

## 2020 AOSTS Agenda \*\*\*DRAFT\*\*\*

### Day 0: Monday, April 13

1630-1830 Participant Badge pickup at the UAF Pub, Wood Center

### Day 1: Tuesday, April 14

0730 Participant Badge pickup

0800 Welcome: AOSTS Organizing Committee

0815 Dana Tulis, USCG Keynote Address

#### Detection & Tracking session:

0835 Nick Adkins, UAF ACUASI ACUASI's Beyond Visual Line of Sight (BVLOS) UAS ops

0905 Altendorf/Garron, USCG/UAF UAS Protocol for Oil Spill Response

0935 Christian Hasselswimmer Chevron's BVLOS plans during oil spills; fall 2020

#### **1005 BREAK**

1020 Chris Hall, ACS UAS use during North Slope Spill Response Operations

1050 Emily Tissier, WhaleSeeker Automated whale detection system using aerial imagery

#### Contaminant Chemistry / Toxicity / Remediation session:

1120 Birgit Hagedorn, Sustainable Earth Rsch Case Study: Mycoremediation of diesel-contaminated soil

#### **1150 LUNCH**

1320 Chris Reddy, WHOI Toxicokinetics of oil photoproducts and oxygenated hydrocarbon intermediates during spill response

1350 Ben Martich, Geosyntec Consultants STAR (Smolder) soil remediation technique

#### Broader topics session:

1420 John Cowen, Nat'l Wx Svc Weather forecasting tools and support during spill response

#### **1450 BREAK**

1505 Karen Stone, BSEE Overview of BSEE-Sponsored Research

1535 TBD, USCG R&D Center USCG R&D Center's Sponsored Research

1605 Igor Kwiatkowski, HARBO HARBO Boom

1615 Organizing Cmte Closing Comments

**1730 RECEPTION – Pike's Landing, 4438 Airport Way, Fairbanks, AK 99709**

## Day 2: Wednesday, April 15

0730 Participant Badge pickup

0800 Organizing Cmte Welcome Back

### ISB session:

0810 Mark Everett, USCG Current ISB policy and information needs before approving ISB

0840 Mark Cohen, NOAA Oil ISB Modeling with HYSPLIT

0910 Lisa DiPinto, NOAA Measuring slick thickness from above water line

0940 Tim Nedwed, EMAK Advances in herder/burner technology using Remote Surface Vehicles

### **1010 BREAK**

1025 Janne Fritt-Rasmussen The effects of burn residues and herders

1055 Pat Tomco, UAA Chemical herder toxicity

1125 Paul Panetta, OHMSETT Directly measuring burn rate, efficiency, and slick thickness from below

1155 Feiyue Wang, Envr Can Canada's MPRI program, ISB policies, priorities, and facilities

### **1225 LUNCH**

1355 Srijan Agarwhall, UAF Burn residue

1425 Simeon Schumm, Michigan Tech Air quality /PM tracking

### IWI session:

1455 Steven Tuttle, NRL Optimal conditions for IWI, favorable/prohibitory conditions to ignite and sustain burning

### **1510 BREAK**

1540 Tom Coolbaugh, ExxonMobil Condensate chemical properties and burning suitability

1610 Andy Cuthbert, Boots & Coots Oil residue composition, chemical species generation, GOR & explosive atmosphere, mechanical recovery

1640 Organizing Cmte Closing comments

**Day 3: Thursday, April 16**

0830 Coach picks up participants at Pike's Waterfront Lodge

0850 Coach picks up participants at UAF Wood Center

0945 Arrive at Poker Flat Research Range

1000 Demonstrations

1130 Bag Lunch (provided)

1230 Wrap up discussion

1300 Depart Poker Flat

1350 Return participants to UAF Wood Center

1410 Return participants to Pike's Waterfront Lodge