



Collaborative Electronic Warfare



MARCH 14-16, 2023

Pt. Mugu, CA

Tuesday March 14th | SECRET US Only Sessions

Welcome and Introductions

- 0800-0815 Mr. Thomas Bluhm, Symposium Chairman, JATO Point Mugu Lead
- 0815-0830 CAPT Robert "Barr" Kimnach III, Commanding Officer, Naval Base Ventura County
- 0830-0845 Mr. Gerardo Garcia, SSTM, Spectrum Warfare Department Director, Naval Air Warfare Center Weapons Division (NAWCWD)
- 0845-0915 Mr. Harlan Kooima, SES, Director, R&D, Naval Air Warfare Center Weapons Division (NAWCWD)
- 0915-0945 CAPT Steve "Tanker" Thomas, Vice Commander NAWCWD and Spectrum Dominance

0945-1015 BREAK

Session 1

Session Chair: Lavanya Iyer, Director, International Technical Integration, OUSD(RE)/ S&T Futures

- 1015-1045 Mr. Tom Graves, Senior Technologist, USAF AFLCMC Electronic Warfare and Avionics Division
Advanced Common EMS Development Environment (ACEDE)
- 1045-1115 Mr. Patrick Shaw, Technical Director, Above Water Sensors & Lasers (PEO IWS 2.0)
Rapid Fueling of EW Capability
- 1115-1145 Mr. Kevin Gross, Director, Threat Target Systems, NAWCWD Point Mugu
Electronic Warfare within Social Media

1145-1315 LUNCH

Session 2

Session Chair: Anna Jimenez, F35 SW Modernization, F-35 Prognostic Health Management (PHM) Lead, NAWCWD

- 1315-1345 Mr. Steve Bristow, Amentum, Naval Information Warfighting Development Center
The Rise of White Forces, a New Operating Environment (Emerging Comms)
- 1345-1415 Mr. Levi Roberts, Electrical Engineer, NAWCWD China Lake
Machine-Learning for Modulation Recognition (Collab ES)

Session 3

Session Chair: Tanvi Rane, JATO Test Engineer, NAWCWD

- 1415-1445 Dr. Hal Aldridge, CEO, Secmation
CyRF - Integrated/EW Attack Generation (Coop EA)
- 1445-1515 Mr. Gonzalo Figueroa, NAWCWD
Ms. Chheavhong (Michelle) Chheung, Naval Air Warfare Center Weapons Division
NAWCWD EW Game of Drones (Coop EA)

1515 -1545 BREAK

Session 4

Session Chair: Rita Platon, SHEELD, Deputy Product Lead, NAWCWD

- 1545-1615 Mr. Lyle Lair, NAWCWD China Lake
Aerial Dispersible High Power Microwave Electronic Attack for Wide-Area, Ultra-Wideband Barrage Jamming (Collab EA)
- 1615-1645 Mr. Kamal Bhakta, NAWCWD
Passive Analog Channel Emulation: Matched Microwave Memory (General)

Wednesday March 15th | SECRET Rel US and Australia Sessions

- 0800-0815 Welcome: Rear Admiral Keith Hash, Commander, NAWCWD
- 0815-0845 CAPT Dave Rueter, Commander, NAVAIR PMA-234 (AEA) Airborne Electronic Attack Programs
PMA-234 Perspectives
- 0845-0915 CDR Joshua Ales, Commanding Officer, VAQ-129 VIKINGS
Navy Airborne Spectrum Dominance
- 0915-0945 BREAK**
- Session 5**
Session Chair: Kiran Joshi, JATO Test Engineer
- 0945-1015 CAPT Michael Supko, Principal Military Director, Engineering and Cyber Warfare Group, Naval Air Systems Command
- 1015-1045 Mr. Pramod Narayanan, Counter-C4ISR Systems Br, National Ground Intelligence Center
Russian Ground EW Operations in Ukraine (Warfighter Perspective)
- 1045-1115 SQNLDR Kallum Savage, Senior Design Engineer, ACURL
ACURL Overview and ACURL F-35 Post-Mission Analysis Observations (Warfighter Perspective)
- 1115-1245 LUNCH**
- Session 6:**
Session Chair: Trish Kozik, NGJ-MB Test Lead, Point Mugu
- 1245-1315 Mr. Tony Douglas, Director Growler S&T, Air & Space Program, Defence Science and Technology Group
US/AUS Airborne Multi-Platform EW (AMPEW) Project Arrangement (PA) Overview
- 1315-1345 LT Jacob Schalles, JATO and NGJ Project Officer, VX-30
Update on EA-18G Growler Jammer Suite/ALQ-249 Next Generation Mid-Band Jammer
- 1400-1645 Tours & Displays OR Visit with Industry in the Tent**

Thursday March 16th | SECRET Rel US and Australia Sessions

- 0800-0810 Welcome: Mr. Thomas Bluhm, Symposium Chairman, JATO Point Mugu Lead
- 0810-0830 Mr. Brian "Hinks" Hinkley, President, Association of Old Crows
AOC Perspectives and Recognition of AOC's 2022 Future Five Winner Mr. Ethan Skemp, Electronic Warfare Integration Laboratory, Simulation Development, NAWCWD
- Session 7**
Session Chair: Shannon Porter, Electronics Engineer, Electronic Warfare Data Systems (EWDS)
- 0830-0900 Mr. Robert Gamberg, Fleet Experimentation Lead, Naval Surface Warfare Center, Crane Division
Silent Swarm
- 0900-0930 Dr. Vaughan Clarkson, Managing Director, Whiplash Signals
Mr. Chris Lewis, Acting Deputy Program Lead - Air & Space EW, Defence Science and Technology Group
ES Dialed up to 11: Hitchhiking Radar Research in Australia (Collab ES)
- 0930-1000 BREAK**
- Session 8**
Session Chair: Jen Koch, Aircraft and Spectrum Integration Environments Chief Technologist, NAWCWD
- 1000-1030 Dr. Andrew Christianson, Naval Surface Warfare Center (NSWC) Chief Engineer EW Advanced Concept
Collaborative EW Mission Data Portal (Collab ES)
- 1030-1100 Ms. Kate Jones, Chief Technologist, QRC Technologies
Bluetooth Low Energy Detection for Search and Rescue Missions (Collab ES)
- 1100-1230 LUNCH**
- Session 9**
Session Chair: Roshni Mirtorabi, EA-18G AEA Future Capabilities Product Lead, NAWCWD
- 1230-1300 Ms. Amelia Fortmayer, C5ISR Center, U.S. Army Combat Capabilities Development Command (DEVCOM)
Developments in the US Army's NAVWAR Situational Awareness Framework (Collab ES)
- 1300-1330 Dr. Scott Kuzdeba, Chief Scientist, BAE Systems
Advances in Artificial Intelligence Enabled ES for Dynamic Combat Operations (Collab ES)
- 1330-1400 Dr. Nicholas O'Donoghue, Senior Engineer, RAND
Enabling Distributed Sensing with pLEO Communications (Emerging Comms)

1400-1430

BREAK

Session 10

Session Chair:

Jenelle Fletcher, EW Specialist, Next Generation Jammer – Australian Cooperative Project Personnel, JATO Point Mugu

1430-1500

Mr. Nathan Blinn, NAWCWD
Dr. Hoan Nguyen, Information Systems Laboratories
Information Systems Laboratory Hardware-in-the-Loop: Advanced Effects T&E of Future EW Systems (Collab EA)

1500-1530

Mr. Tim Sakharov, Senior Research Engineer, Scientific Systems Company, Inc.
Collaborative Mission Autonomy for EW Missions (Collab EA)

1530-1600

Dr. Anthony Schellhase, Group Lead RF Electronic Attack, Defence Science and Technology Group
Collaborative EW Strategy

1600-1615

Symposium Wrap-Up: Mr. Thomas Bluhm, JATO Point Mugu Lead