

# AGU Ocean Sciences 2020: Participation by SCCOOS PI's

Underline = SCCOOS PI; **Bold** = SCCOOS PI is the presenter.

Monday, February 17th

Presentations:

- 17-Feb 8:30 AM: [CP11A-03](#) - Observations of Wind Effects on Shoaling Wave Shape. Edderson, Fincham, Spydell, Brodie, Young, Grimes, Bruder, Spore, Dickhudt, Poirot, Kubiak, Lucas.
- 17-Feb 9:15 AM: [SI11A-06](#) - Preparing for coastal flooding: A warning system for Imperial Beach, CA. Merrifield, Engeman, Johnson, Dedina, Helmer, Behrens, Terrill, Young, Fiedler, Ludka, Henderson, Okihiro, O'Reilly, Guza.
- 17-Feb 11:15 AM: [PS12A-04](#) - Turbulence, mixing, and nutrient fluxes in kelp farms. Chamecki, Chao, McWilliams
- 17-Feb 2:00 PM: [ME13A-01](#) - A Modeling Platform to Evaluate Offshore Macroalgal Farming. Frieder, Davis, Chamecki, McWilliams, Sutula, Kudela, Infante, Yan, Kessouri, Dauhajre, McPherson
- 17-Feb 3:15 PM: [PI13A-06](#) - Investigating the biogeochemical impact of an across-shore filament. Kelly, Goericke, Ohman, Song, Kranz, Landry, Stukel.

Posters:

- 17-Feb 4:00 PM: [IS14D-3234](#) - Observing and understanding harmful algal blooms using autonomous underwater imaging. Kenitz, Orenstein, Roberts, Franks, Jaffe, Carter, Barton.
- 17-Feb 4:00 PM: [IS14B-3206](#) - Stability of Tris pH buffer in artificial seawater stored in bags. Wolfe, Shipley, Takeshita, Bresnahan, Wirth, Martz.
- 17-Feb 4:00 PM: [IS14D-3230](#) - Automated observations of phytoplankton communities from open water moorings. Barton, Send, Shalapyonok, Heux, Smith, Chua, Sosik.
- 17-Feb 4:00 PM: [ME14B](#) - Building Resilience: Exploring the Role of Marine Protected Areas in the Face of Changing Ocean Conditions II Posters. Kauzer, Esgro, Hofmann, Carter
- 17-Feb 4:00 PM: [ME14A](#) - Building Resilience: Exploring the Role of Marine Protected Areas in the Face of Changing Ocean Conditions I eLightning. Esgro, Hofmann, Carter, Kauzer.
- 17-Feb 4:00 PM: [OM14A-3078](#) - Integrated Modeling of Harmful Algal Genus Pseudo-Nitzschia to Support Ecosystem Prediction and Environmental Management in the Southern California Current System. Bianchi, Anderson, Kudela, Kessouri, Sutula, Deutsch, Smith, Moreno.
- 17-Feb 4:00 PM: [PC14A-1682](#) - Impact of Extreme Climate Events on Coastal Phytoplankton Abundance and Diversity in the Southern California Bight, California, USA. Carter, Seech, Fumo, McGowan.

## Tuesday, February 18th

### Presentations:

- 18-Feb 8:15 AM: [PI21A-02](#) - Is Zooplankton Community Structure Spatially and Temporally Persistent in the Eastern North Pacific? Hoover, Garcia-Reyes, Batten, Gentemann, Dohan, Sydeman
- 18-Feb 9:00 AM: [PS21A-05](#) - Observations of the Almeria-Oran front by underwater gliders. Rudnick, Zarokanellos, Allen, Ruiz, Pascual, Tintore
- 18-Feb 2:15 PM: [P23C-02](#) - Nearshore coastal dispersion enhanced through estuarine trapping/pumping Giddings, Fedderson, Wu, Kumar, Grimes
- 18-Feb 2:15 PM: [SI23A-02](#) - California's Ocean Acidification Action Plan: A Roadmap for Science-informed Management and Decision Making. Kimball, Berry, Carter, Kellum.

### Posters:

- 18-Feb 4:00 PM: [CP24G-1222](#) - Trophic transfer of domoic acid: trophic niche proxies of the main vectors and predators affected in central California. Bernstein, Ruiz-Cooley, Kudela, Anderson, Dunkin, Field.
- 18-Feb 4:00 PM: [CP24A-08](#) - The implications of uncertainties in HF radar observations for measuring small-scale surface current structures. Emery, Kirincich, Washburn, Flament.
- 18-Feb 4:00 PM: [ME24B-0100](#) - Complex coastal flows and connectivity between kelp forests and the coastal ocean in the Southern California Bight. Washburn, Nidzieko, Miller, Emery, Kirincich.
- 18-Feb 4:00 PM: [OB24F-0525](#) - Understanding the remote influences of ocean weather on the episodic pulses of particulate organic carbon flux. Ruhl, Bahr, Henson, Hosking, Espinola, Kahru, Daniel, Drake, Edwards

## Wednesday, February 19th

### Presentations:

- 19-Feb 3:15 PM: [OB33A-06](#) - Modeling Phytoplankton Pigments on Global to Local Scales Using Hyperspectral Optics. Kramer, Siegel.
- 19-Feb 3:45 PM: [CP33C-08](#) - Transient Rip-Current Exchange Across the Inner-Shelf Modulated by Diurnal Heating/Cooling. Grimes, Fedderson, Kumar, Giddings

### Posters:

- 19-Feb 4:00 PM: [CP34B-1227](#) - Marine and Freshwater Algal Toxins Co-occur at the Land-Sea Interface in Coastal California. Roethler, Howard, Caron, Kudela, Negrey, Tatters, Smith
- 19-Feb 4:00 PM: [CP34C-1256](#) - Observations and modeling of wave overtopping at Imperial Beach, California. Henderson, Merrifield, Fiedler, Ludka, Young, Guza.
- 19-Feb 4:00 PM: [IS34B-3367](#) - Improving the collection, coordination, and delivery of information on California Current Large Marine Ecosystem conditions for societal needs. Harper, Anderson, Newton, Block, Bogard, Canonico, Chavez, Costa, Miller, Muller-Karger, Price, Ruhl, Turner, Weise, Woodward.

- 19-Feb 4:00 PM: [ME34E-0213](#) - Seasonal and Interannual Variability of Phytoplankton Abundance and Community Composition on the Central Coast of California. Barth, [Walter](#), [Robbin](#), [Pasulka](#)
- 19-Feb 4:00 PM: [SI34B-1643](#) - Impact of water recycling on wastewater effluent plumes in drought-stricken regions in ocean acidification and hypoxia contexts. Ho, Kessouri, Sutula, Bianchi, McWilliams, Molemaker, Gallien, Robertson.

#### Townhall:

- 19- Feb 6:30 PM: [TH35H](#) - 20 years of the U.S. Integrated Ocean Observing System: Celebrating the successes and charting the future. Arzayus, Gouldman, [Anderson](#)

## Thursday, February 20th

#### Presentations:

- 20-Feb 9:45 AM: [IS41A-08](#) - Distributed Temperature Sensing (DTS) Application to Oceanography. Sinnet, [Davis](#), [Lucas](#), [Giddings](#), Reid, Harvey.
- 20-Feb 11:00 AM: [MM42A-03](#) - Biogeochemical consequences of diatom-virus interactions in the California Current Ecosystem. Kranzler, Krause, [Brzezinski](#), Edwards, Biggs, McCrow, Maniscalco, Van Mooy, Bidle, Allen, Thanatrakoln.

#### Posters:

- 20-Feb 4:00 PM: [CP44C-1357](#) - Improving the Understanding of HF Radar Antenna Patterns and Their Influence on Nearshore Surface Current Measurements. Mickelsen, Emery, [Washburn](#).
- 20-Feb 4:00 PM: [CP44C-1353](#) - Stationary LiDAR observations and modeling of runup, inner-surf zone waves, and beach morphology during energetic storm events. Kim, Brodie, Fiedler, [Giddings](#), Guza, [Merrifield](#).
- 20-Feb 4:00 PM: [CP44D-1373](#) - Ongoing Beach Nourishments in San Diego County, Ca. Ludka, [Merrifield](#), Young, O'Reilly, Guza.
- 20-Feb 4:00 PM: [CP44E-1410](#) - U.S. East-Coast Shoreline Wave Climate during Intense Hurricane Forcing: Landfall Case Studies from 2016-2019. [Terrill](#), Behrens, [Merrifield S.](#), Olfe, Bucciarelli, Ho, [Merrifield M.](#), Hesser, Jensen
- 20-Feb 4:00 PM: [CP44F-1425](#) - Biogeochemical observations and baseline CO<sub>2</sub> conditions in the Agua Hedionda Lagoon. Shipley, [Martz](#), Hales
- 20-Feb 4:00 PM: [CP44G-1441](#) - Characteristics and Generation Mechanisms of Submesoscale Fronts over the Inner to Mid-shelf. Wu, [Fedderson](#), [Giddings](#).
- 20-Feb 4:00 PM: [OD44D-3523](#) - Integrated ocean observing systems for assessing marine protected areas across California. Harper, [Anderson](#), Dugan, Newton, Ruhl.
- 20-Feb 4:00 PM: [OD44D-3518](#) - Monitoring, partnership, and decision-support tools for an expanding U.S. West Coast shellfish aquaculture industry. Ruhl, [Anderson](#), Edwards.
- 20-Feb 4:00 PM: [OD44D-3521](#) - IOOS.US: Connecting Regional Ocean Data to the U.S. Integrated Ocean Observing System. Bailey, Vance, Wengren, Knee, Bochenek, Buckelew
- 20-Feb 4:00 PM: [OB44J-0828](#) - The Structure and Diversity of Prokaryotic and Eukaryotic Plankton Communities Within the Southern California Bight (2014-2018). James, Barton, Zeigler, Lampe, Schulberg, Zheng, [Goericke](#), Goodwin, Allen.

## Friday, February 21st

- 21-Feb 8:00 AM: [OD51B-01](#) - Optimizing Stakeholder Requirements with Pan-Regional Ecosystem Predictions. Anderson, Edwards, Kurapov, Moore, Hazen, Fiechter, Newton, Ruhl.
- 21-Feb 10:45 AM: [PC52A-02](#) - Coupled Climate Stressors along the West Coast of North America: Drought, Marine Heat Waves, HABs, and Hypoxia. Rykaczewski, Garcia-Reyes, Sydeman, Black, Bogard, Jacox
- 21-Feb 11:00 AM: [CP52A-03](#) - Probabilistic projections of high-tide flooding frequency in the United States during the 21st century. Thompson, Hamlington, Merrifield, Sweet.
- 21-Feb 11:45 AM: [CP52A-06](#) - Predicting storm wave runup at Imperial Beach, California. Fiedler, Young, O'Reilly, Ludka, Henderson, Gua, Merrifield.
- 21-Feb 12:00 PM: [PS52A-07](#) - Seasonal and interannual variability in the poleward undercurrent off the US West Coast: inferences from observations and a high-resolution regional ocean model. Kurapov, Barth, Fisher, Rudnick