

# Cyber Electromagnetic Activity (CEMA) Conference

April 29 – May 1, 2025 | Aberdeen Proving Ground, MD



**Theme:** All Domain Operations in Support of the Deep Fight

**Objective:** CEMA 2025 advances last year’s narrative of “EW Overmatch” to one of “All Domain Operations” where Division commanders have multiple capabilities at their disposal to achieve shaping or decisive effects in the deep fight. It is the artful combination of human and machine integrated capabilities for crewed and uncrewed teaming and leveraging autonomous platforms and not soldiers to make first contact with the enemy. This conference will focus on the synchronization of manned and unmanned capabilities while utilizing intelligence sources and advanced sensors to help sense, identify, effect, and facilitate better decision-making to produce the desired advantage.

**Call for Papers:** Original presentations are being solicited from the United States Government, Academia, Industry, Operational Units, and Subject Matter Experts on how current and emerging technologies in electronic warfare, cyber, signals intelligence, information operations, and other forms of non-kinetic engagement will support deterrence of our adversaries win decisively in a joint, multi-domain, high-intensity conflict across all phases of competition.

**Submissions must be Unclassified and focus on the following topic areas:**

- Science & Technology: Current, emerging, and future trends in EW/Cyber/SIGINT/IO technologies, architecture, techniques, use of machine learning/artificial intelligence, and other novel technologies
- Acquisition Programs: updates from key leadership, program and capability managers, and policy makers on current and emerging programs of record, quick reaction capabilities, and rapid prototyping efforts
- Exercises & Experimentation: Lessons learned from CEMA exercises and experimentation
- DOTMLPF-P: integrating holistic CEMA solutions into Army and Joint formations in support of multi-domain operations
- From the Field: feedback on current employment of CEMA capabilities from operational units, emerging CONOPS, TTPs, signature management, and force structure implications
- Special Emphasis Topics:
  - Multi-Domain Effects for Lethal and Non-lethal Targeting
  - EW and Cyber Solutions for the Air/Ground Littoral
  - Deploying AI and Machine Learning on the Battlefield
  - Technology in Support of Human Machine Integrated Formations
  - EMBM in support of Joint All Domain Command and Control
  - Contested Logistics in Contest Environments
  - Speed to Decision with C2 Next
  - Assured PNT and Navigation Warfare

For more information visit the conference website <https://www.crows.org/page/CEMA2025>

## **IMPORTANT DATES<sup>1</sup>:**

Abstracts Due: 17 January 2025

Notification of Acceptance: Week of 17 February 2025

Final Presentations Due: 7 April 2025

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<sup>1</sup> Note: dates are proposed for initial planning purposes only and subject to change. Actual dates are expected to fall on or within 7 – 10 days of listed dates.

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**All abstracts must be unclassified and MUST follow the attached abstract template.**

(All fields are mandatory and must accompany your 400 words or less Unclassified abstract)

Briefer's Full Name: \_\_\_\_\_

Briefer's Organization: \_\_\_\_\_

Briefer's Job Title: \_\_\_\_\_

Briefer's Email: \_\_\_\_\_

Briefer's Phone Number: \_\_\_\_\_

Presentation Title: \_\_\_\_\_

**If accepted, final presentation will be marked, submitted and briefed at the following classification (please ensure you check all that apply so you are placed into the agenda according to paper classification)**

Unclassified  US Secret  TS/SCI

**SPEAKER LISTING:** We understand there are often several authors who participate in preparing a presentation, please only list the person who will present onsite if your paper is selected to be in the agenda.

**PROPOSED SUB-TOPIC AREA (Choose one or more):**

Science & Technology: Current, emerging, and future trends in EW/Cyber/SIGINT/IO technologies, architecture, techniques, use of machine learning/artificial intelligence, and other novel technologies

Acquisition Programs: Updates from key leadership, program and capability managers, and policy makers on current and emerging programs of record, quick reaction capabilities, and rapid prototyping efforts

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DOTMLPF-P: Integrating holistic CEMA solutions into Army and Joint formations in support of multi-domain operations

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Special Emphasis Topics:

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Please forward abstracts to Ms. Christine Armstrong, [armstrong@crow.org](mailto:armstrong@crow.org) by 17 January 2025.