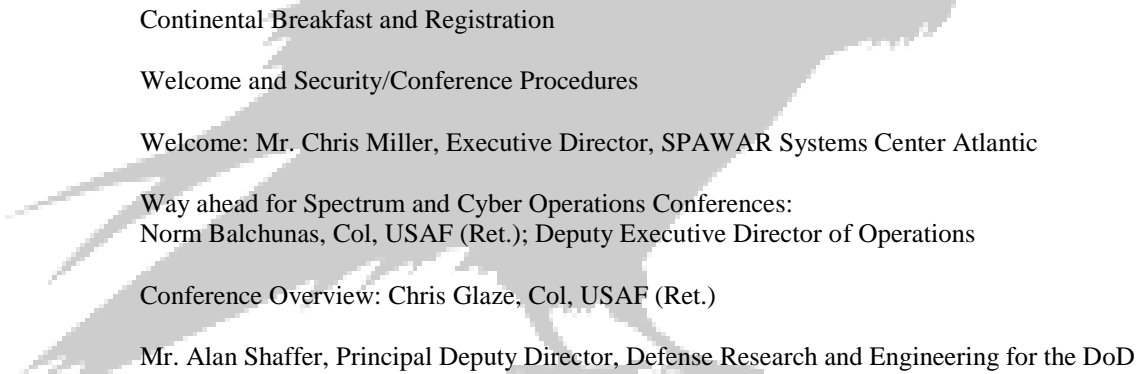# Converging Cyber, Information Operations, and Electronic Warfare

Tuesday, November 29th: **How is the Convergence of Cyber, EW and IO Changing How We Plan to Fight?**

General CLASSIFIED Sessions: **SPAWAR Atlantic Cooper River Landing Conference Center (Bldg 3112)**
9:00 a.m. – 5:00 p.m.

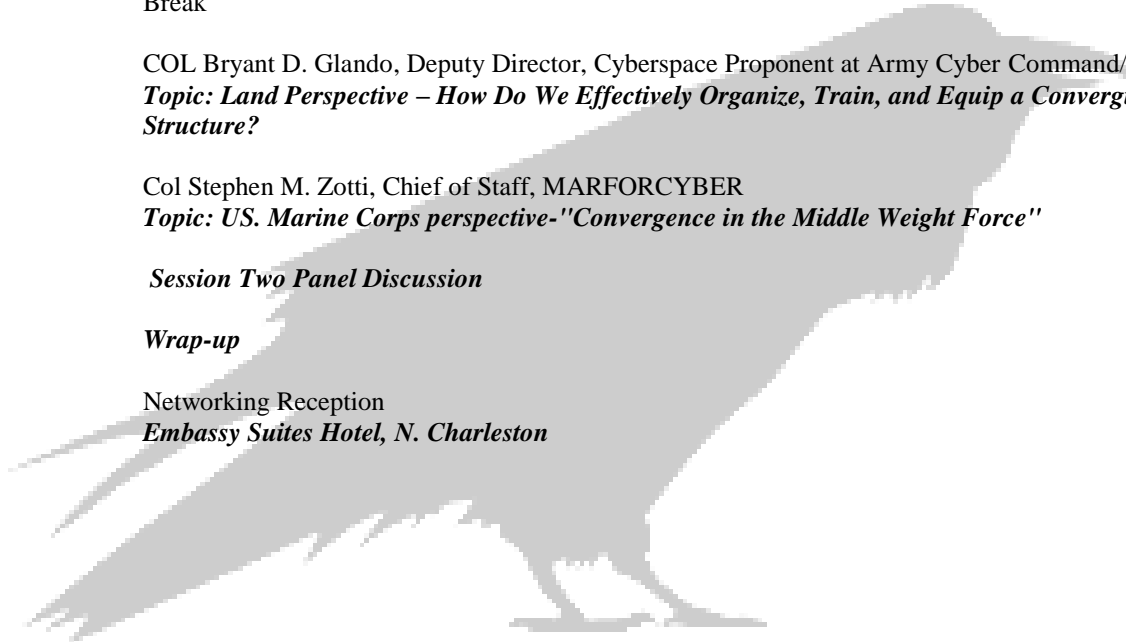## Session 1 – Defining Convergence: A Senior Perspective on 21st Century Warfare

0800 – 0900	Continental Breakfast and Registration
0900 – 0905	Welcome and Security/Conference Procedures
0905 – 0915	Welcome: Mr. Chris Miller, Executive Director, SPAWAR Systems Center Atlantic
0915 – 0920	Way ahead for Spectrum and Cyber Operations Conferences: Norm Balchunas, Col, USAF (Ret.); Deputy Executive Director of Operations
0920 – 0930	Conference Overview: Chris Glaze, Col, USAF (Ret.)
0930 – 0950	Mr. Alan Shaffer, Principal Deputy Director, Defense Research and Engineering for the DoD
0950 – 1010	RADM Margaret "Peg" Klein, Chief of Staff, U.S. Cyber Command
1010 – 1030	Ms. Rosemary Wenchel, Director of Cyber Capabilities and Operations Support, OUSD(I) J&CWS
1030 – 1045	Break
1045 – 1200	Senior Leader Vision Panel *Topic: Cyber Weapons Integration/Coordination in Traditional EW/IO* *Focus: Preparing the Battlespace* Chris Glaze, Col, USAF (Ret.) *(Facilitator)* Mr. Alan Shaffer, Principal Deputy, Defense Research and Engineering for the Department of Defense RADM Margaret "Peg" Klein, Chief of Staff, U.S. Cyber Command Ms. Rosemary Wenchel, Director of Cyber Capabilities and Operations Support, OUSD(I) J&CWS
1200 – 1300	**Lunch**

Session 2 – Convergence and Command:
How Do the Services Effectively Organize, Train, and Equip a Converging Force Structure?

1300 – 1345   Col Robert Morris, 24 AF(AFCYBER) Air Component Coordination Element
Topic: Air and Space Perspective – Defining Convergence:
Where Cyber, Electronic Warfare, and IO Meet

1345 – 1430   Mr. David Hime, AFRL/RYW
Topic: Priorities for a Converging Force

1430 – 1445   Break

1445– 1515   COL Bryant D. Glando, Deputy Director, Cyberspace Proponent at Army Cyber Command/2d Army
Topic: Land Perspective – How Do We Effectively Organize, Train, and Equip a Converging Force Structure?

1515 – 1545   Col Stephen M. Zotti, Chief of Staff, MARFORCYBER
Topic: US. Marine Corps perspective-"Convergence in the Middle Weight Force"

1545 – 1615   *Session Two Panel Discussion*

1615 – 1630   *Wrap-up*

1730 – 1930   Networking Reception
Embassy Suites Hotel, N. Charleston

Wednesday, November 30th: **What Will the Fight for the Electromagnetic Spectrum Look Like in Twenty-Five Years From Now?**

General CLASSIFIED Sessions: **SPAWAR Atlantic Cooper River Landing Conference Center (Bldg 3112)**
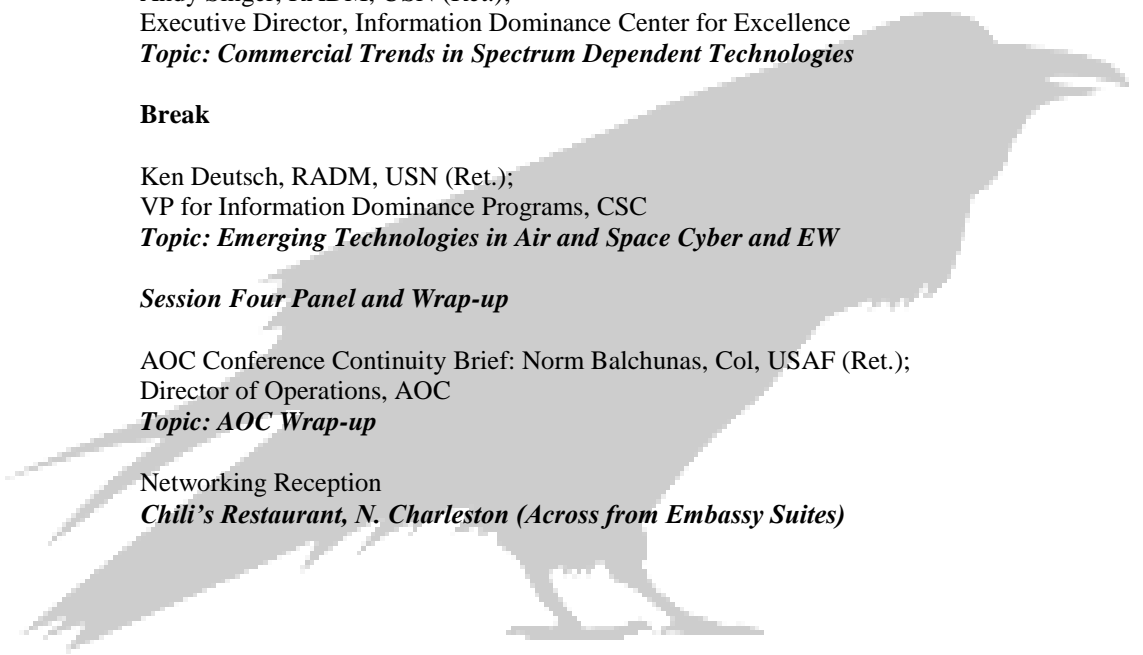9:00 a.m. – 5:00 p.m.

Session 3 – Convergence and Operations:
How Do We Effectively Plan, Maneuver, and Assess Cyber, EW, and IO?

0800 – 0900	Continental Breakfast
0900 – 0910	Day 2 Overview and Security
0910 – 0940	Keynote Speaker: Ms. Rosemary Wenchel, Director of Cyber Capabilities and Operations Support, OUSD(I) J&CWS *Topic: Operations, Intelligence, or Communications: How Do We Execute Operations with a Converging Force Structure?*
0940 – 1010	COL Randy Rosin, USCENTCOM J39 *Topic: A COCOM Perspective – Operations, Intelligence, or Communications: How Do We Execute Operations with a Converging Force Structure?*
1010 – 1030	**Break**
1030 – 1115	Steven McPherson, Col, USAF (Ret.) *Topic: Air and Space Perspective – Operations, Intelligence, or Communications: How Do We Execute Operations with a Converging Force Structure?*
1115 – 1200	Mr. F. Austin Branch, SES, Director of IO OSD *Topic: Joint Perspective – Operations, Intelligence, or Communications: How Do We Execute Operations with a Converging Force Structure?*
1200 – 1230	*Session Three Wrap-up*
1230 – 1330	**Lunch**

Session 4 – Emerging Cyber and Electronic Warfare Technologies

1330 - 1400   Keynote Speaker: Mr. Dan Kaufman, Director of Information Innovation Office, DARPA
Topic: Emerging Technologies in the Cyber and EW Mission Areas

1400 – 1410   Chris Glaze, Col, USAF (Ret.)
Topic: Introduction of Session IV Speakers

1410 – 1440   Mr. Robert Giesler, Vice President for Cyber Programs, SAIC
Topic: Commercial Trends in Cyber Technologies

1440– 1510   Andy Singer, RADM, USN (Ret.);
Executive Director, Information Dominance Center for Excellence
Topic: Commercial Trends in Spectrum Dependent Technologies

1510 – 1530   **Break**

1530 – 1600   Ken Deutsch, RADM, USN (Ret.);
VP for Information Dominance Programs, CSC
Topic: Emerging Technologies in Air and Space Cyber and EW

1600 – 1645   *Session Four Panel and Wrap-up*

1645 – 1700   AOC Conference Continuity Brief: Norm Balchunas, Col, USAF (Ret.);
Director of Operations, AOC
Topic: AOC Wrap-up

1730 – 1930   Networking Reception
Chili's Restaurant, N. Charleston (Across from Embassy Suites)

Thursday, December 1st: **What Cyber and EMS Technologies Are Going to Drive the Fight over the Next 25 Years?**

General CLASSIFIED Sessions: **SPAWAR Atlantic Cooper River Landing Conference Center (Bldg 3112)**
9:00 a.m. – 4:30 p.m.

Session 5 – 21st Century Cyber/EW Operational Topics

0830 – 0900	Continental Breakfast
0900 – 1000	Mr. Steve Mervyn, NSWC Crane, IN *Topic: Emerging Technologies and Training Facilitating the Convergence*
1000 – 1015	**Break**
1015 – 1040	CAPT Gregg Smith, NETWARCOM *Topic: FLEET Technologies and Doctrine Integrating CYBER/EW/IO*
1040 – 1100	**Break**
1100– 1145	LtCol Jason "Dizzy" Schuette, USMC *Topic: Distributed, Scalable EW – A MAGTF Vision*
1145 – 1230	Mr. Wayne Ulman, NASIC (Invited) *Topic: Intelligence Aspects of Cyber and EW*
1230 – 1330	**Lunch**

Session 6 – Emerging SPAWAR Cyber/EW Technologies

1330 - 1345	CAPT Mark Glover, Commanding Officer, SPAWAR System Center Atlantic
1345 – 1400	Mr. Mike Shafer *Topic: Introduction of Session VI Speakers*
1400 – 1430	Ms. *Jessica Reno, Code 5.6.1* *Topic: Emerging SPAWAR Cyber and EW Technologies in the Maritime Domain*
1430 – 1445	**Break**
1445 – 1515	Mr. Jeffrey Bullock & Mr. Jeffrey Scaparra *Topic: Cyber Innovations*
1515 – 1545	Mr. Samuel Yaryan / Mr. Jesse Jans *Topic: Competency Development Challenges and Initiatives: Training for Cyber Superiority*
1545 – 1600	Chris Glaze, Col, USAF (Ret.) *Topic:* AOC TS/SCI Session Wrap-up