE SPECIES IMPACTS IN SPACE AND TIME: SCALING UP TO ECOSYSTEM FUNCTION

Room 103 A => Thu, Feb 28, 2019 (03:00 PM)

*Presentation Withdrawn: Joel Trexler*

**THURSDAY POSTER SESSION**

**CS021: Aquatic food webs**

Exhibit Hall B > 2/28/2019 5:30:00 PM

Poster #145

**Patel, C.;** Lee, C.; Ignoffo, T.; Slaughter, A.; Jungbluth, M.; Kimmerer, W.: INVESTIGATING COPEPOD CONSUMPTION OF PHYTOPLANKTON IN SAN FRANCISCO ESTUARY USING QPCR

*Abstract Title Revised; Author List Revised*

**CS021: Aquatic food webs**

Exhibit Hall B > 2/28/2019 5:30:00 PM

Poster #146

DNA ANALYSIS REVEALS ONTOGENETIC DIET SHIFTS FROM LARVAE TO ADULTS OF A PREDATORY COPEPOD

*Poster Withdrawn: Cohen, Sarah*

**SS023: Carbon Cycling Across Gradients in the Land-Ocean-Continuum**

Exhibit Hall B > 2/28/2019 5:30:00 PM

Poster #364

THE COUPLED CYCLING OF DISSOLVED IRON AND DISSOLVED ORGANIC MATTER IN THE CONNECTICUT RIVER

*Presentation Revised from Poster to Oral; Withdrawn as Poster on Thursday. Now an Oral on Thursday.*

**SS030 BIOLUMINESCENT BAYS OF THE CARIBBEAN: SCIENCE, MANAGEMENT, OUTREACH, AND RECOVERY**

Exhibit Hall B > 2/28/2019 5:30:00 PM

Poster #390

**Flores, J.;** Siebens Morales, Y.; Govender, Y.: PATTERNS OF SEDIMENTATION AND DINOFLAGELLATE DENSITY IN THE LAGUNA GRANDE, FAJARDO, PUERTO RICO

*Author listing revised*

**FRIDAY ORAL SESSIONS**

**(New 2-25-19)**

**CS012: Carbon fluxes in FW and marine environment**

101 AB > 3/1/2019 2:45 PM

SPATIOTEMPORAL ANALYSIS OF CARBON FLUXES IN GLACIAL MELTWATER STREAMS, ANTARCTICA

*Presentation Withdrawn: Christa Torrens*

**CS033: Coral Reef Ecosystems**

Room 104 > 3/1/2019 4:45:00 PM

**Sturm, A.;** Gonzalez Mendez, J.; Eckert, R.; Chei, E.; Dodge, D.; Studivan, M.; Gonzalez Diaz, P.; Voss, J.D.: ASSESSING POPULATION CONNECTIVITY OF THE CORAL SPECIES, *MONTASTRAEA CAVERNOSA*, ACROSS LOCAL AND REGIONAL SCALES IN CUBA AND THE TROPICAL WESTERN ATLANTIC

*Author List Revised to include 8<sup>th</sup> Author*

**CS043: Global oceanography and limnology**

Room 208 C > 3/1/2019 9:30:00 AM

THE OCEAN OBSERVATORIES INITIATIVE (OOI)

*Presenting Author Revised: Dever, Ed*

**SPOT001: Publications Spotlight Session**

Room 209 A/B > 3/1/2019 2:45:00 PM

USING OPTICAL PROPERTIES TO LOOK BACKWARDS AND FORWARDS IN TIME: DISSOLVED ORGANIC MATTER SOURCE, PROCESSING, REACTIVITY AND FATE

*Oral Presentation Withdrawn: Kraus, Tamara*

**SPOT001: Publications Spotlight Session**

Room 209 A/B > 3/1/2019 4:00:00 PM

CRITICAL IMPORTANCE OF SEA ICE-DERIVED CARBON IN ARCTIC AND ANTARCTIC FOOD WEB PROCESSES

*Oral Presentation Withdrawn: Kohlbach, Doreen*

**SS054: Remote Sensing of Water Quality and Quantity**

Room 202 > 3/1/2019 5:00:00 PM

USE OF FERRYBOX SHIPS OF OPPORTUNITY SYSTEMS FOR SATELLITE PRODUCT VALIDATION

*Presenting Author Revised: Deininger, Anne*

**SS058: Brave new world: the ecology of highly impacted waterbodies**

Room 208 A/B > 3/1/2019 3:45:00 PM

DISCONTINUITY BETWEEN PATTERN AND PROCESS IN SIMULATED AGRICULTURAL DITCHES YIELD ECOLOGICAL AND METHODOLOGICAL QUESTIONS REGARDING DIEL DENITRIFICATION MODELS

*Oral Presentation Withdrawn: Taylor, Jason*

