



Tenth Biennial
OSPR/Chevron Oil Spill Response Technology
Workshop

Estuary & Ocean Science
Center 3152 Paradise Drive
Tiburon, CA 94920

March 27-30, 2023

***DRAFT* AGENDA**

Last update: 3/21/23

Check back for updates until document indicates "FINAL."

Speaker Abstracts and Bios

Registration links can be found at the top of **each day** and must be done separately for each day.

Parking is very limited! CARPOOLING is REQUIRED. There is no nearby parking when the lot is full.

Questions may be directed to techworkshop2023@wildlife.ca.gov.

Training Day - Monday, March 27, 2023 – [REGISTER TO ATTEND MONDAY](#)

TRAINING DAY - OIL SPILL RESPONSE/SCIENCE BASICS Session Chair: Maria Hartley Co-Host: Greg McGowan		
Time (PST)		Presenter(s), Affiliation
1000	Welcome and Agenda Review	Maria Hartley, Chevron Greg McGowan, OSPR
	DRAFT Program: <ul style="list-style-type: none"> • Oil in the Environment: Fate and Transport • Reporting, Notifications, and Activation • ICS Overview • Mapping and Characterizing Oil: SCAT and GIS / Remote Sensing • Resources at Risk: Identification and Protection • Spill Containment and Oil Recovery LUNCH BREAK <ul style="list-style-type: none"> • Applied Response Technology & Oil Spill Cleanup Agents • Oiled Wildlife Response • Non-Floating Oils • Liaison and Public Information • Public Health • How To Get Involved 	TBD

*Speaker is presenting remotely.

Tuesday, March 28, 2023 – [REGISTER TO ATTEND TUESDAY](#)

Session 1		
WORKSHOP DAY 1 - AGENCY UPDATES (Federal, Canada, & OSPR)		
Session Chair: Greg McGowan Co-Host: Annie Nelson		
Time (PST)	Topic	Presenter(s), Affiliation
0800	Safety and Agenda Review	OSPR & Chevron
0805	OSPR Welcome	Amir Sharifi, OSPR Deputy Administrator
0810	Chevron Welcome	Tolly Graves, Richmond Refinery Director
0815	USCG Research and Development Center for Oil Spill Response Research Update	*Alex Balsley, Benedette Adewale, USCG R&D
0835	Bureau of Safety and Environmental Enforcement (BSEE) Oil Spill Response Research Update	*Karen Stone, BSEE
0855	Ohmsett Overview, Recent Activities, and Future Plans	Tom Coolbaugh, ARA
0915	NOAA Spill Science Update	*TBD, NOAA
0935	The Multi-Partner Research Initiative: A Scientific Research Network under Canada's Oceans Protection Plan to Support Decision Making in Oil Spill Response	*Ken Lee, DFO-MPRI
0955	OSPR Update	Greg McGowan, OSPR

15-minute BREAK

Session 2		
WORKSHOP DAY 1 - RENEWABLE FUELS		
Session Chair: Ellen Faurot-Daniels Co-Host: Greg McGowan		
Time (PST)	Topic	Presenter(s), Affiliation
1030	Spill Response Considerations for Renewable Fuels	Greg McGowan, OSPR
1050	Biodiesel and Renewable Diesel – What is it, Where Does it Come From, and How is it Transported?	Joe Korpi, Chevron
1110	Analytical Tools for Renewable Fuel Spill Response	Martice Vasquez, OSPR

LUNCH BREAK (1130-1230)

Session 3		
WORKSHOP DAY 1 - NON-FLOATING OIL (NFO)		
Session Chair: Annie Nelson Co-Host: Ellen Faurot-Daniels		
Time (PST)	Topic	Presenter(s), Affiliation
1230	Advancements in Non-Floating Oil (NFO) Detection and Recovery Operations	Jim Elliott, *Sandy Borthwick, Teichman Group, LLC
1250	Deep River Derelict Barge Sunken Oil Spill Response	Sonja Larson, WA
1310	Oil Spill Assessment Maps of the Central Salish Sea - Marine and Coastal Habitats of Concern - A Tool for Oil Spill Mitigation Applicable to California	H. Gary Greene, SJSU

*Speaker is presenting remotely.

Tuesday, March 28, 2023, Continued

Session 4		
WORKSHOP DAY 1 - APPLIED RESPONSE TECHNOLOGIES (ART)		
Session Chair: Ellen Faurot-Daniels Co-Host: Greg McGowan		
Time (PST)	Topic	Presenter(s), Affiliation
1330	Sustainable Open-Cell Polyolefin Sorbent Foams for Oil and Chemical Spills, and Results of Tests Conducted at Ohmsett and in Real World Spills as Endorsed by BP and the API	Scott Smith, ECOAquaFlex
1405	Benefits of Use for Oil-Sensitive Super-Absorbent Polymers	*John Brinkman, Imbibitive Technologies
1425	Filter Modified with a Hydrophilic and Oleophobic Coating for Affordable and Efficient Oil/Seawater Separation (virtual demonstration)	*Hunter Ross, CalPoly Pomona

15-minute BREAK

Session 5		
WORKSHOP DAY 1 - MECHANICAL RESPONSE TECHNOLOGY		
Session Chair: Annie Nelson Co-Hosts: Ellen Faurot-Daniels		
Time (PST)	Topic	Presenter(s), Affiliation
1500	Enhancing the Mechanical Recovery of Oil from Marine and Freshwater Environments	Tim Nedwed, ExxonMobil Michel Boufadel, NJ Inst. Tech.
1520	Balaena's New Technology Mitigating Waterborne Debris	Brad Rutledge, Balaena, Inc.

1540 CLOSING COMMENTS – END OF DAY 1

*Speaker is presenting remotely.

Wednesday, March 29, 2023 – [REGISTER TO ATTEND WEDNESDAY](#)

Session 6		
WORKSHOP DAY 2 - REMOTE SENSING, SAMPLING AND GIS		
Session Chair: Maria Hartley Co-Host: Christian Haselwimmer		
Time (PST)	Topic	Presenter(s), Affiliation
0800	Welcome & Agenda Review	Maria Hartley, Chevron
0815	Estimation of Minimum Oil Slick Detection Area using RADARSAT-1/2	Gordon Staples, MDA
0835	SeaCOP: Enhanced Situational Awareness Capacity for Environmental Monitoring, Maritime Security and Navigation Safety	William Hazel, Marine Pollution Control
0900	CDIP: Monitoring and Modeling Waves on the California Coast	James Behrens, Scripps
0920	NWS San Diego Provides Enhanced Weather Support Services for Pipeline Oil Spill Recovery	Alex Tardy & Casey Oswant, NOAA
0940	Update on Pyxis Polarized IR Camera	*David Chenault, Polaris

10-minute BREAK

Time (PST)	Topic	Presenter(s), Affiliation
1010	Slick Sleuth Update: Is it Really an Accident if Event Could've, Should've Been Prevented?	Chris Chase, InterOcean Systems, LLC
1030	Coproducing Operational Drone Solutions for USCG Planning and Response in Alaska	Jessica Garron, U. of Alaska
1050	Marine Monitor (M2): Ocean Conservation Technology	Samantha Cope, Protected Seas
1110	Micro ROVs, a Low Logistics Tool used for First Touch Information Gathering, for Emergency Response & Visual Inspection	David Fraser, Chevron
1130	Utilizing Planet Imagery for Oil Spill Response: Current and Future Monitoring Solutions	Andrea Steffke, PLANET

LUNCH BREAK (1150-1250)

Time (PST)	Topic	Presenter(s), Affiliation
1250	Mapping and Visualization in NOAA's Environmental Response Management Application (v. 5.0)	Ben Shorr, NOAA
1310	Operationalization of UAS System for Oil Spill Response Operations in Arctic Environment	Oscar Garcia, WaterMapping
1330	Comparing Recent Advance in Estimating and Measuring Oil Slick Thickness	Nancy Kinner, Coastal Response Research Center
1350	News Alert: Floating Oil Emits Toxic Gases: Can We Remote Sense It? Preliminary Studies at Coal Oil Point	Ira Leifer, Bubbleology
1410	sUAS-borne Oil Spill Detector Using Fluorescence	Benjamin Hart, Michigan Tech Research Institute

10-minute BREAK

*Speaker is presenting remotely.

Wednesday, March 29, 2023, Continued

Session 7	WORKSHOP DAY 2 - PLANNING/ORGANIZATION TOOLS	
	Session Chair: Christian Haselwimmer Co-host: Maria Hartley	
Time (PST)	Topic	Presenter(s), Affiliation
1440	Managing Your PQS (Performance Qualification Standard) Program	*Kenny Rhame, TRG
1500	Identification of Spilled Oil using Alkyl PAH Isomer Ratios from the MV Marathassa (Vancouver, Canada, 2015) – A Case study	Kesavalu Bagawandoss, SGS North America
1520	The Emerging Environmental Co-Risk of Firefighting Foam Applications at Petroleum or Renewable Fuel Release Sites	Andrew McManus, Arcadis
1540	Dashboards	Nita Barve/Zack Floerke, OSPR

1600 CLOSING COMMENTS – END OF DAY 2

*Speaker is presenting remotely.

Thursday, March 30, 2023 – [REGISTER TO ATTEND THURSDAY](#), Demos and Displays

Field Demonstration Day	WORKSHOP DAY 3 - FIELD DEMONSTRATIONS Session Chair: Christian Haselwimmer Co-host: Maria Hartley
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Please follow signs and proceed directly to the lower part of campus near the water.

Marine Monitor (M2) Shore-based Vessel Monitoring Platform

Protected Seas

Samantha Cope

Slick Sleuth

InterOcean Systems, LLC

Chris Chase

Coating for Affordable and Efficient Oil/Seawater Separation Low-cost, High-Sensitivity Sensor Capable of Detecting Floating Oil Through Detection of its Fluorescence

Michigan Tech Research Institute

Benjamin Hart

AquaFlex Open-Cell Foam for Removal of Oil & Chemical Contamination from Water

ECO AquaFlex

Scott Smith

Posi-Shell Spray Coating

Environmental Products, LLC

Andy Smith

Interactive, Low Logistics, Low Cost Remotely Operated Vehicle

Chevron Technical Center

David Fraser

Advancements in Non-Floating Oil Detection and Recovery Operations

Teichman Group, LLC

Jim Elliott

Balaena Oil Spill Response Vessel (OSRV)

Balaena, Inc.

Brad Rutledge

Chevron UAS / Polaris Pyxis and Geospatial Tools for Emergency Response

Chevron Technical Center

Christian Haselwimmer

SISTER – Air Quality Measurement

Bubbleology

Ira Liefer

Spill Response “Wearables”

Blackline Safety

*Speaker is presenting remotely.

David Salazar

HoloLens - Mixed Reality Headset

Chevron

Jared Amdahl

Wildlife Recovery Application

Oiled Wildlife Care Network (OWCN)

Devin Dombrowski

*Speaker is presenting remotely.