



Collaborative EW Symposium 2024



MARCH 12-14

Point Mugu, CA

Agenda as of 03.08.24

All sessions are SECRET US Only

Tuesday, March 12th

0800 – 0815

Introductions and Welcome

Mr. Thomas Bluhm, Symposium Chair, JATO Point Mugu Lead
CAPT Robert "Barr" Kimnach III, Commanding Officer, Naval Base Ventura County

0815 – 0830

Mr. Gerardo Garcia, Spectrum Warfare Department Director, Naval Air Warfare Center Weapons Division (NAWCWD)
Welcoming Remarks

0830 – 0900

CAPT David Halpern, Commodore, Naval Test Wing Pacific
Keynote Address

0900 – 0930

Ms. Christina Ward, Naval Air Warfare Center Weapons Division (NAWCWD)
Mr. Thomas O'Connor, Naval Air Warfare Center Weapons Division (NAWCWD)
Intel Briefing - EW in the Russia-Ukraine War – Part 1 of 3

0930 – 1000

Mr. JD Work, Professor, National Defense University and Columbia University
Russian Failure to Use Cyber to Support EW

1000 – 1030

BREAK

Session 1: Designing New EW Systems for Rapid and Affordable Capability Expansion

Session Chair: LT Sean "Stanky J" Hadley, USN

1030 – 1100

Mr. Brandt Lomen, Lead Sensor Engineer, MITRE Corporation
Chaos Jamming

1100 – 1130

Dr. Jean Paul Santos, Dept Chief Technology Officer, Naval Air Warfare Center Weapons Division – AISD
High Efficiency Bandwidth VHF Electrically Small Transmitters

1130 – 1200

Mr. Robert Wilkerson, Deputy Directory Autonomous Systems, Toyon
Swarming Assets for Cognitive Electronic Warfare

1200 – 1210

Ms. Stacy Jannelley Eang, Naval Air Warfare Center Weapons Division (NAWCWD)
Overview of Lab Tours

1210 – 1315

LUNCH

Session 1: Designing New EW Systems for Rapid and Affordable Capability Expansion (continued)

1315 – 1345

Dr. Shaun Anderson, Senior Research Engineer, GTRI
AGILE EW: An Approach to Low-Cost Government Open Expendable EW Swarms

1345 – 1415

Mr. Tyler Jandreau, Chief Engineer, Aeronix, Inc.
Digital High Probability of Intercept Receiver

- 1415 – 1445 Mr. Jonathan Chhang, Electrical Engineer, Airborne Instrumental Division Point Mugu
Multi-Octave High Power Transmitters
- 1445 – 1515 BREAK**
- 1515 – 1545 Mr. Arian Lalezari, CEO, FIRST RF Corporation
Antenna Systems for Next-Generation Electronic Warfare
- 1545 – 1615 Mr. Gonzalo Figueroa, Mechanical Engineer, Naval Air Warfare Center Weapons Division (NAWCWD)
Ms. Stacy Jannelley Eang, Electrical Engineer, Naval Air Warfare Center Weapons Division (NAWCWD)
EW Game of Drones
- 1615 – 1645 Open discussion on session takeaways
- 1645 – 1700 Mr. Thomas Bluhm, Symposium Chair
Closing remarks

Wednesday, March 13th

- 0800 – 0805 Mr. Thomas Bluhm, Symposium Chair, JATO Point Mugu Lead
Welcome
- 0805 – 0820 Ms. Amanda Brockermeyer, Pacific Regional Director, Association of Old Crows
AOC International Update and award presentations
- 0820 – 0915 BG Brian Vile, Commandant, United States Army Cyber Warfare School/Chief of Cyber
Keynote Address
- 0915 – 0945 Ms. Christina Ward, Naval Air Warfare Center Weapons Division (NAWCWD)
Mr. Thomas O'Connor, Naval Air Warfare Center Weapons Division (NAWCWD)
Intel Briefing - EW in the Russia-Ukraine War – Part 2 of 3
- 0945 – 1015 BREAK**

Session 2: Scaling Up Currently Existing EW Capabilities for US and Allied Forces

Session Chair: LCDR Jacob "Ferpes" Schalles, USN

- 1015 – 1045 Mr. Mike Flores, Engineer, Northrop Grumman Systems Corporation
AEWCF An Autonomous EW Coordination Framework
- 1045 – 1115 Mr. Damon Plyler, Research Engineer, Southwest Research Institute
Trust in Advanced Electronic Warfare Systems Through High Fidelity Models
- 1115 – 1145 Mr. Randy Camasso, RF Systems Engineer, Metamagnetics
Automated Frequency Selective Canceller for Improved Communications While Jamming
- 1145 – 1200 Open discussion on session takeaways
- 1200 - 1315 LUNCH**
- 1315 – 1345 Mr. Jay Thakore, NG Fellow, Mission Architect, Northrop Grumman Systems Corporation
AN/SLQ-32(V)7 and Future of Naval Surface Electronic Warfare
- 1345 - 1415 Ms. Lynne Clark, SSTM - EW, Techniques & Countermeasures, Director & Chief Engineer, Joint Electronic
Attack & Compatibility Office, Marine Corps Spectrum Integration Laboratory
Common Framework Environment (CFE)
- 1415 – 1600 Tours or Networking and Industry/Government Demos in the Tent**

Thursday, March 14th

0800 - 0810 Mr. Thomas Bluhm, Symposium Chair, JATO Point Mugu Lead
Welcome

0810 – 0840 Mr. Bret Eddinger, Senior Engineer for Offensive EW, US Army DEVCOM C5ISR Center
Mr. David Medvigy, Lead Computer Scientist, US Army, ARAT Program Office
EW Techniques Arsenal

0840 – 0910 Ms. Christina Ward, Naval Air Warfare Center Weapons Division (NAWCWD)
Mr. Thomas O'Connor, Naval Air Warfare Center Weapons Division (NAWCWD)
Intel Briefing - EW in the Russia-Ukraine War – Part 3 of 3

0910– 1010 Mr. Kyle Eichorst, Systems Engineer, 645th AESG
Mr. Rick Sweetnich, Compass Call EWO, NPS
Data Transfer via SDW: An Enabler for EMBM at the Edge

1010 – 1040 BREAK

Session 3: Designing and/or Upgrading EW Systems for the Ever-Expanding Use of the EMS in Warfighting
Session Chairs: LCDR Kimberly Lynn “Jimmy” Glaeser, USN; LT Emily “Muppet” Garcia, USN

1040 – 1110 Mr. Wanzhong Zhen, Electrical Engineer, Naval Air Warfare Center Weapon Division – AISD
Low Noise Receiver with Direct Active Noise Matching

1110 – 1140 Dr. Eric Demirjian, TETRA Director, DIA/MSIC- TETRA
Testing and Evaluating Human Machine Teams for Cognitive EW

1140 – 1210 Mr. Joe Edwards, Business Development Director – Electromagnetic Warfare, DataShapes
AI-Powered Signal & Waveform Intelligence

1210 – 1315 LUNCH

Session 3: Designing and/or Upgrading EW Systems for the Ever-Expanding use of the EMS in Warfighting (continued)

1315 - 1345 Mr. Scot Napoletano, AEA Mission Technology Lead, Naval Air Warfare Center Weapons Division (NAWCWD)
Integrated Intelligent Mission Planning Utilizing Tactical EMS Data

1345 – 1415 Mr. Paul Kennedy, Associate Professional Staff, JHU/APL
PCEWS Hardware in the Loop Testbed for Distribution

1415 – 1445 Mr. Ted Zontek-Carney, EMW Systems Engineering Manager, Northrop Grumman Systems Corporation
Rapid Development of New ALQ-218 Capabilities - A Digital Twin Success Story

1445 – 1515 BREAK

1515 – 1545 Mr. Christopher Schnelle, Engineer, Southwest Research Institute
Flexible Modular Design for Affordable Capability Upgrades to EW Systems

1545 – 1615 Open discussion on session takeaways

1615 Symposium Wrap-up
Mr. Thomas Bluhm, Symposium Chair