



Overview

The Australian Chapter of the Association of Old Crows will hold its biennial Electronic Warfare (EW), Electromagnetic Spectrum Operations (EMSO), Cyber Electromagnetic Activities (CEMA) and Information Operations/information Warfare (IO/IW) Convention from 12th to 13th October 2022 at the Adelaide Convention Centre. The Convention theme will focus on 'Winning the Information War in the Indo-Pacific', and seeks to investigate the challenges and potential solutions (technical, organisational, doctrinal, policy) posed by the emerging security and technological landscape in the Indo-Pacific region in the context of the EW/EMS, cyber, and IO/IW dimensions of the strategic environment.

Call for Presentations

Presentations are sought from any parties with an interest in EW/EMSO/CEMA/IO/IW: operators, planners, policy makers, the acquisition and sustainment community, the science and technology community, academia, and industry. Presentations will address one of the themes/topics outlined below and are to be of about 20 minutes duration (including a brief question and answer session).

Convention Themes

Presentations addressing the following broad topics are sought:

- Interoperability and Collaboration
- Keeping pace with the evolving threat environment, and the technology advances to meet this threat
- Coalition operations and the importance of interoperability with regional partners
- EW, CEMA and IO/IW relationships
- Information requirements to enable next-generation capabilities
- Procurement strategies to meet technology refresh rates
- Integrating kinetic and non-kinetic effects across EW, CEMA and IO/IW domains
- Role and use of Artificial Intelligence in support EW, CEMA and IO/IW operations
- Simulation and training: fifth generation systems in a joint/multi-national context
- Real world case studies, including lessons from recent conflicts

Presentations relating to the following stream-specific topics are also sought:

EW/EMSO Stream

- EW/EMSO and space systems
- Operating in a degraded EMS and precision navigation and timing environment

- Novel and emerging technologies for EW: receivers, transmitters, antennas, and signal processing
- From data to information: algorithms and data processing for a crowded spectrum
- Novel system architectures for EW/EMSO
- Multi-function EW apertures: fantasy or reality?
- Networked EW systems
- Cognitive EW and aligned systems

Cyber Stream

- Cyber forensics / security
- Protecting national information infrastructure
- The role of industry, research and development, and academia in the cyber enterprise
- Information security
- Securing the Cloud based enterprise
- Practical network cyber hardening
- Cyber / EW integration
- Tactical applications of cyber attack and defence

IO/IW Stream

- Weaponizing social media
- Integrating information effects
- IO/IW and anti-access/area denial
- IO/IW and hybrid warfare
- Impact of fake news and kompromat on national security
- Defence against IO/IW
- Social Media campaigns and their support to IO/IW

Important Dates

Abstracts Due: Friday 15th July 2022

Notification of Acceptance: Friday 19th August 2022

Note for Participants

The AOC Australian Chapter wishes to ensure that all materiel submitted, presented and discussed at the conference is properly available to all the conference participants both during and after the conference. It is the responsibility of all participants to ensure that all discussions and presentation material is compliant with Australian and the participant's host country and companies, laws and regulations regarding the export of controlled technical information. Whether it relates to Security Classification, Intellectual Property, Export Control Law (inclusive of the US International Traffic in Arms Regulations ITAR) and or any Confidentiality Arrangements. The Australian Chapter of the AOC reserves the right to refuse publication of the work and or participation at the conference for any participants failing to adhere to this principle.

Begin Submission Process

To begin the submission process you must first access the abstract submission portal (<https://aomevents.eventsair.com/PresentationPortal/association-of-old-crows-aoc-convention-2022/abstract-submission-portal>) create a contact which is done on the *Contact Information* tab. After creating a contact, additional tabs will appear that will enable you to upload and submit your abstract.