Call Agenda

JIFX Facility Overview

Event Logistics

Event Network

JVAB

COPERS

Questions
WHAT IS JIFX?

• Opportunity for NPS faculty, students, private companies, and academia to experiment with and evaluate new technologies in a field environment related to the operational needs of the Department of Navy and Department of Defense.

• Opportunity for government representatives and members of the operational force to observe these technologies and better understand the capabilities that they may represent.
What we are not:

• Tradeshow
• Conference
• Sales Event
• Demonstrations
FUNDAMENTAL TENANTS

AUSTERE BY DESIGN
COLLABORATION IS EXPECTED
BOUND, NOT CONTROLLED
DEVELOP NOW!
FAILURE = LEARNING

“We assist experimenters to optimize their experiment outcomes and expand opportunities for collaboration.”
Event Locations

🌟 Camp Roberts Army National Guard Base

🌟 NPS Sea, Land, Air Military Research Aquatic Facility (SLAMR)
Camp Roberts Facilities: McMillan Airfield
Camp Roberts Facilities: Combined Arms Collective Training Facility (CACTF)

26-acre full-scale urban operations training facility including a mock church, police station with underground jail, three-story hotel, businesses, residential buildings, underground tunnels, and a rubble pile.
Sea, Land, Air Military Research Facility (SLAMR)
Experiment Locations

<table>
<thead>
<tr>
<th>Experiment Locations</th>
<th>Experiment Number</th>
<th>Organization Name</th>
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<tbody>
<tr>
<td>Camp Roberts</td>
<td>A-02</td>
<td>Lumenier</td>
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<td></td>
<td>A-03</td>
<td>Advanced Unmanned Aerospace</td>
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<td>A-04</td>
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<td>3amInnovations</td>
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<th>Camp Roberts &amp; SLAMR</th>
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<td>M-02</td>
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## Event Schedule

### Monday, August 23
- 0900 Venue/Registration Opens
- 0900 - 1200 JVAB Frequency Verifications
- 1200 Event Kick-Off Brief*
- 1200 - 1600 Experimentation
- 1600 Evening Brief*

### Tuesday, August 24
- 0730 Venue/Registration Opens
- 0800 Morning Brief*
- 0830 - 1600 Experimentation
- 1600 Evening Brief*
- 1630 - 2200 Evening Experimentation

### Wednesday, August 25
- 0730 Venue/Registration Opens
- 0800 Morning Brief*
- 0830 - 1600 Experimentation
- 1200 JIFX Stakeholders Meeting (Govt. Only)
- 1600 Evening Brief*
- 1630 - 2200 Evening Experimentation

### Thursday, August 26
- 0730 Venue/Registration Opens
- 0800 Morning Brief*
- 0830 - 1600 Experimentation
- 1600 Event Closing Brief

*All Briefs will be broadcast for virtual participation. Only 1 person per experiment will be allowed to attend the brief in the Briefing Trailer (Trailer #3) at McMillan Airfield. All other participants may participate by viewing the brief at a viewing location or dialing in on their own personal device (laptop, phone, etc). Zoom for Government dial-in information will be provided to all registered participants via email.
Parcel Service (Individual packages, less than 150 lbs)
NPS Field Laboratory - McMillan Airfield
Attn: (*Your Company / Your Name*)
Bldg 914, Shipping & Receiving
Camp Roberts, CA 93451-5000
Ph 805-227-1314

Directly to the Airfield: Freight
NPS Field Laboratory - McMillan Airfield
Attn: (*Your Company / Your Name*)
McMillan Airfield, East Perimeter Rd
Camp Roberts, CA 93451-5000
Ph 805-227-1314
Registration

Registration is required for all participants!

Register Here: www.nps.edu/fx

Foreign Citizens – Register ASAP!

Upcoming Events:

**JIFX 21-4**

23 – 27 August 2021

Locations: McMillan Airfield at Camp Roberts & SLAMR Aquatic Tanks at NPS
Safety Notes

Per Camp Roberts Guidance, all personnel on Camp Roberts must wear a mask while indoors.

Non-vaccinated are required to wear an N95 Mask while indoors.

Expect excessive heat!
JIFX Networks

Communications

Local IP networking (Ethernet, WiFi)
• McMillan Airfield
• CACTF
• SLAMR
Limited Internet connectivity

Information Technology (Camp Roberts)

Printing @ McMillan Airfield
Tactical Assault Kit (TAK)
Cursor-on-Target debugging/routing
Before You Connect...

• JIFX network is intended for rapid collaboration & integration
• JIFX network is a USG system; subject to monitoring
• Acceptable use:
  • Respect others’ operations, privacy, security
  • No malicious activity
• Consult your organization’s IT & security policies
• Coordinate with network manager before connecting systems (Joseph Lukefahr)
Joint Vulnerability Assessment Branch

- Frequency Verifications
- Cyber Vulnerability Assessments (CVA’s)
- www.nps.edu/web/fx/cybersecurity
COPERS

• COPERS Common Operating Picture (COP) provides real-time situational awareness of your connected experiment, team and equipment.
• COPERS provides a broad array of tools and integrations including:
  • Cursor on Target (CoT)
  • Android Team Awareness Kit (ATAK)
  • ADS-B
  • Geofencing
  • Ad hoc shared map drawing
  • geochat among ATAK devices and COPERS Users
  • Biomedical sensor status
  • Cameras feeds and live streams
  • Forms and checklists
  • Equipment management

http://copers.tdkc.com/
http://copers.tdkc.com/
COPERS – JIFX Integration

• Group logins available for each Experiment
• ADS-B
• Cursor on Target Integration
• Live Stream
  • YouTube
  • Twitch
• Camera Feeds
  • 1 connection between the camera feed and COPERS
  • Typically configured for, low frame rates (~1 frame / sec) to COPERS
Friday, August 6
1000 PT
• Flyers Safety Meeting
• *Mandatory for all flying experiments!*

Wednesday, August 11
1030 PT
• Event Logistics (Registration, Shipping, Etc.)
• Joint Vulnerability Assessment Branch
• COPERS
• Event Network

Wednesday, August 18
1030 PT
• Event Schedule
• Final Logistics
Questions?