

California State Lands Commission
presents



An Onshore & Offshore Pollution Prevention
Symposium & Technology Exhibition

September 25-26, 2018

The Westin Long Beach Hotel
Long Beach, California

Commissioners

Gavin Newsom, Lieutenant Governor

Betty T. Yee, State Controller

Michael Cohen, Director of Finance

Jennifer Lucchesi, Executive Officer

Chris Beckwith, Chief, Marine Environmental Protection Division

Marina Voskanian, Chief, Mineral Resources Management Division

www.preventionfirstsymposium.com

TECHNOLOGY EXHIBITION

HOURS
Tuesday, September 25
Open 8 AM to 7 PM

HOURS
Wednesday, September 26
Open 8 AM to 4 PM

Platinum Sponsors

Andeavor
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as of August 23, 2018

SPONSORSHIP AND EXHIBITOR OPPORTUNITIES

View the Prevention First 2018 Sponsorship Deck online:

http://www.slcc.ca.gov/About/Prevention_First/PF2018SponsorshipMaterials.pdf

For questions regarding sponsorship and exhibitor opportunities, contact
Dennis Vogel at (562) 499-6312 or by email at Dennis.Vogel@slcc.ca.gov.

Symposium Registration Fees

Early Bird Registration (by July 27)\$275

Late Registration (starting July 28)\$350

Registration fee includes two continental breakfasts, refreshments for AM/PM breaks, two lunches, an evening reception, and Symposium materials.

Register by credit card online:

<https://prevention-first-2018.eventbrite.com>

LODGING

Westin Long Beach

The Official Hotel for Prevention First 2018
333 E. Ocean Boulevard, Long Beach, CA 90802

Attendees are responsible for making their own hotel reservations.

A limited number of rooms at the rate of \$185 plus tax for single or double occupancy have been reserved at the Westin Long Beach for conference attendees. Rooms at this rate are available from September 23 – September 27, 2018, depending on availability. The cut-off date for these rooms is 5:00 PM, Sunday, September 2, 2018.

Make your reservations online:

<https://www.starwoodmeeting.com/events/start.action?id=1710066660&key=14A03AD8>

PARKING

The Westin Long Beach is offering the following discounted parking rates for Prevention First attendees:

- Discounted day parking – self parking: \$14
- Discount day parking – valet: \$16
- Discounted overnight guest parking – self parking: \$24
- Overnight guest parking – valet: \$28

Bring your parking ticket to the event for validation.

TRAVEL AND GROUND TRANSPORTATION

Attendees are responsible for making their own travel and ground transportation arrangements.

Long Beach is accessible through many airports including Los Angeles International (LAX), Long Beach (LGB), and Orange County/John Wayne (SNA). There are numerous options for ground transportation.

GENERAL INFORMATION

For things to do in Long Beach, see the Long Beach Area Convention and Visitor's Bureau website: www.visitlongbeach.com

Updated event information is available on the Symposium's website:

www.preventionfirstsymposium.com

The California State Lands Commission (CSLC) invites you to its thirteenth biennial conference, Prevention First 2018. Experts and professionals from academia, industry, and government from around the country will gather at this important event to share information and introduce concepts in pollution prevention with a focus on marine invasive species management, environmental protection, marine oil terminal engineering and maintenance standards, pipeline safety, risk analysis, many other areas involving maritime safety and pollution prevention. The accompanying Technology Exhibition will showcase over 40 exhibits relating to pollution prevention at marine terminals and offshore platforms, ballast water treatment, engineering, safety and security products, and associated services.

Tuesday, September 25

8:00 - 9:00 AM	REGISTRATION AND CONTINENTAL BREAKFAST
9:00 - 10:00 AM	GENERAL SESSION AND WELCOMING REMARKS , SALON C & D — Chris Beckwith , Chief, Marine Environmental Protection Division, California State Lands Commission (CSLC) ♦ Marina Voskanian , Chief, Mineral Resources Management Division, CSLC ♦ Capt. Tom Cullen , Administrator, Office of Spill Prevention and Response (OSPR), California Department of Fish and Wildlife ♦ Jennifer Lucchesi , Executive Officer, CSLC ♦ Mick Langford , Vice-President and General Manager, Trelleborg Marine Systems North America ♦ Tiffany Rau , Director of Government and Public Affairs for Southern California, Andeavor
10:00 - 10:30 AM	NETWORKING BREAK (Coffee in the Exhibit Hall)
10:30 - 11:30 AM	KEYNOTE PRESENTATION , SALON C & D — Betty T. Yee , California State Controller; Chair, California State Lands Commission
11:30 AM - 1:00 PM	BUFFET LUNCH
1:00 - 3:00 PM	AFTERNOON BREAKOUT SESSIONS

BARCELONA / CASABLANCA

1A Sea-Level Rise and Climate Change
Moderator: Jennifer Mattox, CSLC
Rising Seas and Protecting the Public Trust Jennifer Mattox, CSLC
The Future is Here: Sustainability and Adaptation Ashley Erickson Reineman, California Coastal Commission
Collaborative Partnerships to Build Coastal Resilience Laura Engeman, Scripps Institute of Oceanography
Maritime Industry and the Resilient Port Challenge Jason Giffen, Port of San Diego

SALON C

2A MOTEMS Upgrades
Moderator: Justin Wood, P.E., CSLC
Richmond Long Wharf Loading Arm Replacement Project – Building a Business Case for Investment Jack Silva and Karen Boven, Chevron
Chevron Richmond Long Wharf Loading Arm Replacement Project – Lessons Learned Bipin Sitaram and Anna Tsai, Chevron
Concrete Damage Repairs of Existing Marine Terminal Bernardo Waisman, P.E., COWI Marine
Shell Mormon Island LA MOTEMS Project Heidi Goebel, AECOM

SALON D

3A Abandoned and Derelict Vessels
Moderator: Judd Muskat, OSPR
Abandoned and Derelict Vessels Overview: California's Jigsaw Puzzle Steve Hampton, Ph.D., OSPR
Abandoned and Derelict Vessels in the Delta: Results of a Comprehensive Aerial Survey Annie Daly, University of California, Santa Barbara
Abandoned and Derelict Vessels Up Close: Issues on the Ground and in the Water Mitch Goode, OSPR
Abandoned and Derelict Vessel Programs: Some Solutions from Washington State Troy Wood, Washington State Department of Natural Resources
Abandoned and Derelict Vessel Removal: A Salvor's Perspective Kyle Watson, Global Diving & Salvage, Inc.

TOKYO / VANCOUVER

4A The Evolution of the California Energy System and the Role of Technology
Moderators: Albert Williams, Chevron North America Exploration & Production Company; Chris Fox, CSLC
Advances in Emissions Control Technology for Marine Operations Anoosheh Oskouian, President & CEO, Ship & Shore Environmental, Inc.
The Impact of Digital Transformation on Oil & Gas Operations and HSE Performance Donald Paul, Ph.D., USC Energy Institute
California's Oilfield Technology Delivers Safe, Reliable, Native Production Ester Brawley, California Resources Corporation

3:00 - 3:30 PM	NETWORKING BREAK
3:30 - 4:30 PM	AFTERNOON BREAKOUT SESSIONS, CONTINUED

1B Reduction of Air Emissions in California's Ports
Moderator: Maren Farnum, CSLC
Update on Ocean-going Vessel At-Berth and Clean Fuel Regulations Ziv Lang, California Air Resources Board
San Pedro Bay Ports 2017 Clean Air Action Plan Update Lisa Wunder, Port of Los Angeles; Morgan Caswell, Port of Long Beach

2B Standards for Design of Piers & Wharves
Moderator: Alex Augustin, P.E., CSLC
ASCE 61-19 – Seismic Design of Piers and Wharves: Key Issues, Updates, and Lessons Learned Gayle S. Johnson, P.E., Senior Principal, Simpson Gumpertz & Heger
New ASCE Piers & Wharves Standards Omar Jaradat, Ph.D., P.E., Moffatt and Nichol

3B Emerging Technologies
Moderator: Greg McGowan, OSPR
Emerging Technology and Maritime Piloting Capt. John Betz, Los Angeles Pilot Service
Dynamic Under Keel Clearance (UKC) Project for the Port of Long Beach Capt. Kip Louitit, Marine Exchange of Southern California
What's New Under the Sun? Annie Nelson, OSPR

4B Renewable Energy Resources
Moderators: Shahed Meshkati and Greg Pelka, CSLC
Biomass Power Pollution Prevention Benefits Russell Huffman, Greenleaf Power
Ensuring Compatibility with Current & Emerging Renewable Energy Technologies and the Viability of the DoD Training and Testing Mission Steve Chung, NRSW Regional CPIO, Department of the Navy
Identification of Barriers and Implementation of the Renewable Energy Program in India Shailendra Kumar Pokhriyal, Ph.D., University of Petroleum and Energy Studies (UPES)

4:30 - 6:30 PM	EVENING RECEPTION
7:30 - 8:30 AM	CONTINENTAL BREAKFAST
8:30 - 10:00 AM	MORNING BREAKOUT SESSIONS

Wednesday, September 26

1C Implementation of Ballast Water Discharge Standards
Moderator: Nicole Dobroski, CSLC
Overview of the State Lands Commission's 2018 Report on Ballast Water Treatment Technologies Jonathan Thompson, CSLC
The Golden Bear Research Center: Insights into BWMS Type-Approval Testing and their Efficacy Across Various Test Parameters Nicholas Welschmeyer, Ph.D., Moss Landing Marine Laboratories
Shore-Based Ballast Water Treatment in California: Feasibility, Costs, and Next Steps Kevin J. Reynolds, P.E., CENG, C/E, Glosten Associates

2C Bulkheads & Geotechnical Issues
Moderator: Kendra C. Oliver, P.E., CSLC
ASCE Seismic Design of Bulkheads Pooja Jain, S.E., Moffatt and Nichol; Arul K. Arulmoli, Ph.D., G.E., D.G.E., Earth Mechanics, Inc.
Geotechnical Considerations for Piping Supports Over Bulkheads Uday K. Patil, P.E., G.E., Globus Engineering Inc.
Port of San Francisco Seawall Earthquake Safety & Disaster Prevention Program Rod K. Iwashita, P.E., Port of San Francisco

3C OSPR Statewide: Spill Management Teams, Unannounced Drills and Regulations Update
Moderator: Yvonne Najah Addassi, OSPR
A Review of OSPR's Unannounced Spill Management Team Drill Program Cassidee Shinn, OSPR
Marine & Inland Regulations Update Ryan Todd, OSPR

4C Offshore Facilities Decommissioning and Well Abandonment
Moderators: Joseph Fabel and Bamdad Rassandana, CSLC
The Legal and Policy Challenges of Offshore Decommissioning in State Waters Seth Blackmon, CSLC
The Regulator's Point of View: Offshore Decommissioning in State Waters James Pierce, California Department of Conservation
Platform Holly Update for Decommissioning and Well Abandonment Preparations Larry Huskins, Beacon West Energy Group, LLC
California Offshore Oil and Gas Facility Decommissioning Outlook and Challenges John B. Smith, Bureau of Ocean Energy Management (Retired)

10:00 - 10:30 AM	NETWORKING BREAK
10:30 - 11:30 AM	MORNING BREAKOUT SESSIONS, CONTINUED

1D Marine Invasive Species Program Updates
Moderator: Nicole Dobroski, CSLC
Ballast Water and Biofouling Management by Vessel Arrivals at California Ports Lina Ceballos-Osuna, CSLC
Status and Trends of Biological Invasions in Coastal Marine Ecosystems of California Based on Recent Monitoring Steve Foss, OSPR
Biofouling Management Regulations at the One-Year Mark: What Have We Learned? Chris Scianni, CSLC

2D Marine Terminal Regulations
Moderator: Avinash Nafday, Ph.D., P.E. CSLC
MOTEMS Structural Damping Omar Jaradat, Ph.D., P.E., Moffatt and Nichol
Upgrades of Seismic Design Standards for Nonstructural Components, Nonbuilding and Building Structures in MOTEMS Rakesh K. Goel, Ph.D., P.E., California Polytechnic State University, San Luis Obispo
California Elder Pipeline Act, Updates Jim Hosler, Office of the State Fire Marshal, Pipeline Safety Division

3D Non-Floating Oil / Salvage
Moderator: Jon Victoria, OSPR
Advancements in Non-Floating Oil Detection and Recovery Jim Elliott, American Salvage Association & Teichman Group
Response to Non-Floating Oils in California Annie Nelson, OSPR
The Interplay of Salvage & Marine Firefighting on Pollution Response and Liabilities Joe Walsh, Clyde & Co. US LLP

4D Managing Well Abandonment and Facility Decommissioning
Moderators: Matt Rezvani, CALSTAD; Steve Curran, CSLC
Becker Well Re-Abandonment Project, Summerland Beach, California Michael Giuliani, InterAct
Rincon Island Well Abandonment Mark LeClair, CSLC
Coastal Facilities Decommissioning Challenges – A Review of Recent Decommissioning Projects Mark Steffy, Longitude 123 Inc.; Simon Poulter, Padre Associates, Inc.

11:30 AM - 1:00 PM	BUFFET LUNCH
1:00 - 3:00 PM	AFTERNOON BREAKOUT SESSIONS

1E Marine Invasive Species Collaborative Research
Moderator: Chris Scianni, CSLC
Evaluating Lay-Up Times of Ships as a Risk Factor for Marine Invasions Ian Davidson, Ph.D., Smithsonian Environmental Research Center
Examining Trends in Vessel Movement and Characterizing the Microbiome of Arriving Ballast Water William Gerhard, Ph.D. Candidate, Duke University
Evaluations of In-Water Cleaning & Capture Technologies: Facilitating Innovations in Environmental Protection & Business Development Mario Tamburri, Ph.D., University of Maryland Center for Environmental Science
What Are You Guys Doing Down There? Research Updates From the End of the World... Eugene Georgiades, Ph.D., New Zealand Ministry for Primary Industries
Australian Biofouling Policy, A Focus on Prevention Jason Garwood, Australian Department of Agriculture and Water Resources

2E Terminals and Marinas
Moderator: Helen Galope, P.E., CSLC
MOTEMS Compliance for Multiuse Terminals William Bruin, P.E., D.PE, M.ASCE, Simpson Gumpertz & Heger
Upgrading an Existing Bulk Terminal for New Service Jim Kearney, S.E., COWI Marine
MOTEMS Inspections – Subsequent Audit Process Anthony Mets, P.E., D. CE., and Scott Nordholm, P.E., AECOM
Fragility of Small Craft Marinas Subject to Tsunami Currents Adam Keene, University of Southern California

3E Cosco Busan 11 Years Later
Moderator: Yvonne Najah Addassi, OSPR
Cosco Busan 11 Years On: A Restoration Update Steve Hampton, Ph.D., OSPR
Volunteer Management: Making Strides in the Last 10 Years... Cindy Murphy, OSPR

4E Advances in Process Safety Management / Pipeline Safety
Moderators: Joo Chai Wong and Ricky Lee, CSLC
Introduction to Non-Destructive Testing Techniques and their Use in the Oil Field Michael Williams, P.E., California Resources Corporation
California's New Process Safety Management Regulation for Refineries Clyde Trombetta, Cal/OSHA Process Safety Management Unit, State of California
Lessons Learned and Advances in Human Factors and Safety Culture in Process Safety Management (PSM) in the Energy Industry: From Up – To Downstream Najmedin Meshkati, Ph.D., University of Southern California
Requirements for Hazardous Liquid Pipelines That Could Impact Environmental and Ecologically Sensitive Areas, Regulatory Update Joshua Cleaver, California Department of Forestry and Fire Protection
Leading Health, Safety, and Environmental Indicators in the Oil Field Nima Jabbari, Ph.D., P.E., University of Southern California

3:00 - 4:00 PM	DOOR PRIZE DRAWING IN TECHNOLOGY EXHIBITION AREA
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