

4th Annual Cyber Electromagnetic Activity (CEMA)



ASSOCIATION
OF OLD CROWS

23-25 OCTOBER 2018 Aberdeen Proving Ground, MD

Agenda Cyber Electro-Magnetic Activity 2018

CEMA as a Critical Enabler to Modernization Priorities
Sessions will be held at the classified levels up to TS/SCI releasable to Five Eyes.
(as of 3 October; subject to change)

Tuesday, October 23

APG C4ISR Campus, Myer Auditorium, Bldg 6000

0700 – 0800 **Continental Breakfast and Registration in The Raven’s Networking Tent**

Session 1: General

0800 – 0810 Posting of the Colors

0810 – 0820 Welcome, Administrative Briefing & Conference Preview
Mr. Giorgio Bertoli & Mr. Rod Knecht, Conference Co-Chairmen

0820 – 0840 **Mr. Larry M. Muzzello, Deputy to the Commanding General, Aberdeen Proving Ground**
Opening Remarks

0840 – 0900 **Ms. Lisa K. Frugé-Cirilli, AOC President**

0900 – 0940 **Major General John B. Morrison, Jr., Commanding General, U.S. Army Cyber Center of Excellence**
Keynote Address – Building Capacity and Integrating Capabilities

0940 – 1020 **Networking Break in the Raven’s Networking Tent**

1020 – 1040 **Mr. Luke McNamara**
FireEye

1040 – 1100 **TBD**

1100 – 1140 **Keynote Speaker**

1140 – 1240 **Lunch in the Raven’s Networking Tent**

Session 2: PEO IEW&S Way Ahead

1240 – 1250 **Opening Remarks & Security Briefing**
Session Chair: Mr. Fran Orzech

- 1250 – 1330 **Major General Kirk F. Vollmecke, Program Executive Officer for Intelligence, Electronic Warfare and Sensors (PEO IEW&S) Aberdeen Proving Ground, MD**
Keynote Address
- 1330 – 1410 **COL Kevin Finch, PM EW&C & Mr. Utroska, DPM EWI**
PM EW&C Overview of recent prototyping effort and urgent materiel deliveries
- 1410 – 1450 **Mr. Mark O’Neill, APM**
Long Range Radar, Airborne Reconnaissance Low - Enhanced (ARL-E), PM Sensors - Aerial Intelligence
- 1450 – 1530 **Break in the Raven’s Networking Tent**
- 1530 – 1610 **COL Nickolas Kioutas, PM, Positioning, Navigation and Timing Overview**
Positioning, Navigation and Timing Overview
- 1610 – 1650 **COL Thomas Nguyen, PM DCGS-A**
DCGS-A Cyber Analytic Toolkit (D-CAT), and StormForce
- 1650 – 1700 **COL(P) Robert Collins**
Closing Remarks
- 1730 – 2030 **Networking Reception at Ripken Stadium**
973 Long Drive, Aberdeen. MD 21001

Wednesday, October 24

APG C4ISR Campus, Myer Auditorium, Bldg 6000

- 0715 - 0810 **Continental Breakfast and Registration in The Raven’s Networking Tent**
- 0810 – 0820 **Opening Remarks and Conference Update**
Mr. Giorgio Bertoli and Mr. Rod Knecht, Conference Co-Chairmen
- 0830 – 0850 **Mr. Patrick J. O’Neill, SES, Director, U.S. Army Communications-Electronics Research, Development and Engineering Center**
CERDEC
- 0850 – 0950 **Brigadier General Jennifer G. Buckner, Director of Cyber G-3/5/7, U.S. Army**
Keynoter
- 0950 – 1020 **Break in the Raven’s Networking Tent**

Session 3: CEMA S&T activities

- 1020 – 1030 **Session Chair: Dr. Jeff Boksiner**
- 1030 – 1050 **Mr. Kyle Davidson, Chief Electronic Warfare Engineer Surveillance and Intelligence, MDA**
Understanding and Designing Formation Jamming Attacks
- 1050 – 1110 **Mr. Wesley Wang, Precision Armaments & Intelligent Sensors Division U.S. Army - ARDEC**
Disruptive Cyber and EW Rounds (DiCER)
- 1110 – 1130 **Mr. Jason Dirner, CERDEC I2WD**
Every Receiver a Sensor

1130 – 1150 **Dr. Thomas Stadterman, Survivability/Lethality Analysis Directorate, U.S. Army Research, Development and Engineering Command**
ARL's Cyber and Electromagnetic Technology in Complex Environments (CETCE) Essential Research Program (ERP) Overview

1150 – 1250 **Lunch in the Raven's Networking Tent – lunch moves early and is one hour**

Session 4: CEMA Threats & Doctrine

1250 – 1255 **AOC Awards**
Electromagnetic (EM) Battle Management Award - Captain Kevin Voss, USA
Test & Evaluation Award - Stratomist Project Team

1255 – 1305 **Opening Remarks & Security Briefing**
Session Chair: Mr. Adam Bogner

1305 – 1325 **Mr. Matthew Hunter, Technical advisor for Doctrine, Lessons and Best Practices at the Cyber Center of Excellence**
Cyberspace and Electronic Warfare Doctrine for Multi-Domain Operations

1325 – 1345 **COL Steve Oatman, Director, FORSCOM G-39, US Army Forces Command**
It's been a Marathon, not a Sprint!

1345 – 1405 **Mr. Andrew Mundy, Defense Research and Development Canada**
Ms. Linda Holtby, DSTL
Mr. Barry Bolton, I2WD CERDEC
NAVWAR Situational Awareness – from EW to CEMA

1405 – 1445 **Major General Gary Johnston, Commanding General, INSCOM**
Keynoter

1445 – 1530 **Break in the Raven's Networking Tent for those not attending the TS//REL//FVEYS**

Session becomes TS//REL//FVEYS

1510 – 1520 Security Remarks for TSCI

1520 – 1540 **Mr. Mike Lombardi, Director (A) I2WD**
CEMA support to LRPF)

1540 – 1600 **Mr. Larry Jennings & Mr. Bill Urrego, Army Rapid Capabilities Office and MITRE**
Artificial Intelligence (AI) Overwatch for EW Soldiers

1600 – 1620 **Mr. Dustan Hellwig, Chesapeake Technology International**
CEMA Planning, Execution, and Review on Government Open Platforms

1620 – 1640 **Mr. Lewis Alfredo, Standoff Munitions Application Center (SMAC)**
Survivability of Standoff Weapons

1640 – 1700 **Dr. Boris Gelfand, Electronic Warfare Associates**
Analog Attacks Against Cyber-Physical Systems

1700 – 1720 **Mr. Ryan Fillman, I2WD**
Stratomist Radio Emulation

1730 – 2030 **Networking Reception in Historic Havre de Grace**
Vandiver Inn, 301 S Union Ave, Havre De Grace, MD 21078

Thursday, October 25

APG C4ISR Campus, Myer Auditorium, Bldg 6000

- 0715 – 0800 **Continental Breakfast and Registration in The Raven’s Networking Tent**
- 0800 – 0805 **Welcome, Administrative Briefing and Conference Update**
Mr. Giorgio Bertoli and Mr. Rod Knecht, Conference Co-Chairmen
- Session 5: Open Architecture & AI**
- 0805 – 0810 **Session Chair: Mr. William Taylor, Chief, CO2 Division, I2WD**
- 0810 – 0830 **Mr. Mike Russell, SRC Inc.**
CEMA 2018: SFTI - Indications and Warnings
- 0830 – 0850 **Mr. Aitzaz Nathaniel, I2WD CERDEC**
Intelligence is the Ability to Adapt to Change
- 0850 – 0910 **Mr. Jay Mork, General Dynamics Mission Systems**
Fighting in Airwaves: The Need for Automation
- 0910 – 0930 **Mr. Mike Lilienthal, Director of Cyber and Navy Programs EWA Government Systems**
The Employment of Wargaming Principles to Cyber Electromagnetic Activities
- 0930 – 1000 **Break in the Raven’s Networking Tent**
- 1000 – 1050 **Lieutenant General Stephen G. Fogarty, Commanding General, U.S. Army Cyber Command**
Keynoter
- 1050 – 1100 **Break**
- 1100 – 1220 **Panel Discussion - Network and Intelligence Systems Modernization**
Moderator: MG (R) Jennifer Napper, US Army
Mr. Giorgio Bertoli, CERDEC
Dr. Portia Crowe, PEO C3T
COL(P) Rob Collins, PEO IEWS
COL Rob Ryan, Army Futures Command, Network Cross Functional Team
- 1220 – 1230 **Closing Remarks**
Mr. Giorgio Bertoli and Mr. Rod Knecht, Conference Co-Chairmen
- 1230 – 1330 **Lunch at the Raven’s Networking Tent**

Note: the dress code for the CEMA Conference is business professional or military duty uniform (ACU). For the Monday CEMA Cell User Session event only, the dress code for all invitees is business casual (dress slacks/khakis/skirt and a button down dress shirt/blouse or polo). Evening network receptions are business casual.