California State Lands Commission
presents

PREVENTION FIRST 2018

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

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as of June 13, 2018

SPONSORSHIP AND EXHIBITOR OPPORTUNITIES

View the Prevention First 2018 Sponsorship Deck online:
http://www.slc.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@slc.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 (LBG), 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* ◈ **Mick Langford**, Vice-President and General Manager, *Trelleborg Marine Systems North America* ◈ **Jennifer Lucchesi**, Executive Officer, *CSLC*

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
Madeline Cavelieri, *California Coastal Commission*

Maritime Industry and the Resilient Port Challenge
Jason Giffen, *Port of San Diego*

TBD
Karlene Roberts, Ph.D., *University of California, Berkeley*

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*

Richmond Long Wharf Loading Arm Replacement Project – Design and Execution Lessons Learned
Bipin Sitaram and Anna Tsai, *Chevron*

Concrete Damage Repairs of Existing Marine Terminal
Bernardo Waisman, P.E., *COWI Marine*

Shell's Proposed New MOT at POLA
Heidi Goebel, P.E., *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 Law: Legal Definitions, History, and the Present
Peter Pelkofer, *CSLC*

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: Donald Paul, *USC Energy Institute* and Chris Fox, *CSLC*

Advances in Emissions Control Technology for Marine Operations
Anoosheh Oskouian, *Shore & Environmental Inc.*

TBD
Albert Williams, *Chevron*

The Impact of Digital Transformation on Oil &Gas Operations and HSE Performance
Donald Paul, *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 CARB's Marine Programs to Reduce Air Emissions
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 & Wharves
Gayle S. Johnson, P.E., *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, *LA Pilots*

Dynamic Under Keel Clearance (UKC) Project for the Port of Long Beach
Capt. Kip Louttit, *Marine Exchange of Southern California*

What's New Under the Sun?
Annie Nelson, *OSPR*

4B Renewable Energy Resources
Moderators: Shahed Meshkati and Greg Peika, *CSLC*

Biomass Power – Energy the Natural Way
Russell Huffman, *Greenleaf Power*

Geothermal Development in the 21st Century
Vince Signorotti, *Energy Source*

Ensuring Compatibility with Current & Emerging Renewable Energy Technologies and the Viability of the DoD Training and Testing Mission
Steve Chung, *NRSW Regional CPLO, Department of the Navy*

Identification of Barriers and Implementation of the Renewable Energy Program in India
Shailendra Kumar Pokhriyal, *UPES*

4:30 - 6:30 PM **EVENING RECEPTION**

Wednesday, September 26

7:30 - 8:30 AM **CONTINENTAL BREAKFAST**

8:30 - 10:00 AM **MORNING BREAKOUT SESSIONS**

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
Stephen Lolacono, Science Coordinator, *California Maritime Academy*

Shore-Based Ballast Water Treatment in California: Feasibility, Costs, and Next Steps
TBD, *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*

Geotechnical Considerations for Piping Support Over Bulkheads
Uday K. Patil, P.E., G.E., *Globus Engineering*

POSF Seawall Earthquake Safety & Disaster Prevention Program
Rod K. Iwashita, P.E., *Port of San Francisco*

3C Cosco Busan 11 Years Later
Moderator: Yvonne 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*

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
Ajibola Adeyeye, *ExxonMobil*

California Offshore Oil and Gas Facility Decommissioning Outlook and Challenges
John Smith, *Bureau of Ocean Energy Management, Pacific OCS Region (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 Cebalos-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
Marc Percher, P.E., and Monica Maruri, P.E., *Moffatt & Nichol*

Nonstructural Components, Nonbuilding and Building Structures
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, *T&T Marine Salvage, Inc.*

Response to Non-Floating Oils in California
Annie Nelson, *OSPR*

TBD
Joe Walsh, *Clyde & Co. US LLP*

4D Managing Well Abandonment and Facility Decommissioning
Moderators: Matt Rezvani, *CALSTAD* and 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.* and 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 Funded Research
Moderator: Chris Scianni, *CSLC*

Evaluating Lay-Up Times of Ships as a Risk Factor for Marine Invasions
Ian Davidson, *Smithsonian Environmental Research Center*

Examining Trends in Vessel Movement and Characterizing the Microbiome of Arriving Ballast Water
Bill 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*

2E Terminals and Marinas
Moderator: Helen Galope, P.E., *CSLC*

MOTEMS Compliance for Multiuse Terminals
William Bruin, P.E., *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
Martin L. Eskijian, P.E., *CSLC;* Patrick J. Lynette, Ph.D. and Adam Keene, *University of Southern California*

3E Spill Management Team and Regulations Update
Moderator: Yvonne Addassi, *OSPR*

A Review of OSPR's Unannounced Spill Management Team Drill Program
Cassidee Shinn, *OSPR*

Marine & Inland Regulations Update
Ryan Todd, *OSPR*

4E Advances in Process Safety Management / Pipeline Safety
Moderators: Vanessa Perez and Ricky Lee, *CSLC*

Introduction to Non-Destructive Testing Techniques and their Use in the Oil Field
Mike Williams, *California Resources Corporation*

Process Safety Management in Refineries
Clyde Trombettas, *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, *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, *University of Southern California*

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

as of June 13, 2018