



## Cyber Electro-Magnetic Activity 2019

Sessions will be held at Secret releasable Five Eyes up to TS/SCI releasable to Five Eyes.  
(as of 2 October 2019)

### Tuesday, 8 October

APG C4ISR Campus, Myer Auditorium, Bldg 6000

0700 – 0800 Continental Breakfast and Registration in the Raven's Networking Tent

#### Session 1: General

0800 – 0805 Posting of the Colors, Maryland National Guard, Free State Challenge Academy

0805 – 0810 Welcome, Administrative Briefing & Conference Preview  
Mr. Giorgio Bertoli & Mr. Rod Knecht, Conference Co-Chairmen

0810 – 0830 Major General Mitchell L. Kilgo, Commanding General, U.S. Army Communications-Electronics Command  
Senior Commander, Aberdeen Proving Ground  
*Opening Remarks*

0830 – 0900 Mr. Muddy Watters, AOC President  
*AOC Welcome*

0900 – 0930 Brigadier General Robert Collins, PEO, Intelligence, Electronic Warfare & Sensors (IEW&S)  
*CEMA 2019*

0930 – 1000 Brigadier General Matthew Easley, Director, Army AI Task Force, Army Futures Command  
*Operationalization of Army AI*

1000 – 1040 Break in the Raven's Networking Tent

1040 – 1120 Lieutenant General Stephen Fogarty, Commanding General, Army Cyber Command  
*Integrated CEMA Across the full Information Environment*

#### Session 2: S & T

1120 – 1130 Opening Remarks & Security Briefing  
Session Chair: Mr William Taylor, U.S. Army, CCDC C5ISR

1130 – 1150 COL Eric Aslakson, Chief, Requirements and Integration, Cyber Center of Excellence  
Dr. Richard Wittstruck, U.S. Army, CCDC C5ISR Center  
*Cyber Blitz 19 Initial Insights in Support of MDO 2028*

1150 – 1210 Mr. Brian LaRocca, U.S. Army, CCDC C5ISR Center, I2WD EA&R  
*Training Artificial Neural Networks for Radio Direction Finding*

1210 – 1310 Lunch in the Raven's Networking Tent

**Session 2: S & T (continued)**

- 1310 – 1320     **Opening Remarks & Security Briefing**  
**Session Chair: Mr William Taylor, U.S. Army, CCDC C5ISR**
- 1320 – 1340     **Mr. Steve Govea, Motorola Solutions, Applied Technology**  
*Applications of AI and ML to SIGINT and EW*
- 1340 – 1400     **Mr. Philip Trainor, Keysight Technologies**  
*Techniques for Deceptive Signals Generation*
- 1400 – 1420     **Dr. Keith Krapels, SES, Director, Sensors and Electron Devices Directorate Combat Capabilities Development Command, U.S. Army Research Laboratory**  
*Distributed RF Sensing for Future Multi Domain Operations*
- 1420 – 1440     **Mr. Wesley Wang, U.S. Army CCDC Armaments Center**  
**Mr. Sagor Hoque, U.S. Army AFC CCDC C5ISR Center I2WD**  
*FY19 Update - Disruptive Cyber and Electronic Warfare Rounds*
- 1440 – 1500     **Mr. Metin Ahiskali, CCDC C5ISR Center**  
*Identification of Encrypted Network Traffic using Machine Learning*
- 1500 – 1540     **Break in the Raven’s Networking Tent**
- 1540 – 1600     **Mr. Keith Ballantyne, Sechan Electronics, Inc.**  
**Mr. Ash Law, SIGINT Systems, LLC**  
*Advancing modular commodity compute power in integrated CEMA operations*
- 1600 – 1620     **Mr. Jerry Harper, PM Mission Command**  
*Cyber Situational Understanding*

**Session 2: S & T (Session becomes US Secret Only)**

- 1620 – 1640     **Mr. Mark Farwell, AFC CCDC C5ISR Center, I2WD**  
**Mr. Metin Ahiskali, CCDC C5ISR Center**  
*So... You Want to do [Tactical] Cyber?*
- 1640 – 1700     **Mr. Eric Lentz, SRC, Inc.**  
**Mr. Roberto Rey-de-Castro, SRC, Inc.**  
*Training of Deep Neural Networks for Threat Detection (NO FORN Briefing)*
- 1730 – 2030     **Networking Reception at Waters Edge Event Center**  
*4687 Millennium Drive, Belcamp, MD 21017*

**Wednesday, 9 October**

APG C4ISR Campus, Myer Auditorium, Bldg 6000

- 0715 – 0800     **Continental Breakfast and Registration in the Raven’s Networking Tent**
- 0800 – 0810     **Opening Remarks and Conference Update**  
**Mr. Giorgio Bertoli and Mr. Rod Knecht, Conference Co-Chairmen**
- 0810 – 0850     **Mr. Adam Nucci, Deputy Director, U.S. Army HQDA G-3/5/7 Cyber, Electronic Warfare, Information**  
*Keynote Address*
- 0850 – 0930     **Mr. Patrick J. O’Neill, Director, C5ISR Center**  
*C5ISR briefing*
- 0930 – 1000     **Break in the Raven’s Networking Tent**

- 1000 – 1100     **The Honorable Dr. Bruce D. Jette, Assistant Secretary of the Army for Acquisition, Logistics and Technology**  
*Keynote Address*
- 1100 – 1140     **COL Kevin Finch, PEO IEW&S**  
**COL Mark Dotson, TRADOC Capabilities Manager, Electronic Warfare Cyber Center of Excellence**  
*On the Road to 2028... a Campaign of Learning*
- 1140 – 1210     **Major General Gary Johnston, U.S. Army, Commanding General, Intelligence and Security Command**  
*Keynote Address*
- 1210 – 1310     **Lunch in the Raven's Networking Tent**
- 1310 – 1340     **Major General Neil Hersey, Commanding General, Cyber Center of Excellence and Fort Gordon**  
*Keynote Address*
- 1340 – 1410     **Major General Joel K. Tyler, Commanding General, U.S. Army Test and Evaluation Command**  
*ATEC Cyber/EW Testing*

**Session 3: TS//SCI//REL FVEYS**

**\* Networking Break in the Raven's Networking Tent for those who cannot attend the TS//SCI session.**

- 1415 – 1420     **Opening Remarks & Security Briefing**  
**Session Chair: Mr. Bret Eddinger, U.S. Army CCDC C5ISR Center**
- 1420 – 1440     **Mr. Greg Kraus, CCDC C5ISR SIGINT/QRC/ Innoplex LLC**  
**Mr. Mark Schneider, Innoplex LLC**  
*Enabling Army SIGINT via collaborative tactical field exercise*
- 1440 – 1500     **Mr. Jon Cichowicz, IDS International**  
*Addressing Short and Long Term Deficiencies in CEMA Cell Capacity Through a Public-Private Partnership Model*
- 1500 – 1540     **Break in the Raven's Networking Tent**

**Session 4: TS//SCI//NO FORN**

- 1540 – 1610     **Mr. Sean O'Hara, SRC Inc.**  
*Deployment of Multi-Function RF for the CUxS Fight*
- 1610 – 1630     **SSG Bret McCasSkill, D Co; 14th BEB 2-2 SBCT**  
*From Strategic to Tactical: Following the Army's First EW Platoon*
- 1630 – 1650     **Ms. Natalie Mitchell, Technology Management Associates**  
**Mr. William Newton, Praxis Engineering**  
*CEMA in JICD 4.2*
- 1730 – 2030     **Networking Reception in Historic Havre de Grace**  
*Vandiver Inn, 301 S Union Ave, Havre De Grace, MD 21078*

**Thursday, 10 October**

APG C4ISR Campus, Myer Auditorium, Bldg 6000

- 0725 – 0820     **Continental Breakfast and Registration in the Raven's Networking Tent**
- 0820 – 0830     **Welcome, Administrative Briefing and Conference Update**  
**Mr. Giorgio Bertoli and Mr. Rod Knecht, Conference Co-Chairmen**

## **Session 5: DOTMLPF-P**

- 0830 – 0840     **Opening Remarks & Security Briefing**  
**Session Chair: Dr. Jeff Boksiner, CCDC C5ISR Center**
- 0840 – 0910     **Major General Peter Gallagher, Director, Network Cross-Functional Team**  
**Major General David Bassett, PEO Command, Control and Communications-Tactical**  
*Keynote Address*
- 0910 – 0930     **Mr. Matthew Maher, Processus Group Inc**  
*DOTMLPF-P Analysis in a Knowledge Model*
- 0930 – 0950     **CW3 Zachary Cervantes, EW Warrant Officer, 25th Infantry Division**  
*Multi-Domain Operations at the Brigade Combat Team and Below*
- 0950 – 1010     **Mr. Steve Jones, Raytheon SAS**  
*MFEW/EWPMT Enables “What if...”*
- 1010 – 1050     **Break in the Raven’s Networking Tent**
- 1050 – 1210     **Technical Panel Discussion**  
**Moderator: Mr. Richard Amott, Perspecta**  
**Panelists:**  
                    **COL Mark Dotson, TRADOC Capabilities Manager, Electronic Warfare Cyber Center of Excellence & Fort Gordon**  
                    **COL John Transue, Director, TCM-Cyber, CCOE**  
                    **LTC Trevor Chartier, Network CFT**  
                    **Mr. Vaughn Laganosky, TCM Terrestrial and Identity**
- 1210 – 1220     **Closing Remarks**  
**Mr. Giorgio Bertoli and Mr. Rod Knecht, Conference Co-Chairmen**
- 1220 – 1320     **Lunch at the Raven’s Networking Tent**

**Note:** *the dress code for the CEMA Conference is business professional or military duty uniform (ACU). Evening network receptions are business casual.*

## **Post-Conference Information**

A list of speaker email addresses (as approved for release) is available at the registration desk. Please contact speakers directly for questions about their briefing. In an effort to assess this conference and the quality of future events, please take a moment to fill out the survey. The survey will be distributed post conference via email. Your feedback is crucial in continuing essential events.