

Winter Naval AI Summit

Hosted by the Naval Postgraduate School



AI NIX team and LtCol Jack Long, PhD

4-7 December 2023

Monterey, California

Current as of: 27 November 2023



Program Overview

Purpose

The Navy and Marine Corps have a growing community of people working in the Artificial Intelligence field. This burgeoning field includes top-down driven initiatives as well as bottom up work being done across the Fleet and Force. The Naval AI Summit is an opportunity for those in the field to come together, share lessons-learned, and be exposed to cutting edge updates about AI in the DOD.

Objectives

The principal objective of the 2023 Winter Naval AI Summit is to facilitate Navy and Marine Corps cross-communication, information-sharing, and lesson-learning to the benefit of AI practitioners and the overall DON-wide enterprise. Additionally, the Winter Naval AI Summit provides a unique opportunity for stakeholder engagement across the Navy, USMC, Joint Services, DOD, academia, and industry. The 2023 Winter Naval AI Summit will have strong themes around developing an AI competent workforce and leveraging emergent AI technologies and solutions to meet developing warfighter needs.

Key Topics

- Building and AI competent workforce; lessons-learned and perspectives from:
 - US Army
 - US Navy
 - US Marine Corps
 - CDAO
 - AI in the DOD—the view from CDAO
- Future Learning enabled by AI
- Use of AI in the Naval Services:
 - Key Navy AI Task Forces
 - US Coast Guard
 - Project Overmatch / DS@Sea
- Generative AI and LLMs—how and why we can use them
- CDAO’s new RAI Toolkit
- AI Hubs from OUSD R&E
- AI for wargaming
- DIU’s AI portfolio, to include demos from many of the AMMO team
- Where we’re behind—100 things we’re not yet doing with AI that we should be

End State

Naval AI community connected and coordinated across all domains and Commands, with actionable solutions generated to tackle some of the critical challenged impacting AI adoption across the Fleet.



Winter AI Summit – Agenda



Day	Monday 4 December	Tuesday 5 December	Wednesday 6 December	Thursday 7 December
Morning <i>Unclassified; Open to Virtual Attendees</i>	<ul style="list-style-type: none"> • Check-in, welcome, and opening remarks • What the Naval Services need to do to be successful at AI • NIX Team update • Task Force 59 • Pulse check on Project Hermes 	<ul style="list-style-type: none"> • DC-I view AI in the US Marine Corps • CDAO overview of AI in the DoD • AI workforce development at CDAO • Hiring and retaining AI talent 	<ul style="list-style-type: none"> • Naval AI ecosystem overview • DOD use of GenAI and LLMs • LLMs in the Army • Infrastructure requirements for GenAI and LLMs 	<ul style="list-style-type: none"> • Omniverse by NVIDIA • RAI toolkit – Overview and demo from CDAO • 1st Supply Battalion • The Top 100 things the Naval Service should be doing with AI • AI for Wargaming – LtCol Scotty Black
Lunch	Open	Open	Open	Comment cards, readout, items for future review, and Summit wrap-up
Afternoon <i>In-Person Only</i>	<ul style="list-style-type: none"> • AI in the US Coast Guard • Task Force Titan • AI Hubs • Task Force Ellyson • Project Overmatch • Applying ML to predict adversary actions 	<ul style="list-style-type: none"> • Future of Learning enabled by AI • Army AI workforce development strategy -- AI2C • Rapid occupational up/re-skilling of the US Army • Data and AI workforce ideation workshop • Building the AI team at Task Force 59 	<ul style="list-style-type: none"> • AI Scaffolding / Alpha 1 – CDAO Algorithmic Warfare • Intro to DIU AI/ML portfolio • Industry panel on MLOps tools hosted by DIU • Rapid fire student presentations • Adversarial AI 	<ul style="list-style-type: none"> • Campus tours • Summit Outbrief and strategy session (Summit leadership team only)
Evening	<i>No Host Social at The Dust Bowl</i>	<i>No Host Social at the Trident Room</i>	<i>NPS Alumni Reception (Summit attendees welcome)</i>	<i>Open / Travel</i>

Legend
 Unclassified | **Classified** | Tentative

Monday and Tuesday open to government personnel only

As of 27 November 2023



Winter AI Summit – Monday | 4 December

Legend
Unclassified | Classified



✔ Denotes Confirmed Speaker

Timing	Topic	Lead / Speaker	Description
By 0845	Check In	<i>N/A</i>	<i>Arrival + check-in to Summit location</i>
0845-0900 (15 min)	Welcome and opening remarks	Dr. Jack Long ✔	<i>Welcome and opening remarks and discussion of Summit purpose and objective</i>
0900-0940 (40 min)	How to be successful at AI	Dr. Jack Long ✔	<i>An overview of what the US Naval Services needs to do to successfully transform itself to harness the promise of Artificial Intelligence</i>
0940-1010 (30 min)	AI NIX team update	Professor Mathias Kolsch ✔	<i>An update from leadership on the AI NIX and how it's transforming the Navy and Marine Corps with AI</i>
1010-1040 (30 min)	Networking break		
1040-1120 (40 min)	Task Force 59 update	Mr. Wes Bailey ✔	<i>Update from Task Force 59 on their efforts in CentCom AOR</i>
1120-1200 (40 min)	Pulse Check Project Hermes	Ms. Olga Golub / Mr. Spencer Rodrigues ✔	<i>Update on Project Hermes</i>
1200-1300 (60 min)	Lunch		
1300-1330 (30 min)	USCG AI update	CDR Charlie Epperson ✔	<i>Brief on current USCG AI efforts</i>
1330-1400 (30 min)	Task Force Titan update	CAPT Jon Haase ✔	<i>Update on Task Force Titan and project AMMO</i>
1400-1430 (30 min)	AI Hubs	Dr. Wade Pulliam ✔	<i>Update from OUSD Research & Engineering on the AI Hubs</i>
1430-1500 (30 min)	Networking break		
1500-1540 (40 min)	Task Force Ellyson update (Secret)	Mr. Pete Wolt ✔	<i>Update from Task Force Ellyson</i>
1540-1620 (40 min)	Project Overmatch update (Secret)	Mr. Charles Yetman ✔	<i>Classified update on Project Overmatch</i>
1620-1650 (30 min)	Using AI to predict adversary actions (Secret)	Capt Hannah Crawford ✔	<i>Classified presentation on project to us AI to predict adversary actions</i>
Evening	No Host Social	The Dust Bowl	<i>Social event at a local watering hole</i>



Winter AI Summit – Tuesday | 5 December

Legend
Unclassified | **Classified**



Timing	Topic	Lead / Speaker	Description
0845-0900 (15 min)	AI in the Marine Corps	LtGen Matt Glavy ✓	An overview of AI in the Marine Corps from the Deputy Commandant for Information
0900-1000 (60 min)	CDAO overview of AI in the DOD	Dr. Craig Martell ✓	Chief Digital and AI Officer of the DOD will give an overview of where we are and where we're going with AI in the DOD (Remote)
1000-1030 (30 min)	Networking break		
1030-1115 (45 min)	CDAO's AI workforce development	Ms. Angela Cough / Dr. Diana Gehlhaus ✓	An overview from CDAO Digital Talent Management team on CDAO efforts to build an AI competent workforce in the DOD
1115-1200 (45 min)	Hiring and retaining AI talent	Panel Moderated by Dr. Jane Pinelis ✓	A range of perspectives (industry, FFRDC, USMC) on how DOD can recruit and retain AI talent
1200-1300 (60 min)	Lunch		
1300-1330 (30 min)	Strategic Synergy AI	Professor Raluca Gera ✓	Building a robust system infrastructure to empower AI while mitigating organizational risk
1330-1415 (45 min)	AI workforce development in the US Army	LTC Mike Michell ✓	How the Army AI Integration Center (AI2C) is working to build AI competency into the US Army
1415-1500 (45 min)	Rapidly developing AI skills in the US Army	Professor Majd Skar ✓	How the US Army is trying to rapidly upskill and reskill personnel to build AI competency
1500-1530 (30 min)	Networking break		
1530-1615 (45 min)	AI workforce ideation workshop	Mr. John McGunnigle / Dr. Jack Long ✓	Workshop on Naval AI workforce roles and how to build out Navy AI workforce requirements
1615-1700 (45 min)	Standing up a US Navy AI Team	Mr. Michael Brasseur ✓	The people and process behind building human infrastructure of Task Force 59
Evening	No Host Social	The Trident Room	No Host Social at NPS campus watering hole

✓ Denotes Confirmed Speaker



Winter AI Summit – Wednesday | 6 December

Legend
Unclassified | Classified



Timing	Topic	Lead / Speaker	Description
0900-0940 (40 min)	The Naval AI ecosystem	Dr. Jack Long ✓	<i>A tour through the Naval AI ecosystem and how it needs to be strengthened to accelerate AI in the Navy and Marine Corps</i>
0940-1020 (40 min)	DOD use of LLMs and GenAI	CAPT Manuel 'X' Lugo ✓	<i>Update from Task Force Lima on the DOD use of Generative AI and Large Language Models</i>
1020-1040 (20 min)	Networking break		
1040-1120 (40 min)	LLMs in the US Army	MAJ Ruiz ✓	<i>How the Army is using Large Language Models</i>
1120-1200 (40 min)	Infrastructure requirements for GenAI and LLMs	Mr. Alex Neefus ✓	<i>Overview from Senior Director of Solution Architecture at NVIDIA on the infrastructure requirements to use Generative AI and Large Language Models</i>
1200-1300 (60 min)	Lunch		
1300-1345 (45 min)	Alpha-1 / Advana Edge	LtCol Pedro Ortiz, PhD ✓	<i>Overview from Algorithmic Warfare Directorate on CDAO's work to develop and deploy common AI/MLOps infrastructure for the DOD</i>
1345-1400 (15 min)	Introduction to DIU AI portfolio	DIU TBD ✓	<i>DIU overview of AI portfolio—where it is now and where it's going (Remote Co-Brifer) Teams</i>
1400-1530 (90 min)	Industry overview of AI tools	DIU and participants	<i>An overview and demos from a group of industry vendors who have built tools that support Navy AI efforts and how others in the Navy and Marine Corps can leverage them</i>
1345-1445 (60 min)	TS/SCI workshop (TS/SCI)	Dr. Katie Rainey ✓	<i>Top Secret workshop on AI topics (by invitation only)</i>
1530-1550 (20 min)	Networking break		
1550-1610 (20 min)	Rapid fire student presentations	NPS AI students	<i>Elevator pitch updates from NPS students on the AI work they are doing as part of their studies</i>
1610-1650 (40 min)	Adversarial AI	Mr. Rodrigo Gomez ✓	<i>An overview on how are adversaries are putting AI to use for military and non-military applications</i>
Evening	Alumni reception	The Trident Room	<i>An alumni reception hosted by the NPS Foundation; summit attendees are welcome and encouraged to attend</i>

✓ Denotes Confirmed Speaker



Winter AI Summit – Thursday | 7 December

Legend
Unclassified | Classified



Timing	Topic	Lead / Speaker	Description
0900-0945 (45 min)	NVIDIA Omniverse	Mr. Tim Woodard ✓	An overview of NVIDIA's Omniverse
0945-1030 (45 min)	RAI Toolkit	Ms. Diane Staheli ✓	Introduction to CDAO's newly release RAI Toolkit
1030-1100 (30 min)	Networking break		
1100-1130 (30 min)	1st Supply Battalion	CDR Jonathan Fowler ✓	Update from MEDLOG Company, 1 st Supply Battalion on their operational use of AI
1130-1200 (30 min)	The Top 100 things DON should be doing with AI	Dr. Jack Long ✓	An overview of the Top 100 things the US Naval Service should be doing with AI that came out of an NPS ideation sessions
1200-1245 (45 min)	AI for Wargaming	LtCol Scotty Black ✓	How the US Marine Corps is using AI for Wargaming
1245-1300 (15 min)	Summit wrap up	Dr. Jack Long / Prof Mathias Kolsch ✓	Final thoughts and feedback session
	End of Summit		
1400--	Campus tours	TBD	Tours of various NPS facilities for interested parties who choose to stay around in the afternoon

✓ Denotes Confirmed Speaker

Logistics Information



Admin & Logistics Information for In-Person Attendees



Location

- **Address:** 1 University Circle
Monterey, CA 93943
- **Main Room:** Room 109, Glasgow Hall, Naval Postgraduate School
- **Parking:** There are 25 spaces behind Glasgow Hall reserved for Summit participants as well as reserved spots for VIPs
- **Campus Map and Dining Options:** See [Site Map](#) slide

Presentation Materials

- **Forward Unclassified briefs to:** AINIXTeam@nps.edu
- *Name file: Lastname_ Winter AI Summit*
- **For Classified briefs Please contact the event coordinator**

Passing Security Clearance

To be on the access roster for the classified briefs please have your security section send your information to the following SMO code: 622715. For additional information, see [Passing Security Clearance](#) slide

Vetting for non-CAC holders

Visitors to NPS who do not have a CAC must request unescorted access to NASM ***at least*** one week prior to the summit. To request access, see [NASM access for non-CAC holders](#) slide

General

- **Dress:** Business casual
- **HPCON:** The current HPCON is Alpha. See additional information [here](#)
- **Campus Wi-Fi:** Campus Wi-Fi will be available for us during the event. Cellular signal in the room is spotty



Admin & Logistics Information for Virtual Attendees



Attendance

The link to the remote option for virtual attendees will be sent by NPS as a Microsoft Teams, re-occurring, calendar invite from **0830-1200 PT**. The link will be provided in advance of the summit to everyone signed up via the online link. You will **use the same link** each day to attend the AI Summit. Slides **will be provided** to all who are interested, **after** the AI Summit

Please be Advised

VIRTUAL ATTENDEES WILL ONLY BE ABLE TO ATTEND THE MORNING SESSIONS FOR EACH DAY. THERE WILL BE NO VIRTUAL OPTION FOR AFTERNOON SESSIONS.



Passing Security Clearance

Incoming Security Clearance

For visitors coming to NPS:

Incoming clearances should be submitted using the visits notification section in DISS (Defense Information Security System).

Secret / Collateral clearance should be submitted under SMO Code 622715 | (831) 656-2450 • securitymgr@nps.edu

TS / SCI clearance should be submitted under SMO Code 622713 | (831) 656-3448/3509/7752 • ssostaff@nps.edu

If the incoming visitor's security office does not have access to DISS, then:

Secret / SCI clearances should be sent by the SSO via message to SSO NAVPGSCOL or faxed to (831) 656-3437 or DSN 756-3437.

If your organization does not use DISS, please contact the Security Manager's Office at (831) 656-2450 for other options.

Please be Advised

PLEASE ENSURE THAT ATTENDEES USE THEIR NAME AND PHONE NUMBER AS THEIR POINT OF CONTACT AND NOT THE ATTENDEES' SECURITY MANAGER.



NSAM Access for Non-CAC Holders

Vetting Non-CAC Holders

Naval Support Activity Monterey (NASM), of which NPS is a resident tenant, requires that non-CAC holders be escorted at all times while aboard base unless they have been vetted prior to arrival. This vetting process takes at least a week and is not waiver-able. If you do not have a CAC, please submit your information for vetting, as NPS cannot support escorting summit attendees.

Sloat Main Gate

- **Address:** 1 University Circle
Monterey, CA 93943
- **Office Contact:** (831) 656-3643
- **Service Hours:** M-F, 0700-1130 / 1200-1500

Needed Forms / Links

Gate Access Forms/Links

- [DoD SAFE](#) (CAC enabled) (replaces AMRDEC Safe)
- [Base Access Flow Chart](#) (.pdf)
- [NSAM Gate Access Instructions](#) (.pdf)
- [NSAM Gate Access Request Form](#) (.xlsx)
- [SECNAV 5512 Background Check Form](#) (.pdf)

Gate Access Procedures

Gate Access Procedures

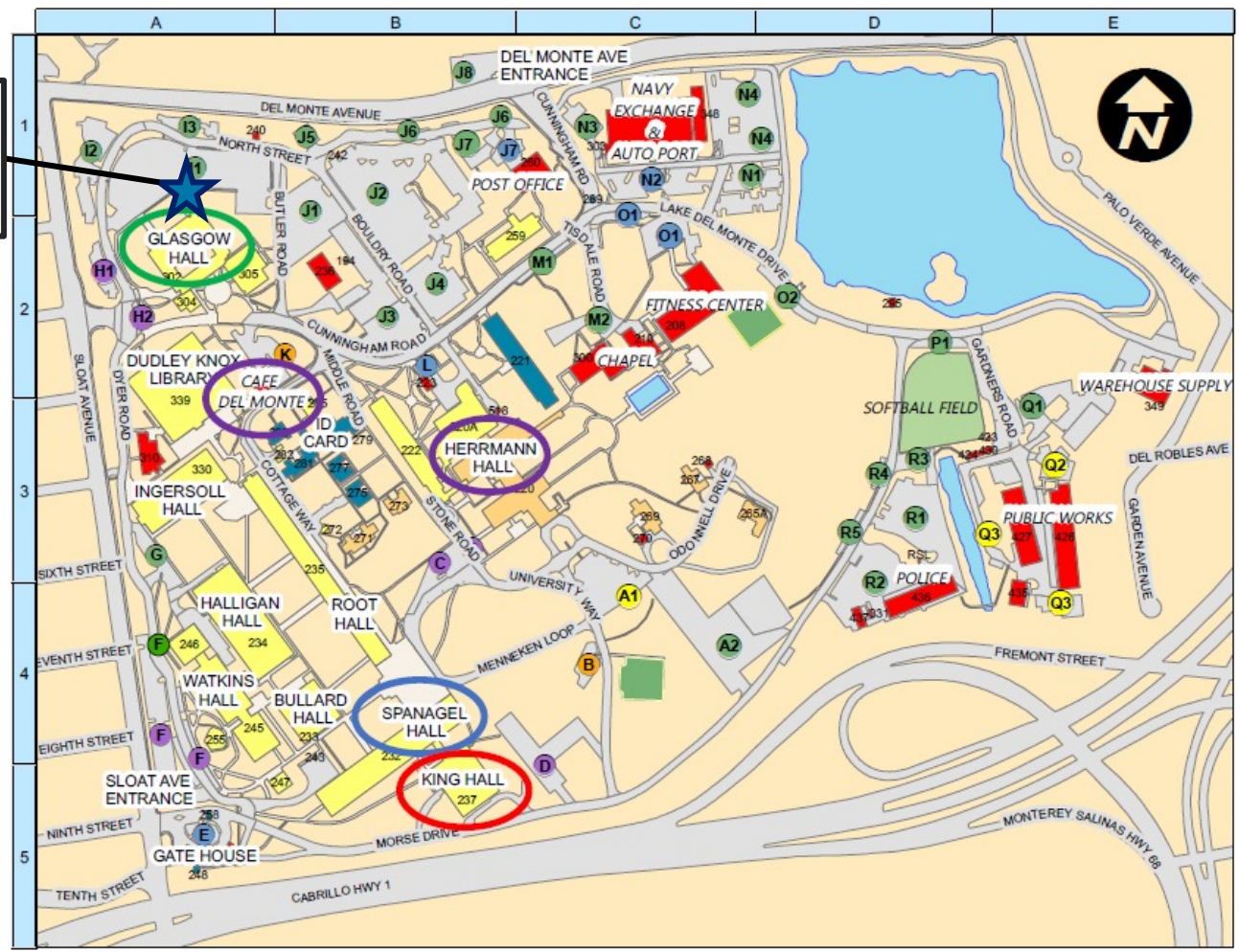
1. **Sponsor** has guest fill out and return SecNav 5512 form to sponsor to enter information and DoD ID# on item #24. Personally Identifiable Information **MUST** be secured, if transmitted electronically, please use DoD SAFE.
2. **Sponsor** completes NSAM Gate Access Request form.
3. **Sponsor** sends an encrypted SecNav 5512 form to mjrosas@nps.edu. At vcc@nps.edu, notify that you sent an encrypted SecNav 5512 form to the previous email.
4. It takes three **(3) business** days for results to return. **NOTE:** If guests have already been vetted (within one calendar year through NSAM Gate Access), just fill out and submit the NSAM Gate Access form. Only the last four digits SSN# required for verification.
5. **Once vetted please go to the visitor center and get a pass.** If you're not able to get to the visitor center by normal working hours 0700–1500 then, please call office. **The next working day you'll need to go to the visitor center to get a pass.**



Site Map



Summit will take place in Glasgow Hall



BUILDING KEY

ACADEMIC BUILDINGS

Bullard Hall (233).....	B4
Institute for Security Governance (ISG)(259).....	C2
Dudley Knox Library (339).....	A3
Glasgow Hall (302/304/305).....	A2
Halligan Hall (234).....	A4
Ingersoll Hall (330).....	A3
King Hall (237).....	B5
ME Lecture Hall (255).....	A5
Quad Auditorium (247).....	A5
Reed Hall (310).....	A3
Root Hall (235).....	A3/B4
Spanagel Hall (232).....	B5
Watkins Hall (245/246).....	A4

BASE SERVICES

Cafe Del Monte (290).....	B3
Chapel/Chaplains Office (300) ...	C2
Dental Clinic (220).....	C3
El Prado Dining (220).....	C3
Fitness Center (208).....	C2
Navy Exchange (NEX, 303).....	C1
Navy Exchange Autoport (345).....	C1
Police Services (436).....	D4
Post Office (260).....	C2
PSD (277).....	B3
Public Works (426/427).....	D3/E3
Recreation Fields/Courts.....	C2/C4/D3
Tickets & Tours (MWR, 220).....	C3
Trident Room Dining (220).....	C3

ADMINISTRATIVE SERVICES

NSAM Headquarters (271).....	B3
Human Resources (220).....	C3
ID Card Lab (280).....	B3
Main Gate (258).....	A5
Registrar (220).....	C3
Travel Office (300).....	C2
Vehicle Registration (254).....	B5

LODGING

International Student BOQ	
Herrmann Hall (221/222).....	B3/C3
Navy Gateway Inns & Suites	
Herrmann Hall (220).....	B3

Chow Options

- Café Del Monte (by Library)
 - 0730-1400
- Starbucks (Library)
 - 0700-1500
- NEX Exchange
 - 0900-1700
- Trident Room/Bar
 - 1530-2100
- Prado Room (Downstairs in Herrmann Hall)
 - 0630-0930

PARKING KEY

● Open Parking
● Carpool/HOV
● Permit
● Timed
● Restricted

*Motorcycle Parking is located near Lot F, Lot C, and Lot K
 **Some lots have mixed parking. Heed signage.

ALL EMERGENCIES DIAL 9-811

POLICE SERVICES.....	656-2555
PUBLIC WORKS.....	656-2526
POST OFFICE.....	656-1734
CHapel OFFICE.....	333-2241
NPS QUARTERDECK.....	656-2441
VEHICLE PASSID.....	656-3477
NAVY LODGE.....	372-6133
TICKET & TOURS (MWR).....	656-3223
LEGAL OFFICE.....	656-2598
NAVY EXCHANGE.....	373-7277
NSAM HEADQUARTERS.....	656-2279
NAVY GATEWAY INNS & SUITES.....	656-2060

ALL AREA CODE PREFIXES (831)

NAVAL SUPPORT ACTIVITY MONTEREY

Monterey, California

MAY 2019
POC: Laura Horton NSAM PWC





Questions & Further Information



To sign up for the summit, please follow this link:

<https://forms.office.com/r/iztryLBW6K>

For questions or inquiries, please contact:

Mr. Benjamin (Dutch) Brown: benjamin.brown.ctr@nps.edu

AND PLEASE CC AINIXTeam@nps.edu