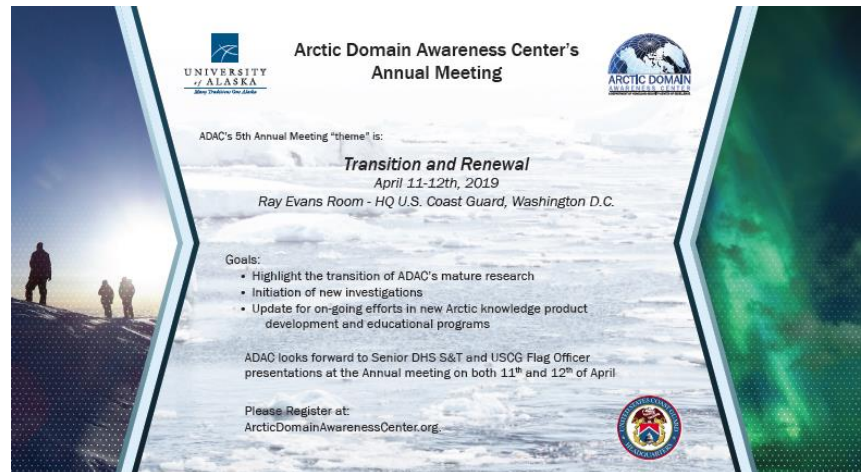


As of 5 April 2019

ADAC Annual Meeting
“Transition and
Renewal”
Updated Plan
11-12 April 2019
Ray Evans Room
HQ U.S. Coast Guard
Washington D.C.



Overview

The Arctic Domain Awareness Center (ADAC) is a U.S. Department of Homeland Security, Science and Technology (S&T) Directorate's University Programs, (UP) Center of Excellence in Maritime Research hosted by the University of Alaska. In accordance with ADAC's Year 5 Work Plan ADAC is planning its third Washington D.C. based Annual Meeting.

Note: This meeting is rescheduled due to the 30 November 7.0 earthquake affecting the greater Anchorage area and a second reschedule as a result of the partial U.S. government shutdown.

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.
- International guests per prior coordination.

The Center will host its **rescheduled** Program Year 5 Annual meeting on **Thursday** and **Friday, 11-12 April 2019** at the Ray Evans Room Headquarters U.S. Coast Guard, Washington D.C. The Annual Meeting theme is "transition and renewal" ...intending to highlight the transition

of ADAC's mature research and the initiation of new research associated with ADAC's recently awarded projects from the 2017 maritime domain awareness technology request for proposal's and accepted project concepts from ADAC's Arctic Incidence of National Significance 2017 workshop.

This meeting is open to ADAC's "customers and partners" across the United States, and with prior coordination (for access to HQ USCG), ADAC's international collaborators.

Registration is now available via a link at ADAC's web-page: <http://www.arcticdomainawarenesscenter.org/>. Registration is free. **ADAC requests all who previously registered to re-register for this rescheduled event.**

In addition to registration, non U.S. Common Access Card (CAC) of Personal Identification Validation (PIV) card holders will need to provide HQ U.S. Coast Guard POCs, Ms Katie Deeter (at Katie.A.Deeter@uscg.mil) and/or Ms Valerie Leone, (at Valerie.R.Leone@uscg.mil) (details at the back of the plan) personal identification information to gain access to HQ USCG.

At the onset of the Annual meeting, ADAC is honored to welcome:

- *Admiral Charles Ray*, Vice Commandant of the U.S. Coast Guard;
- *RDML Tim Gallaudet*, PhD, USN, Ret, Assistant Secretary of Commerce for Oceans and Atmosphere and Deputy NOAA Administrator;
- *Mr. Andre Hentz*, the U.S. Department of Homeland Security Acting Deputy Under Secretary for Science and Technology;
- *Mr. Robert Burns*, Director of the DHS S&T Office of Innovation and Collaboration.

Following VIP remarks, ADAC Leadership will initiate an overview of Center efforts (which include on-going Center activity, including completed and planned workshops), followed by current project presentations. Overall, ADAC is planning a short overview video and discussion for each project and 10 minutes for USCG Project Champion reflections for each project on the agenda.

ADAC is honored to welcome *Mr. Mike Emerson* Director Marine Transportation, Systems Management (CG-5PW), and *Ms. Dana Tulis*, USCG, Director, Incident Management and Preparedness Policy (CG-5RI), to provide their respective reflections on U.S. Coast Guard Arctic mission needs on day 2 of the meeting.

ADAC is planning to start the meeting at 8:30 AM Eastern Standard Time. Suggested attire is Uniform of the Day for military, coat and tie for civilians.

Agenda details follow:

Day 1: Thursday 11 April 2019 (Plenary Session)

7:50-8:20 AM: Registration, Ray Evans Room, HQ USCG.

- 8:25 AM: **Welcome** by ADAC Executive Director (ED), Maj Gen (Ret) Church Kee.
- 8:30-9:00 AM: **Remarks** by Admiral Charles Ray, Vice Commandant of the U.S. Coast Guard.
- 9:00-9:50 AM: **Combined Remarks** by RDML Tim Gallaudet, PhD, USN, (Ret), Assistant Secretary of Commerce for Oceans & Atmosphere & Deputy NOAA Administrator Mr Andre Hentz, DHS Acting Deputy Under Secretary for S&T and Mr Robert Burns, Director of the DHS S&T Office of Innovation & Collaboration.
- 9:50-10:30 AM: **Center Overview** presentations by ADAC (ED), Principal Investigator (PI) and Research Director (RD): Maj Gen (Ret) Church Kee; Dr. Douglas Causey; Dr. Larry Hinzman.
- 10:30-10:40 AM: Break
- 10:40-11:15 AM: **Using Vessel Tracking Data to Prioritize Bathymetric Surveying in a Rapidly Changing Arctic**, Dr. Carol Janzen, Alaska Ocean Observation System. Note: Transition title is Automated Identification System-Prioritized for Arctic Charting (AIS-PAC).
- 11:15-11:25 AM: Reflections from AIS-PAC HQ USCG Project Champion, Dr. Jon Berkson.
- 11:25 AM-12 Noon: **High Resolution Ice-Ocean Modeling and Assimilation System (HIOMAS) Modeling**, Dr. Jinlun Zhang, University of Washington.
- 12 Noon
- 12:10 PM: Reflections from HIOMAS Project Champion, Dr. Jon Berkson.
- 12:10-12:50 PM: Lunch.
- 12:50 PM-1:40 PM: **Propeller Driven Long Range Autonomous Underwater Vehicle (LRAUV)**, Dr. Jim Bellingham and Ms. Amy Kukulya, Woods Hole Oceanographic Institution with remote participation by Mr. Brett Hobson, Monterey Bay Aquarium.
- 1:40-1:50 PM: Reflections from LRAUV HQ USCG Project Champion, Ms. Kirsten Trego.

- 1:50-2:20 PM: **ADAC Education Program Update**, Ellee Matthews, ADAC Education and Administrative Manager and ADAC Fellow, Mr. Richard McElmery and ADAC ASIP Fellow, Midshipman Michael Wegner, USNA.
- 2:20-2:30 PM: Break.
- 2:30-3:05 PM: **Ice Conditions Index for the Great Lakes Region (ICECON) and Arctic ICECON**, Dr. Jifeng Peng, and Dr. Shawn Butler UAA
- 3:05-3:15 PM: Reflections from ICECON HQ USCG Project Champion, CDR William Woityra, USCG.
- 3:15-3:40 PM: **ADAC Program Financial Review** by Fiscal Director, Ms. Heather Paulsen.
- 3:40-3:45 PM: Day 1 Concluding remarks.
- 3:45 PM: Conclusion of Day 1.
- 6:00-7:30 PM: **ADAC (No-Host) Social**, Embassy Suites main atrium, 1900 Diagonal Road Alexandria VA (Casual).

Day 2, Friday, 12 April 2019 (Plenary Session...continued)

- 8:30-8:35 AM: **Welcome back**, ADAC leadership.
- 8:35-9:00 AM: **Remarks by Mr. Mike Emerson** Director Marine Transportation Systems Management (CG-5PW).
- 9:00-9:35 AM: **Arctic Oil Spill Modeling (AOSM)**, Dr. Scott Socolofsky, Texas A&M College Station, Dr Jifeng Peng and Dr. Caixia Wang UAA.
- 9:35-9:45 AM: Reflections from AOSM Project Champion, Ms. Kirsten Trego.
- 9:45-10:20 AM: **Arctic Vessel Monitoring Geofencing/Alert Awareness:**
Dr. Shawn Butler, UAA
- 10:20-10:30 AM: Reflections from Arctic Vessel Monitoring Geofencing/Alert Awareness Project Champion, Hank Blaney, CAPT, USCG (Ret).
- 10:30-10:45 AM: Break

- 10:45-11:20 AM: **Developing Sea-Ice and Weather Forecasting Tools to Improve Situational Awareness and Crisis Response in the Arctic**, Dr. Nathan Kettle, UAF
- 11:20-11:30 AM: Reflections from Sea-Ice and Weather Forecasting Tools HQ USCG Project Champion, Dr. Jon Berkson.
- 11:30 AM
- 12:05 PM: **Arctic All Hazards GIS Platform:** Dr. Marcus Boyd, researcher affiliated with the Study of Terrorism and Responses to Terrorism (START), Emeritus DHS CoE, University of Maryland.
- 12:05-12:15 PM: Reflections from Arctic All Hazards GIS Platform Project Champion, Hank Blaney, CAPT, USCG (Ret).
- 12:15-1:10 PM: Lunch.
- 1:10-1:15 PM: **Welcome & introduce** attending ADAC Executive Counselors.
- 1:15-1:40 PM: Opportunities for remarks by ADAC Executive Counselors.
- 1:40-2:10 PM: **Arctic Summer Intern Program (ASIP)** ADAC ED Kee, with remote participation by Dr Craig Tweedie, UTEP.
- 2:10-2:35: PM: **Evaluation of Potential U.S. Coast Guard Use of Cube Satellites.** Mr. Wade Albright, UAF (via remote participation).
- 2:35-2:50 PM: Break.
- 2:50-3:05 PM: **Reflections of ADAC's new spill response projects.** Ms Dana Tulis, USCG, Director, Incident Management and Preparedness Policy (CG-5RI).
- 3:05-3:20 PM: **Overview of new ADAC "in development/recently approved projects"** associated with Arctic IoNS 2017 (overview provided by ADAC ED):
- **Mitigating the Damage to Arctic Copepods from Surface Oil Spills: When to Apply Dispersants.** Led by Bigelow Laboratory for Ocean Sciences. (Approved)
 - **Photo-enhanced toxicity of dispersed and burned crude oil to Arctic mussels.** Led by University of Alaska Anchorage College of Arts and Sciences, Alaska Sea Life Center and University of New Orleans. (Pending)

- **Marine Induced Polarization Methods for the Detection and Mapping of Oil in an Arctic Marine Oil Spill, including investigation of Oil within and under broken ice fields.** Led by Texas A&M University and Induced Polarization Associates, LLC. (Pending)
- **Oil Spill Modeling for Improved Response to Arctic Maritime Spills: The Path Forward.** Led by University of New Hampshire, Coastal Response Research Center, Center for Spills in the Environment. (Approved)

3:20-3:30 PM: ADAC Year review of items of interest from concluded/discontinued projects by ADAC ED.

3:30-3:40 PM: ADAC Way Ahead and Concluding remarks by ADAC PI. RD and ED.

3:40 PM: Close of ADAC Annual Meeting

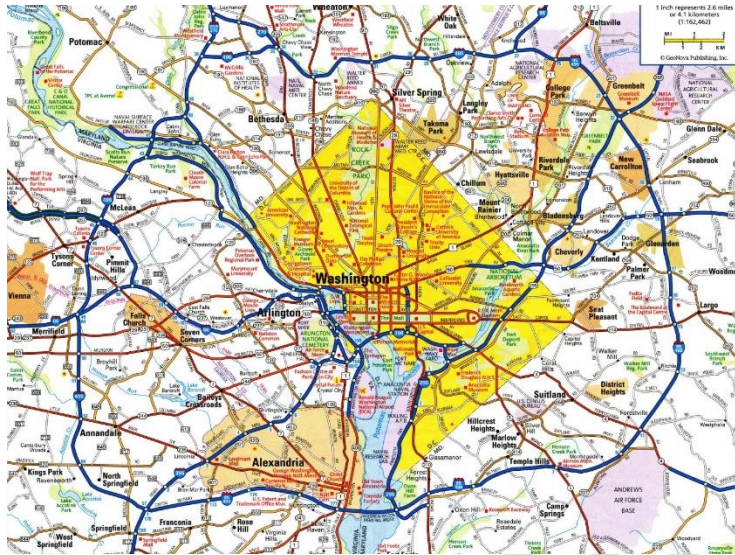
Washington DC logistics information.

Airport suggestion: For Annual meeting participants flying in for the ADAC Annual meeting, the Center suggests using Washington Reagan (DCA), as this airport gives you ready access to the DC Metro...an easy and economical way to travel in town.

Lodging suggestions: Alexandria, Arlington and Washington DC offer a wide variety of hotel accommodations, with suitable commutes to HQ USCG. FYI, ADAC is staying at the Embassy Suites in Old Town Alexandria, and just across the street is a Sheraton Hotel. Both these hotels are adjacent to King Street metro station. For further information, consideration please see: <https://hotelguides.com/washington-dc/map-washington-dc-hotels.html>

Transportation suggestions:

- Rental car/Taxi/Uber/Lyft, general directions are to get to I-295, and take the Suitland Parkway exit, or South Capitol Street SE, onwards to **1790 Ash St, SE,** Washington D.C. 20593-7000. Below map shows the overall orientation:



- Metro: HQ USCG is accessible via metro on the Green Line/Anacostia station, with adjoining Metrobus to HQ USCG (following the signs). Below map shows the overall orientation.



Teleconference Details:

The below are the teleconference bridge numbers from HQ USCG.

11 April 2019: 202-475-4000 - Please enter the following pin number to connect to the conference: **887 264 23#**

12 April 2019: 202-475-4000 - Please enter the following pin number to connect to the conference: **887 264 23#**

Meeting Site and Room:

HQ U.S. Coast address is 2703 Martin Luther King Jr. Avenue, SE, Washington D.C. 20593-7000.

The HQ U.S. Coast Guard official room numbers for ADAC Annual Meeting: 6i10-01-b and 6i10-01-c (Ray Evans rooms B and C).

HQ USCG ADAC Annual Meeting Entry Requirements:

In order to gain entry to HQ U.S. Coast Guard for the ADAC Annual Meeting, ADAC needs an RSVP of all attendees' official first and last names and indication of which participants have a U.S. Government Issued Common Access Card (CAC) or Personal Identity Verification (PIV) card.

Note: ADAC will provide Annual meeting participants a badge for ease of identification of workshop participants in HQ USCG.

ADAC requests participants to register by Thursday 28 March 2019 via the following secure link: <http://www.arcticdomainawarenesscenter.org/>

All participants without a CAC or PIV card are welcome to coordinate their PII information directly to Ms Katie Deeter (at Katie.A.Deeter@uscg.mil) and/or Ms Valerie Leone, (at Valerie.R.Leone@uscg.mil). Individuals without a CAC or PIV Card, **will not be allowed in the building without providing their PII information to Ms Leone and Ms Deeter.** PII includes name, Social Security Number and Date of Birth.

HQ USCG ADAC Annual Meeting Point of Contact (to provide Personal Identification Information (PII)):

Ms Katie Deeter (at Katie.A.Deeter@uscg.mil) and/or Ms Valerie Leone, (at Valerie.R.Leone@uscg.mil).

U.S. Coast Guard Acquisition Directorate
Office of Research, Development, Test & Evaluation (CG-926)
(202) 475-3776

ADAC Contact:

For more information, contact ADAC Executive Development Director, Randy “Church” Kee at rakee@alaska.edu or (907) 786-0708.

Updated Plan