

CONFERENCE AGENDA

MONDAY, MAY 15 – Short Courses		*Separate Registration Required	Room
8:00 a.m. – 5:00 p.m.	Coastal Shoreline Cleanup Assessment Technique (SCAT) Basics Instructor: OSRL		201B
8:00 a.m. – 5:00 p.m.	Freshwater Shoreline Cleanup Assessment Techniques (SCAT) Instructor: U.S. EPA		202A
8:00 a.m. – 5:00 p.m.	Basic Oil Spill Forecasting and Modeling (with GNOME 2, others) Instructor: NOAA		202B
8:00 a.m. – 12:00 p.m.	Using RETOS to Assess and Improve Spill Program Readiness for Government or Industry Instructor: Polaris Applied Sciences, Inc.		202C
8:00 a.m. – 12:00 p.m.	Addressing Historical and Cultural Resources Issues During a Spill Response Instructor: NOAA		203A
8:00 a.m. – 12:00 p.m.	Environmental Unit Leader Training for Managers Instructor: NOAA		203B
8:00 a.m. – 12:00 p.m.	Fundamentals of Oil Spill Response Instructor: ITOPF		104A
12:00 p.m. – 1:00 p.m.	Lunch		103AB
1:00 p.m. – 5:00 p.m.	Emergency Restoration During a Spill Response Instructor: NOAA		203A
1:00 p.m. – 5:00 p.m.	Fundamentals of Oil Dispersants and Spill Response-Related Research Instructor: ExxonMobil and OSRL		202C
1:00 p.m. – 5:00 p.m.	Safety and Health Awareness for Oil Spill Cleanup Workers Instructor: National Institute of Environmental Health Sciences, Dillard University Deep South Center for Environmental Justice and OAI, Inc.		203B
1:00 p.m. – 5:00 p.m.	Risk Communications for Oil Spills, Stakeholder Engagement Planning, and Science Communications Instructor: SEA Consulting Group		203C



MONDAY, MAY 15 – Short Courses

*Separate Registration Required

Room

1:00 p.m. – 5:00 p.m.	Oil Aerial Surveillance For Pollution Responders Instructor: NOAA	104A
1:00 p.m. – 5:00 p.m.	EPA Inland Regulatory Programs: Facility Response Plans and Spill Prevention, Control and Countermeasure Rule Instructor: U.S. EPA	201A
1:00 p.m. – 5:00 p.m.	Slow Water and Fast Water Booming Techniques Instructor: U.S. EPA	201B
5:00 p.m. – 7:00 p.m.	IOSC Exhibit Hall Grand Opening and Welcome Reception Sponsored by IPIECA	Exhibit Hall

TUESDAY, MAY 16

Room

7:30 a.m. – 8:30 a.m.	Scholarship Breakfast <i>For scholarship recipients and hosts only</i>	102C
9:00 a.m. – 11:00 a.m.	Opening Plenary Session and Keynote Address featuring Robert Bryce – celebrated author and senior fellow at the Manhattan Institute	Grand Ballroom
9:00 a.m.	Welcome: Kelly Wilson, Anadarko IOSC 2017 Conference Chair	
9:15 a.m.	Government Panel: Moderator Greg DeMarco, ExxonMobil Linda Daugherty, Deputy Associate Administrator for Field Operations, Office of Pipeline Safety, PHMSA Nicole LeBoeuf, Deputy Assistant Administrator, National Ocean Service, NOAA Dana Tulis, Director of Incident Management and Preparedness, USCG Becki Clark, Deputy Director, Office of Emergency Management (OEM), U.S. EPA	
10:00 a.m.	Keynote: Robert Bryce, Senior Fellow, Manhattan Institute	
11:00 a.m. – 5:30 p.m.	Exhibit Hall Open	Exhibit Hall
11:00 a.m. – 12:00 p.m.	Meet the Poster Authors	Exhibit Hall
12:00 p.m. – 1:00 p.m.	Lunch Sponsored by Shell	Exhibit Hall

TUESDAY, MAY 16 **Room**

1:00 p.m. – 2:30 p.m.

PLATFORM 1 SESSIONS

Session 1: Readiness Assessment 202ABC

Session Chair: Dave Davidson, Chevron (retired) and Miguel Moyano, ARPEL

1:00 p.m. RETOS: An International Tool for Assessing Oil Spill Planning and Preparedness (2017-200)

1:20 p.m. Comparing Swedish Oil Spill Preparedness to Regional Countries Using the RETOS Evaluation Tool (2017-253)

1:40 p.m. Oil Spill Preparedness Assurance in a Post Macondo World (2017-130)

2:00 p.m. Validating Marine Oil Spill Response Planning Assumptions and Execution with Analytics Model (2017-209)

2:20 p.m. **Q&A**

Session 2: Case Studies: From the Past to the Future 104C

Session Chair: CDR Lushan Hannah, USCG

1:00 p.m. From the Torrey Canyon to Today: a 60-Year Retrospective of Recovery from the Oil Spill and Interaction with Climate-Driven Fluctuations on Cornish Rocky Shores (2017-138)

1:20 p.m. The Refugio Oil Spill Response: Case Study and Lessons Learned/Best Practices for the Future (2017-353)

1:40 p.m. Oil Behavior and the Response to a Sunken Oil Spill of a Slurry in Quintero Bay, Chile (2017-360)

2:00 p.m. T/B APEX 3508 Case Study: Best Practices for Detection and Recovery of Sunken Oil (2017-024)

2:20 p.m. **Q&A**

Session 3: Laws and Policy 104A

Session Chair: Andy Nicoll, OSRL

1:00 p.m. Revised PREP Guideline Review: What You Should Know? (2017-296)

1:20 p.m. ESA Section 7: Time for a Refresh in the Pre-Spill Planning Consultation Process (2017-373)

1:40 p.m. The International Law Regarding Ship-Source Pollution Liability and Compensation: Evolution and Current Challenges (2017-304)

2:00 p.m. What really is meant by a 'Substantial Threat' of Pollution? - an examination of the term's meaning in the United States and elsewhere (2017-392)

2:20 p.m. **Q&A**

TUESDAY, MAY 16 **Room**

Session 4: Integrating Science into Response I 203ABC
Session Chairs: Chris Reddy, WHOI and Steve Lehmann, NOAA

- 1:00 p.m. A Comparison of Shoreline Cleanup Assessment Technique (SCAT) Visual Observations of Oiling and Measured Soil and Sediment Chemical Concentrations following the 2010 Deepwater Horizon Accident (2017-299)
- 1:20 p.m. Joint Industry Sponsored Effort to Evaluate Post-Macondo Dispersant Research (2017-268)
- 1:40 p.m. Recent Studies on Fate and Degradation of Hydrocarbons Dispersed Subsea (2017-227)
- 2:00 p.m. Integrated Ocean Observing Systems as a source of scientific information for supporting oil spill response - From Gulf of Mexico to Gulf of Guinea (2017-043)
- 2:20 p.m. Q&A

Session 5: Response Technology: Dispersants 104B
Session Chair: Paul Schuler, OSRL

- 1:00 p.m. Analysis of Hazards of Dispersant Constituents and Review of Toxicological Studies (2017-188)
- 1:20 p.m. Comparative Study to Determine the Biodegradability of Dispersants At Environmentally Relevant Concentrations (2017-221)
- 1:40 p.m. Large Scale Comparative Testing of Corexit EC9500A, Finasol OSR 52, Accell Clean DWD, Marine D-Blue Clean, and ZI 400 at Ohmsett (2017-064)
- 2:00 p.m. Evaluation of Oil Fate and Exposure from a Deep Water Blowout With and Without Subsea Dispersant Injection Treatment as Well as Traditional Response Activities (2017-094)
- 2:20 p.m. Q&A

1:00 pm – 5:00 pm [Film Festival and Photo Gallery](#) 204

2:30 p.m. – 3:00 p.m. Refreshment Break Exhibit Hall

3:00 p.m. – 4:30 p.m. **PLATFORM 2 SESSIONS**

Session 6: Training 202ABC
Session Chair: Mark Dix, NOAA

- 3:00 p.m. In a Hostile Environment? Skills Needed for Success (2017-131)
- 3:20 p.m. Selection and Training Guidelines for In Situ Burning Personnel (2017-393)
- 3:40 p.m. Standing Up a Comprehensive Training and Position Qualifications Program for a Response and Regulatory Organization (2017-146)
- 4:00 p.m. NOFO Oil spill response "The way we train" (2017-056)
- 4:20 p.m. Q&A

TUESDAY, MAY 16

Room

Session 7: Sunken Vessels

Session Chair: CDR Mark Sawyer, USCG and David DeVilbiss, GDS

104C

- 3:00 p.m. Derelict and Abandoned Vessels: A Unique State Approach to Prevention and Removal (2017-408)
- 3:20 p.m. To Remove or Not to Remove? Dealing with Pollution Risks from Ship Wrecks (2017-155)
- 3:40 p.m. Recovery of a Toxic Cargo from the sunken Tank Barge ARGO (2017-401)
- 4:00 p.m. Tank Barge ARGO: A Case Study on the Employment of NCP Special Teams (2017-420)
- 4:20 p.m. Q&A

Session 8: Fate & Monitoring of Spilled Oil

Session Chair: Richard Johnson, ITOPF

104A

- 3:00 p.m. The Great Patagonian Oil Spill (Metula), 41 years later (2017-300)
- 3:20 p.m. Towards an Understanding the Evolution (Fate and Transport) of the 2010 Deepwater Horizon Oil Spill (2017-192)
- 3:40 p.m. Establishing Post Spill Environmental Monitoring Processes: Experience from the United Kingdom Premium Initiative (2017-258)
- 4:00 p.m. Are Oxygenated Hydrocarbons Important Oil Degradation Products After Oil Spills? (2017-186)
- 4:20 p.m. Q&A

Session 9: Wildlife Issues

Session Chair: Dr. Will Gala, Chevron

203ABC

- 3:00 p.m. Improving Biological Assessments and Consultations for Regional Response Team Preauthorization Plans: An Example with Federal Region 4 Gulf of Mexico and South Atlantic (2017-331)
- 3:20 p.m. Post-release Monitoring of Oiled Brown Pelicans from the 2015 Refugio Oil Spill (2017-119)
- 3:40 p.m. Cooperation between Response Crews and Land Managers Protects Snowy Plovers During the Refugio Oil Spill (2017-224)
- 4:00 p.m. Assessment of Oil Weathering and Impact in Mangrove Ecosystem: PRISME Experiment (2017-407)
- 4:20 p.m. Q&A

TUESDAY, MAY 16 **Room**

Session 10: Response Technology: Dispersant Operations 104B
Session Chair: Ann Hayward-Walker, SEA Consulting

- 3:00 p.m. Global Dispersant Stockpile Approvals in Asia Pacific: Current Status and On Going Challenges (2017-248)
- 3:20 p.m. Overview of the American Petroleum Institute (API) Joint Industry Task Force Subsea Dispersant Injection Project (2017-330)
- 3:40 p.m. Dispersant Performance: Finding New Results in Existing Data (2017-092)
- 4:00 p.m. Developing an Innovative Dispersant Spray Model (2017-280)
- 4:20 p.m. Q&A

5:00 p.m. – 6:30 p.m. **HOT TOPIC SESSIONS**

Pipeline Emergency Response Practices 104A
Moderator: Colin Frazier, API

Plains All American Pipeline L.P.

Plan Holder/OSRO Collaboration in Providing Response Capabilities for Planning and Response in Remote Locations 104B
Moderator: Suzanne Lemieux, API

Stephen Pepper, Phillips66 and Judith Roos, MSRC

WEDNESDAY, MAY 17 **Room**

7:30 a.m. – 8:30 a.m. Scholarship Breakfast 102C
For scholarship recipients and hosts only

8:00 a.m. – 9:30 a.m. **PLATFORM 3 SESSIONS**

Session 11: Training and Preparedness 202ABC
Session Chair: Nick Quinn, AMOSC

- 8:00 a.m. Designing and Developing Exercises to Enhance Capability - A Meta Analytic View (2017-249)
- 8:20 a.m. Growing Subject Matter Experts – Nature vs Nurture (2017-251)
- 8:40 a.m. Preparedness Decision Making in Offshore Oil and Gas - How much is enough? (2017-125)
- 9:00 a.m. Worst Case Preparation and Environmental Risk Based Dimensioning of Oil Spill Response (2017-079)
- 9:20 a.m. Q&A

WEDNESDAY, MAY 17 **Room**

Session 12: Global Perspectives 104C
Session Chair: Rob Cox, IPIECA

- 8:00 a.m. A True Roadmap for Developing Response Preparedness Capacity in Developing Nations (2017-352)
- 8:20 a.m. The Incoming Regional Response Regime in ASEAN (2017-256)
- 8:40 a.m. Angola Coastal Mapping and Tactics for Oil Spill Response (2017-320)
- 9:00 a.m. A Journey to Effective Response: Experience from Kazakhstan (2017-152)
- 9:20 a.m. Q&A

Session 13: Evolving Approaches to Mapping 104A
Session Chair: Dr. Rob Holland, OSRL

- 8:00 a.m. Sequestered Oil Pollution Mapping, and Tracking Active Oil Breakouts in Sensitive Rivers, Bays, and Estuaries (2017-376)
- 8:20 a.m. Developing a better Common Operating Picture (COP) Using Open Source Data in a Web Map Solution (2017-090)
- 8:40 a.m. Electronic Wildlife Recovery Tool (2017-225)
- 9:00 a.m. Sensitivity Mapping for Oil Spill Response: A Comprehensive Framework to Identify Wildlife and Areas at Risk Along the Coastline of Brazil (2017-365)
- 9:20 a.m. Q&A

Session 14: Natural Resource Damage I 203ABC
Session Chair: Dr. Nancy Kinner, UNH

- 8:00 a.m. The Dose-Response Hill Slope used in the Aquatic Toxicity Module of Oil Spill Models should be Much Steeper (2017-348)
- 8:20 a.m. Assessing Natural Resource Damages for Commercially and Recreationally Harvested Populations (2017-339)
- 8:40 a.m. Science Highlights from DWH Natural Resource Damage Assessment - Part 1
- 9:00 a.m. Science Highlights from DWH Natural Resource Damage Assessment - Part 2
- 9:20 a.m. Q&A

WEDNESDAY, MAY 17		Room
	<p>Session 15: Response Technology: In-Situ Burning Session Chair: Ed Levine, NOAA</p> <p>8:00 a.m. Thermal Properties and Burning Efficiencies of Crude Oils and Refined Fuel Oil (2017-153) 8:20 a.m. Direct Quantitative Measurement of In-Situ Burn (ISB) Rate and Efficiency (2017-412) 8:40 a.m. Physical and Chemical Characterization of In-Situ Burn Residue Encountered by a Deep-Water Fishery in the Gulf of Mexico (2017-185) 9:00 a.m. The Fate of PAHs Resulting from In-situ Oil Burns (2017-035) 9:20 a.m. Q&A</p>	104B
8:00 a.m. – 11:30 a.m.	Film Festival and Photo Gallery	204
9:30 a.m. – 5:30 p.m.	Exhibit Hall Open	Exhibit Hall
9:30 a.m. – 10:00 a.m.	Refreshment Break	Exhibit Hall
10:00 a.m. – 11:30 a.m.	PLATFORM 4 SESSIONS	
	<p>Session 16: Communications & Stakeholder Engagement Session Chair: Wyman Briggs, USCG</p> <p>10:00 a.m. The Positives and Perils of Communicating with the Public (2017-418) 10:20 a.m. Stakeholder Analysis for On-Scene Coordinators and Area Committees: A simplified multi-step technique to understand grassroots participation 92017-362) 10:40 a.m. Establishing New Best Response Standards Through Positive Communication: A Look at Best Response Criteria 20 Years Later (2017-132) 11:00 a.m. Sharing Good Practice throughout the Responder Community: Ten Years of the Global Response Network (2017-290) 11:20 a.m. Q&A</p>	202ABC
	<p>Session 17: Arctic Planning Session Chair: Tony Zamora, ERM</p> <p>10:00 a.m. Long Term Oil in Ice Exposure Studies for Enhancing Arctic NEBA Science Base (2017-097) 10:20 a.m. To Cooperate or Not? Why Working Together is Essential in the Arctic (2017-078) 10:40 a.m. International Ice Services' Planning for an Arctic Oil Spill Response (2017-382) 11:00 a.m. Two New EPPR Guides to Arctic Oil Spill Response, Strategic and Operational (2017-150) 11:20 a.m. Q&A</p>	104C

WEDNESDAY, MAY 17

Room

Session 18: Sub Surface Transport Modeling

104A

Session Chair: CJ Beegle Krause, Sintef

10:00 a.m. Prediction of Oil Droplet Movement and Size Distribution: Lagrangian method and VDROD-J model (2017-306)

10:20 a.m. Effects of Tip Streaming on the Prediction of Droplet Size Distribution in the Presence of Dispersants during Subsea Blowouts (2017-193)

10:40 a.m. Oil Plume Simulations: Tracking oil droplet size distribution and fluorescence within high-pressure release jets (2017-137)

11:00 a.m. A Comprehensive System for Simulating Oil Spill Trajectory and Behaviour in Subsurface and Surface Water Environments (2017-184)

11:20 a.m. Q&A

Session 19: Integrating Science into Response II

203ABC

Session Chair: Prof. Glenn Frysinger, USCG

10:00 a.m. Coral Toxicity Research for Determining Thresholds for Dispersant-Use NEBA Calculations (2017-136)

10:20 a.m. An Innovative Experimental Device to Assess the Behavior of a Chemical under Controlled Environmental Parameters (2017-381)

10:40 a.m. The Canadian Oil Spill Shoreline Research Program: establishing a baseline dataset for the marine coast of Northern British Columbia (2017-182)

11:00 a.m. Spill Impact Mitigation Assessment Framework for Oil Spill Response Planning in the Arctic Environment (2017-351)

11:20 a.m. Q&A

Session 20: Response Technology: Mechanical Recovery

104B

Session Chair: John Allen, SCAA

10:00 a.m. Recent Research and Development Testing Conducted at Ohmsett - The National Oil Spill Response Research and Renewable Energy Test Facility (2017-321)

10:20 a.m. Evaluation of Oleophilic Skimmer Performance in Diminishing Oil Slick Thicknesses (2017-086)

10:40 a.m. Innovative Oil Spill Recovery Technology Developments (2017-404)

11:00 a.m. Results from testing Skimmers with Diesel and Hybrid Fuel Oils in cold seawater (2017-096)

11:20 a.m. Q&A

11:30 a.m. – 1:00 p.m.

Awards Luncheon

Join your fellow IOSC colleagues as awards are presented to the highest rated films and photos from IOSC 2017's film and photo submissions. Awards will also be presented to the best posters in different categories.

Grand Ballroom

WEDNESDAY, MAY 17 **Room**

1:00 p.m. – 4:30 p.m. [Film Festival and Photo Gallery](#) 204

1:00 p.m. – 4:30 p.m. [Technical Demonstration: The Evolution of Oil Spill Response](#) Promenade

1:00 p.m. – 2:30 p.m. **PLATFORM 5 SESSIONS**

Session 21: Spill Preparedness and Planning 202ABC
Session Chair: Eric Miller, BSEE

- 1:00 p.m. The Next Generation of Planning Concepts for Offshore Oil Spill Preparedness (2017-333)
- 1:20 p.m. Putting Spill Impact Mitigation Analysis (SIMA) into Action for Spill Response Planning in the US (2017-413)
- 1:40 p.m. Metacognitive Decision Making in Oil Spill Response- Behavioral Bias in Relation to Perceived Risk (2017-205)
- 2:00 p.m. Benefits of Arctic Planning and Response International Coordination: 2015 Engagement by Norwegian Coastal Administration (NCA) and U.S.C.G. Office of Marine Environmental Response Policy (MER) (2017-026)
- 2:20 p.m. Q&A

Session 22: Coldwater Oil Spill Research 104C
Session Chair: Kurt Hansen, USCG

- 1:00 p.m. Advances from Arctic Oil Spill Response Research (2017-161)
- 1:20 p.m. State-of-the-Art Oil Spill Trajectory Prediction in Ice Infested Waters: a Journey from High Resolution Arctic-wide Satellite Data to Advanced Oil Spill Trajectory Modeling - What You Need to Know (2017-274)
- 1:40 p.m. Evaluation of Oil Spill Modeling in Ice Against In Situ Drifter Data from the Beaufort Sea (2017-356)
- 2:00 p.m. Effectiveness of Chemical Dispersants used in broken ice conditions (2017-095)
- 2:20 p.m. Q&A

WEDNESDAY, MAY 17		Room
Session 23: Surveillance & Remote Sensing Session Chair: Oscar Garcia, ExxonMobil and Dave Palandro, FSU		104A
1:00 p.m.	Oil Leak Detections with a Combined Telescopic Fluorescence Sensor and a Wide Band MultiBeam Sonar (2017-042)	
1:20 p.m.	Automated system for near-real time prediction of oil spills from EU satellite-based detection service (2017-244)	
1:40 p.m.	Optimized Operational Airborne Oil Spill Remote Sensing: POSEIDON, the Quantitative Approach (2017-372)	
2:00 p.m.	Verification of a Marine Pollutant Surface Plume Model for Use in the Development of Autonomous Vehicle Tracking Systems (2017-361)	
2:20 p.m.	Q&A	
Session 24: Transboundary Response Session Chair: Robert Limb, OSRL		203ABC
1:00 p.m.	Efforts by NGOs to Foster Greater Cooperation on Oil Spill Response, Damage Assessment, Restoration and Communication Between Russia and the United States (2017-363)	
1:20 p.m.	The Development of Trans-Boundary Spill Response Cooperation across West, Central and Southern Africa (2017-269)	
1:40 p.m.	Impact and Implications of an International Oiled Wildlife Response Preparedness Project (2017-133)	
2:00 p.m.	Environmental Unit During Transboundary Spill Response: A Model for Training ICS Implementation during International Spills (2017-396)	
2:20 p.m.	Q&A	
Session 25: New Aspects of Response Technologies Session Chair: Kurt Kriter, OSRL		104B
1:00 p.m.	Oil Spill Response Technologies (OSR) Since Macondo: A Review of Improvements and Novelties (2017-394)	
1:20 p.m.	Assessment of Bioremediation Agent Efficiency: Development of Test Protocol. Preliminary results (2017-410)	
1:40 p.m.	Round-Robin Testing of a New EPA Solidifier Effectiveness Protocol (2017-088)	
2:00 p.m.	Development of biological process for Kuwait crude oil contaminated soil (2017-154)	
2:20 p.m.	Q&A	
2:30 p.m. – 3:00 p.m.	Refreshment Break Sponsored by Chevron	Exhibit Hall

WEDNESDAY, MAY 17

Room

3:00 p.m. – 4:30 p.m.

PLATFORM 6 SESSIONS

Session 26: Inland Spill Preparedness 202ABC
Session Chair: Faith Fitzpatrick, USGS

3:00 p.m. Options for Minimizing Environmental Impacts of Inland Spill Response: New Guide from the American Petroleum Institute (2017-054)

3:20 p.m. Inland Geographic Response Plan for Complex, Variable, Limited Access River Settings (2017-427)

3:40 p.m. Inland Wildlife Response: A Different Animal (2017-311)

4:00 p.m. Methodological Proposal for Evaluation of Oil Spills Environmental Vulnerability in Rivers (2017-397)

4:20 p.m. Q&A

Session 27: Oil in Ice Detection 104C
Session Chair: Catherine Berg, NOAA

3:00 p.m. Advances in Remote Sensing Research on Oil and Ice from the IOGP Arctic Oil Spill Response Technology JIP (2017-044)

3:20 p.m. Remote Sensing of Oil In and Under Ice in a Climate-Controlled Test Basin (2017-111)

3:40 p.m. Detection of Oil in and under Ice (2017-147)

4:00 p.m. Oil in and under Ice Detection using Nuclear Magnetic Resonance (2017-387)

4:20 p.m. Q&A

Session 28: Surface Transport Modeling 104A
Session Chair: Scott Lundgren, NOAA

3:00 p.m. Short-Term and Medium-Term Forecast of Oil Spill Trajectories: Application to Local and Regional Scales (2017-238)

3:20 p.m. Experimental and numerical investigation of the formation of Oil Particle Aggregates (OPA) (2017-187)

3:40 p.m. Oil Spill Risk Analysis for Assessing Environmental Contact Probabilities in the Gulf of Mexico (2017-051)

4:00 p.m. Modeling Transport of Oil from the Refugio Bay Oil Spill (2017-288)

4:20 p.m. Q&A

WEDNESDAY, MAY 17

Room

Session 29: Hazardous/Noxious Substances (HNS)

203ABC

Session Chair: Kyle Kolwaite, OBG

- 3:00 p.m. Assessing Spill Risks and Impact from Hazardous and Noxious Substances (HNS): Are standard toxicity data enough? (2017-262)
- 3:20 p.m. A Study on Burning Behavior and Convective Flows in Methanol Pool Fires Bound by lices (2017-170)
- 3:40 p.m. Project MARINER: Enhancing HNS Planning and Preparedness via Innovative Training Tools (2017-046)
- 4:00 p.m. Important Considerations for First Responders to Large Volume/High-Concentration Ethanol Spills (2017-104)
- 4:20 p.m. Q&A

Session 30: Risk and Response of Crude-by-Rail

104B

Session Chairs: Aaron Harrington, GDS and Dr. Lyle Trumbull, OBG

- 3:00 p.m. USCG Sector Delaware Bay: Response to Rail Incidents Planning Project (2017-124)
- 3:20 p.m. Quantitative Evaluation of Risks from Crude-by-Rail Spills: A Case Study using the Proposed Shell Puget Sound Refinery Anacortes Rail Unloading Facility (2017-143)
- 3:40 p.m. What Recent HHFT Derailment Fires Tell Us (2017-145)
- 4:00 p.m. Complexities of Oil Spill Contingency Planning for Railroads - Lessons Learned In Washington State (2017-405)
- 4:20 p.m. Q&A

5:00 p.m. – 6:30 p.m.

HOT TOPIC SESSIONS

Exploring the Uses of Unmanned Aerial Systems (UAS) during Spill Response and Emergency Response Operations
Moderator: Suzanne Lemieux (API)

104A

Gulf of Mexico Research Initiative
Moderator: Chuck Wilson, GoMRI

104B

- 5:00 p.m. Marine Oil Snow Sedimentation and Flocculent Accumulation (MOSSFA): intersections between biology and chemistry in the water column and developing response strategies
- 5:20 p.m. Comparison of Sediment Records from the Ixtoc-1 (1979) and DWH (2010) Marine Oil Well Blowouts in the Gulf of Mexico
- 5:40 p.m. Advances in CARTHE Research Program in the Gulf of Mexico
- 6:00 p.m. An Overview on the Gulf of Mexico Research Initiative's Hydrocarbon Intercalibration Experiment (HIE)
- 6:20 p.m. Q&A



THURSDAY, MAY 18

Room

7:30 a.m. – 8:30 a.m.	Scholarship Breakfast <i>For scholarship recipients and hosts only</i>	102C
8:00 a.m. – 9:30 a.m.	PLATFORM 7 SESSIONS	
	Session 31: Health and Safety Session Chair: Declan O'Driscoll, OSRL	202ABC
8:00 a.m.	Potential Health and Safety Concerns for Oil Spill Responders Working in Proximity to Spills of Non- Conventional Crude Oil (2017-231)	
8:20 a.m.	NIEHS Oil Spill Health and Safety Training: Learning from Deepwater Horizon to Improve Future Response Training (2017-334)	
8:40 a.m.	Analysis of Potential for Human Exposure to Aerial Dispersant Application (2017-277)	
9:00 a.m.	Managing Human Risk during an Oiled Wildlife Response (2017-066)	
9:20 a.m.	Q&A	
	Session 32: Arctic Spill Research Session Chair: Doug Helton, NOAA	104C
8:00 a.m.	Experiments at Sea with Herders and In Situ Burning (HISB) (2017-164)	
8:20 a.m.	Oil Droplet Surfacing Probabilities Under Realistic Low Turbulence in Arctic Ice (2017-081)	
8:40 a.m.	Using Dogs to Detect Oil Spills Hidden in Snow and Ice - A new tool to detect Oil in Arctic Environments (2017-347)	
9:00 a.m.	Investigations of skeletal layer microstructure in the context of remote sensing of Oil in Sea Ice (2017-159)	
9:20 a.m.	Q&A	
	Session 33: Fate of Spilled Diluted Bitumen Session Chair: Brian House, Moran Environmental Recovery	104A
8:00 a.m.	Comparative Study on Rate of Biodegradation of Diluted Bitumen and Conventional Oil in Fresh Water (2017-271)	
8:20 a.m.	Meso-Scale Studies on the Penetration and Retention of Diluted Bitumen in Different Type of Shorelines, Northern British Columbia, Canada (2017-210)	
8:40 a.m.	Chemical Fate of Photodegraded Diluted Bitumen in Seawater (2017-366)	
9:00 a.m.	Movement and Erosion of Alberta Bitumen Along the Bottom as a Function of Temperature, Water Velocity and Salinity (2017-364)	
9:20 a.m.	Q&A	

THURSDAY, MAY 18		Room
Session 34: Case Studies: Ecological Impacts Session Chair: Deborah French-McCay, RPS		203ABC
8:00 a.m.	Response Considerations in Marine Spills Affecting Tidal Agriculture (2017-307)	
8:20 a.m.	In Situ Burning and Ecological Recovery in an Oil-Impacted Phragmites australis Tidal Freshwater Marsh at Delta National Wildlife Refuge, Louisiana (2017-122)	
8:40 a.m.	Comparative Study of Mangrove Recruitment in Oil Deforested Areas in Guimaras, Philippines (2017-272)	
9:00 a.m.	Challenges of OPA and NMSA Related Responses in the National Marine Sanctuary of American Samoa: NO1 LI HYUNG (2017-226)	
9:20 a.m.	Q&A	
Session 35: Response Management Session Chair: MSTCM Lonnie Evans, USCG		104B
8:00 a.m.	From the Beginning: The 40 Year History of NOAA's Emergency Response Division (2017-014)	
8:20 a.m.	Promoting Unity of Effort during Crises Through the Use of Science to Inform Decision-making (2017-206)	
8:40 a.m.	A Novel Methodology for Net Environmental Benefit Analysis (Spill Impact Mitigation Assessment) (2017-106)	
9:00 a.m.	An Overview of Volunteer Efforts during the Refugio Oil Spill Incident in Santa Barbara, California (2017-168)	
9:20 a.m.	Q&A	
8:00 a.m. – 11:30 a.m.	Film Festival and Photo Gallery	204
9:30 a.m. – 10:00 a.m.	Refreshment Break	Exhibit Hall
9:30 a.m. – 12:30 p.m.	Exhibit Hall Open	Exhibit Hall

THURSDAY, MAY 18

Room

10:00 a.m. – 11:30 a.m. **PLATFORM 8 SESSIONS**

Session 36: Improvements in Preparedness 202ABC
Session Chair: Geeva Varghese, OSRL

- 10:00 a.m. Strengthening Preparedness and Response Decision-Making at the Local Level: Adaptations to Manage Better and Suffer Less (2017-077)
- 10:20 a.m. Incident Management Preparedness Advisors & From Concept to Reality and Beyond (2017-099)
- 10:40 a.m. Creation of National Strike Force Center of Expertise from Coast Guard Modernization (2017-022)
- 11:00 a.m. Environmental Impact in Geographically Remote Areas - An Assessment on Response and Possible Solutions (2017-318)
- 11:20 a.m. Q&A

Session 37: Topics in Data Management and Sampling 104C
Session Chair: Ben Shorr, NOAA

- 10:00 a.m. Data Management, Data Sharing, and Data Dissemination at Drills and Spills (2017-234)
- 10:20 a.m. Why Sample? Understanding Common Sampling Objectives for Oil Spill Response (2017-204)
- 10:40 a.m. Assessing the Representativeness and Sufficiency of Water Samples Collected during and Oil Spill (2017-270)
- 11:00 a.m. Remotely-Sensed Oil and Shoreline Interaction Modeling (2017-233)
- 11:20 a.m. Q&A

Session 38: Shoreline Cleanup Assessment Techniques 104A
Session Chair: Jacqui Michel, RPI

- 10:00 a.m. Canine Oil Detection (K9-SCAT) following 2015 Releases from the T/V Arrow Wreck (2017-183)
- 10:20 a.m. The Use and Misuse of SCAT in Spill Response (2017-261)
- 10:40 a.m. Environment Canada SCAT Manual 3rd Edition: What's new in SCAT? (2017-144)
- 11:00 a.m. Improved SCAT Data Work Flow to Increase Efficiency and Data Accuracy (2017-302)
- 11:20 a.m. Q&A

THURSDAY, MAY 18		Room
Session 39: Industry/Interagency Cooperation Session Chair: Greg DeMarco, ExxonMobil		203ABC
10:00 a.m.	Development and Implementation of a Common Strategy for Operating Companies and OSROs (2017-057)	
10:20 a.m.	The State of the Industry in Sustainable Operations, Prevention, Response, and Waste Management: a review of the use and creation of new sustainable solutions in oil spill response, and case study analyses on the use of sustainable solutions (2017-332)	
10:40 a.m.	Improving Oil Spill Response Capability during Times of Downsizing and Budget Cuts: A glance at the Norwegian way (2017-055)	
11:00 a.m.	One Gulf - Commitment to Preparedness (2017-338)	
11:20 a.m.	Q&A	
Session 40: Dispersant Topics Session Chair: Dr. Tom Coolbaugh, ExxonMobil		104B
10:00 a.m.	Subsea Dispersant Injection (SSDI) - Summary Findings from a Multi-Year Research and Development Industry Initiative (2017-337)	
10:20 a.m.	Effective Planning for Dispersant Operations - Making Decisions, Analyzing Options and Establishing Capability (2017-050)	
10:40 a.m.	The Evolution of a Dispersant Spraying Platform from Turboprop to Jet Engine Aircraft (2017-370)	
11:00 a.m.	Realistic Stable Water-In-Oil Emulsions at Ohmsett (2017-071)	
11:20 a.m.	Q&A	
11:30 a.m. – 12:30 p.m.	Lunch	Exhibit Hall
12:30 p.m. – 2:00 p.m.	PLATFORM 9 SESSIONS	
Session 41: Lessons Learned from Spill Preparedness Exercises Session Chair: Bradford Benggio, NOAA		202ABC
12:30 p.m.	Exercise Westwind - A collaborative oil spill response by Oil & Gas Operators and Agencies (2017-229)	
12:50 p.m.	Tactical Response Planning: An OSRO's Perspective (2017-316)	
1:10 p.m.	Using GIUEs to Improve Marine Environmental Response Preparedness (2017-101)	
1:30 p.m.	California's Drills and Exercises Program: Growing and Improving for Statewide Response (2017-426)	
1:50 p.m.	Q&A	

THURSDAY, MAY 18		Room
Session 42: Advances in Cold Water Response: Herding Agents Session Chair: Al Allen, Spiltec		104C
12:30 p.m.	Ongoing Research on Herding Agents for In Situ Burning in Arctic Waters: Laboratory and Test Tank Studies on Windows-of-Opportunity (2017-067)	
12:50 p.m.	Environmental Partitioning of Herding Agents Used During an In-Situ Burning Field Study in Alaska (2017-148)	
1:10 p.m.	Aerial Application of Herding Agents can Enhance In-Situ Burning in Partial Ice Cover (2017-060)	
1:30 p.m.	Ongoing Research on Herding Agents for In Situ Burning in Arctic Waters: Studies on Fate and Effects (2017-255)	
1:50 p.m.	Q&A	
Session 43: Fate and Effects Session Chair: John Tarpley, NOAA		104A
12:30 p.m.	Lessons learnt from post-release monitoring of oiled penguins: New Zealand CV Rena (2017-114)	
12:50 p.m.	Implementation of Oil Spill Impact Mitigation Measures in Fisheries and Mariculture (2017-359)	
1:10 p.m.	TROPICS Field Study (Panama), 32-Year Site Visit: Observations and Conclusions for Near Shore Dispersant Use NEBA and Tradeoffs (2017-141)	
1:30 p.m.	Fingerprinting of Weathered Oil Residues in Sediments from the Deepwater Horizon Oil Spill: The Importance of Multiple Lines of Investigation (2017-189)	
1:50 p.m.	Q&A	
Session 44: Natural Resource Damage II Session Chair: Dr. Lisa DiPinto, NOAA		203ABC
12:30 p.m.	Water-column Measurements and Observations from the Deepwater Horizon Oil Spill Natural Resource Damage Assessment (2017-167)	
12:50 p.m.	Natural Resource Damage Assessments: Is Cooperation a Good Thing? (2017-241)	
1:10 p.m.	Insights from a New Statistical Analysis of Natural Resource Damage Settlements from Oil Spills in the United States (2017-335)	
1:30 p.m.	Lessons Learned: The Case for Data Optimization between Response and NRDA (2017-284)	
1:50 p.m.	Q&A	

THURSDAY, MAY 18		Room
	<p>Session 45: Unconventional Oil Issues Session Chair: David DuPont, USCG</p> <p>12:30 p.m. Comparative Threat from LNG and Fuel Oil Maritime Accidents (2017-214) 12:50 p.m. Protecting Workers During Crude Oil Train Derailment Response (2017-215) 1:10 p.m. Evaluation of Oil-Sediment Interactions and the Possibility of Oil Sinking in Marine Environments (2017-217) 1:30 p.m. CBR-SpillRISK: A Model to Calculate Probabilities and Volumes of Crude-by-Rail Spills (2017-142) 1:50 p.m. Q&A</p>	104B
12:30 p.m. – 2:00 p.m.	Film Festival and Photo Gallery	204
2:00 p.m. – 2:30 p.m.	Refreshment Break	Grand Ballroom Foyer
2:30 p.m. – 4:00 p.m.	<p>Closing Plenary</p> <p>2:30 p.m. International Panel: Moderated by: Dr. Tom Coolbaugh, ExxonMobil Patricia Charlebois, Deputy Director, Marine Environment Division, IMO Richard H. Johnson, Technical Director, ITOPF Ltd Brian Sullivan, Executive Director, IPIECA</p> <p>3:15 p.m. Plenary Speaker: Gary Shigenaka, Senior Biologist, Emergency Response Division (NOAA)</p> <p>3:45 p.m. Closing Remarks: Kelly Wilson, Anadarko IOSC 2017 Conference Chair</p>	Grand Ballroom
6:00 p.m. – 10:00 p.m.	<p>Closing Event Sponsored by Marine Spill Response Corporation (MSRC) <i>*Separate Registration Required</i></p>	Grand Ballroom