

As of 19 April 2022

ADAC Program Year 8

Annual Meeting

Final Agenda



20-21 April 2022

via Zoom Webinar

Please click this URL to join: <https://alaska.zoom.us/j/89409310871>
(more options for attending below)

Overview

The University of Alaska (UA), Arctic Domain Awareness Center (ADAC) is a United States (U.S.) Department of Homeland Security (DHS), Science and Technology (S&T) Directorate, Office of University Programs (OUP), Center of Excellence (CoE) in Maritime Research. This Annual meeting seeks to facilitate interaction with the following entities:

- U.S. Coast Guard Project Champions,
- U.S. Coast Guard Stakeholders and advocates,
- Other DHS maritime mission communities,
- U.S. Federal officials,
- State of Alaska and local officials,
- Academic/research and industry professionals from across the U.S., and
- International partners and collaborators.

The Annual Meeting theme is “Research for the Arctic Operator....For Today and For the Future” which is planned as a summary review as well as a cumulative review. The goal of the annual meeting is to review the Center’s current research endeavors and look at prior years’ projects to conduct meaningful discussions to foster USCG and our partner community’s thinking in better leveraging ADAC research beyond. Such conversations include aspects of transition and commercialization as suitable to the arctic community at large. The DHS, S&T, OUP, Cooperative Agreement concludes on 30 June 2022 however, this annual meeting will also seek to discuss ADAC’s plan to transition to alternative ways to conduct meaningful arctic research in support of their clients.

This two-day webinar is open to all ADAC’s “customers and partners” across the United States and includes ADAC’s international collaborators. ADAC plans to host this meeting via (Zoom) webinar (details outlined below).

ADAC is planning to post important project materials post attendance of the webinar to ADAC’s website. ADAC will post the following items for review post webinar:

1. Updated Project Video (which explains the project research and application if needed).
2. A pdf copy of the Project Investigator’s PowerPoint presentation.

Webinar information is as follows:

Join from a PC, Mac, iPad, iPhone or Android device: Please click this URL to join.

<https://alaska.zoom.us/j/89409310871>

Or One tap mobile: +13462487799,,89409310871# US (Houston) +16699006833,,89409310871# US (San Jose)

Or join by phone: Dial(for higher quality, dial a number based on your current location): US: +1 346 248 7799 or +1 669 900 6833 or +1 253 215 8782 or +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592

Webinar ID: 894 0931 0871

International numbers available here: <https://alaska.zoom.us/j/89409310871>

Meeting Agenda 20 April 2022 Note both Alaska Daylight Time (AKDT) & Eastern Daylight Time (EDT) are presented.

8:00-8:10 AM AKDT 12:00-12:10 PM EDT	Welcome Remarks Chancellor Sean Parnell, University of Alaska Anchorage Executive Director Jeffrey Libby, University of Alaska Anchorage
8:10-8:20 AM AKDT 12:10-12:20 PM EDT	DHS Keynote Speaker Ms. Wallicia Tapscott, Principal Director, DHS S&T Office of Innovation and Collaboration
8:20-8:35 AM AKDT 12:20-12:35 PM EDT	ADAC Center Overview Executive Director Jeffrey Libby, University of Alaska Anchorage
8:35-9:05 AM AKDT 12:35-1:05 PM EDT	Development of Propeller Driven Long Range Autonomous Underwater Vehicle (LRAUV) System for Under-Ice Mapping of Oil Spills and Environmental Hazards Ms. Noa Yoder, Woods Hole Oceanographic Institute Mr. Brett Hobson, Monterey Bay Aquarium Research Institute
9:05-9:10 AM AKDT 1:05-1:10 PM EDT	LRAUV Project Champion Reflections Ms. Kirsten Trego, Deputy Director, Office of Marine Environmental Response Policy (CG-MER)
9:10-9:40 AM AKDT 1:10-1:40 PM EDT	Arctic Vessel Monitoring Geofencing/Alert Awareness Dr. Shawn Butler, University of Alaska Anchorage
9:40-9:45 AM AKDT 1:40-1:45 PM AKDT	Arctic Vessel Monitoring Geofencing/Alert Awareness Project Champion Reflections □ LT Evan Richter, HQ USCG CG-761□ Mr. James "Dan" Blackman, CSI Systems & Capabilities Management Division (CG-681)
9:45-9:55 AM AKDT 1:45-1:55 PM EDT	Break
9:55-10:25 AM AKDT 1:55-2:25 PM EDT	Arctic Ice Conditions Index (ARCTICE) Ms. Kelsey Frazier, University of Alaska Anchorage
10:25-10:30 AM AKDT 2:25-2:30 PM EDT	Arctic Ice Conditions Index (ARCTICE) Project Champion Reflections CDR Christopher B. Tuckey, HQ U.S. Coast Guard CG-WWM
10:30-11:00 AM AKDT 2:30-3:00 PM EDT	Oil Spill Modeling for Improved Response to Arctic Maritime Spills: the Path Forward Dr. Nancy Kinner, University of New Hampshire□
11:00-11:05 AM AKDT 3:00-3:05 PM EDT	Oil Spill Modeling for Improved Response Project Champion Reflections Ms. Kirsten Trego, Deputy Director, Office of Marine Environmental Response Policy (CG-MER)
11:05-11:35 AM AKDT 3:05-3:35 PM EDT	Alaska and Arctic Maritime Communications and Connectivity Analysis (AAMC&CA) Dr. Douglas Causey, University of Alaska Anchorage Dr. Mark Ivey, Sandia National Labs Dr. Steve Kacenjar, ASRC Federal Mission Solutions
11:35-11:40 AM AKDT 3:35-3:40 PM EDT	AAMC&CA Project Champion Reflections CDR Sam Nassar, HQ USCG CG761
11:40AM-12:00 PM AKDT 3:40-4:00 PM EDT	Education (Work Force Development) Ms. Heather Paulsen, University of Alaska Anchorage Mr. Kevin Fitzpatrick, University of Alaska Anchorage
12:00-12:20 PM AKDT 4:00-4:20 PM EDT	Arctic Summer Intern Program (ASIP) Dr. Doug Causey, University of Alaska Anchorage
12:20-12:40 PM AKDT 4:20-4:40 PM	ADAC Program Financial Review Ms. Heather Paulsen, University of Alaska Anchorage

CONCLUDE DAY 1

Meeting Agenda 21 April 2022

8:00-8:10 AM AKDT 12:00-12:10 PM EDT	USCG Keynote Speaker Mr. Michael D. Emerson, Director, Marine Transportation Systems
8:10-8:25 AM AKDT 12:10-12:20 PM EDT	ADAC PIs (Emeritus and Current) and RD Reflections Dr. Douglas Causey (Emeritus PI), University of Alaska Anchorage Dr. Aaron Dotson (Current PI), University of Alaska Anchorage Dr. Nettie La Belle-Hamer (RD), University of Alaska Fairbanks
8:25-8:35 AM AKDT 12:20-12:35 PM EDT	Overview of the Last 8 Years of Projects Executive Director Jeffrey L. Libby, University of Alaska Anchorage Ms. Heather Paulsen, University of Alaska Anchorage
8:35-9:05 AM AKDT 12:35-1:05 PM EDT	Photo-enhanced toxicity of dispersed and burned crude oil to Arctic mussels Dr. Pat Tomco, University of Alaska Anchorage
9:05-9:10 AM AKDT 1:05-1:10 PM AKDT	Mussels Project Champion LCDR Clifton Graham, USCG, HQ USCG/MER
9:10-9:40 AM AKDT 1:10-1:40 PM EDT	Marine Induced Polarization Methods for the Detection and Mapping of Oil in an Arctic Marine Oil Spill – Ruggedized Field Kit Production and Testing Dr. Scott Socolofsky, Texas A&M University-Corpus Christi Ms. Kari Walker, Induced Polarization Associates
9:40-9:45 AM AKDT 1:40-1:45 PM AKDT	Marine IP Project Champion LCDR Clifton Graham, CG-MER
9:45-9:55 AM AKDT 1:45-1:55 PM EDT	Break
9:55-10:25 AM AKDT 1:55-2:25 PM EDT	Arctic Facilities and Infrastructure Environmental Change Risk Index (ERI) Dr. Matthew Calhoun, University of Alaska Anchorage Ms. Kelsey Frazier, University of Alaska Anchorage
10:25-10:30 AM AKDT 2:25-2:30 PM EDT	ERI Project Champion Reflections Mr. Phil Thorne, Arctic Program Specialist, USCG D-17
10:30-11:00 AM AKDT 2:30-3:00 PM EDT	Remote Unmanned Aircraft System (UAS) Inspection and Response Team Development in the Bering Strait Region Dr. Jessica Garron, University of Alaska Fairbanks
11:00-11:05 AM AKDT 3:00-3:05 PM EDT	UAS Project Champion Reflections CDR Chad Thompson, CG-711
11:05-11:35 AM AKDT 3:05-3:35 PM EDT	Closing Remarks as Former Executive Director and Collaboration Forward Randy “Church” Kee, Maj Gen, USAF (Ret), Senior Advisor, Arctic Security Affairs, Ted Stevens Center for Arctic Security Studies, US Department of Defense
11:35-11:40 AM AKDT 3:35-3:40 PM EDT	Conclusion of Annual Meeting Will remain open for additional questions or concerns or if TSC would like to brief the audience

ADAC Contact:

For more information, contact ADAC Executive Director, Jeff Libby at JLLIBBY@alaska.edu (907) 786-0432.