**NAME: Wayne Michael Hall**

Brigadier General, US Army, Retired

**Title:** President/CEO, Intelligence Consultant, Thought Leader, Teacher, and Author

**Security Clearance**: TS/SBI, SCI access capable with read-on

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**General:**

**Thought Leader.** Acknowledged and recognized theorist in the fields of intelligence analysis and intelligence collection. Thought mentor for helping people learn ‘*how to think*,’ ‘engage in *deep thinking*,’ think *creatively*, and think *critically*. Brigadier General Hall has developed a unique system of thought for advanced intelligence analysis, advanced intelligence collection, thinking strategically, and ‘will’ to work in the full spectrum of conflict, law enforcement operations, homeland security, and in competitive commercial activities. Wrote and published comprehensive textbooks on intelligence analysis and intelligence collection that provide the theoretical and historical frameworks for respective systems of thought and courses/seminars.

**Education Senior Seminar Leader and Curriculum Developer.** Wrote entire curriculum, developed, and has led two-week and one-week advanced analysis seminars from 2008, continuing to this day. Led, mentored, and educated ~ 1350 Army, Air Force, Marine, and civilian intelligence analysts and collection people in 53 seminars over 7 years. General Hall has written a comprehensive advanced collection course from the ideas and concepts in his collection textbook to complement his advanced analysis seminar.

**Intelligence, Surveillance, and Reconnaissance (ISR).** From 2001-2009, provided advanced analysis and advanced collection support to the Joint Irregular Warfare Center and Joint Urban Operations Office (JUOO) at USJFCOM. Supported J9’s JUOO Joint Urban Resolve 2004 and 2005 to develop ways to counter the enemy’s ways to plan, employ, and assess effectiveness of IEDs. Developed alternative ways to use intelligence against insurgents in urban settings with a distributed decision support system (D²S²), point persistent surveillance operations, advanced analysis, advanced collection, human intelligence and counterintelligence, and ways to work against the adversary’s networks/system. Developed ISR framework to support urban operations and briefed thoughts to Battlespace Awareness (BA) Functional Capability Board (FCB). Provided senior concept support to Ft. Huachuca’s Battle Command Battle Lab for future Army ISR. Developed program of instruction for advanced analysis and advanced collection. Provided senior concept developer support to DARPA’s Real Time Adversarial and Decision Making (RAID) technology experiments and demonstrations. As 501st MI Brigade commander, supervised aerial and ground intelligence collection operations in Korea. As J2, USFK, directed collection and denial planning and operations against North Korea involving all intelligence disciplines, automation and communications architectures. Sustained day and night all-source intelligence analysis and collection operations.

**Intelligence Support to Homeland Security**. Provided creative thinking, knowledge, and intelligence expertise to Homeland Security Advanced Concepts Technology Demonstration (ACTD). Developed ways to think about terrorist attacks in the homeland, to anticipate and preempt enemy intelligence concepts of operation, techniques, and procedures for anticipating and denying terrorist attacks. Provided senior mentor support to USJFCOM J7 on Homeland Security.

**Knowledge Operations**. Senior concept developer/mentor to USJFCOM J9 and J7 in knowledge, knowledge management, and knowledge readiness. Wrote an extensive knowledge primer on the use of knowledge, knowledge management and knowledge readiness in military operations. Senior mentor in Millennium Challenge 02 for knowledge operations. Senior Concept Developer for J9’s multi-national information sharing limited objective experiment (LOE) and collaborative information environment (CIE) LOE. Provided senior mentor support to TRADOC and Fort Gordon in TF Network development.

**Future Conflict**. Senior concept developer for counter-insurgency operations in urban settings.Senior mentor to J9’s Project Alpha – a creative think tank for futuristic concepts and roles of technology.Designed asymmetric (terrorist and insurgents) opposing force (OPFOR) concepts and implementation for Joint Special Operations Command (JSOC).Served as senior mentor for Army Intelligence Master Plan (AIMP) for future conflict, roles and missions, and training and education. Wrote and presented future conflict essay for the Association of the United States Army (AUSA) national meeting.

**Red Teaming**. Critical thinker on intelligence, knowledge management, knowledge readiness, information operations, asymmetric warfare in TRADOC’s Devil’s Advocate and Red Team programs. Red Team reviewer for USDI and USSOCOM for intelligence campaign plan (ICP) work. Provided USSOCOM lecture and seminar on future conflict. Provided Red Teaming and creative thinking and theory classes to TRADOC’s Red Team University. Served on Board of Visitors for Red Team University.

**Future Environment and Technological Implications.** Developed and led innovative concept called the Distributed Decision Support System (D²S²) Virtual Brain to provide decision support to deployed commanders. Developed a concept to establish a Joint Information Domain Component Command – JxI project.Provided ideas and concepts for finding and attacking insurgents’ networks, leveraging expertise to help understand counter-terror data, using traditional and non-traditional collection and advanced analysis to plan, execute, and assess counter-terror activities.

**Relevant Work**:

* Hall Consulting Company. July 2005 to present.

Title: President /CEO

Provides consulting services on Information Operations; intelligence, surveillance, and reconnaissance (ISR); ISR support to the IED problem; Red Teaming; concept development for future conflict; intelligence operations in M&S; virtual work environments; knowledge management and operations; adversary scenarios; creative problem solving; and critical thinking; was project lead for J9 Urban Operations Office in urban ISR and the Distributed Decision Support System (D²S²) Virtual Brain; wrote USDI’s JIOC-After Next vision; wrote curricula for advanced analysis and advanced collection; wrote and published book – *Intelligence Analysis How To Think In Complex Environments* . Provides two-week seminars on advanced analysis to soldier and civilian intelligence analysts in the US and Europe. Wrote and published book – *Intelligence Collection How To Plan and Execute Intelligence Collection In Complex Environments*.

* MZM, Inc. June 2002-June 2005

Title: Senior Executive Vice President for Homeland Security and Future Conflict

Provided consulting services on homeland security and planning for future conflict; on future intelligence, surveillance, and reconnaissance operations; on Red Teaming plans and on future conflict; and assisted clients in thinking about future roles, missions, implications for information operations (IO) and the role of knowledge in future conflict. Provided lectures to Industrial College of the Armed Forces (ICAF) and National Military Intelligence College (NMIC).

* Hall & Associates, Inc., 2000 – 2002

 Title: President/CEO

Provided consulting services in ISR, Information Operations, and Future Conflict for clients in Washington, D.C.; Fort Bragg, North Carolina; and Suffolk, Virginia. Clients included J7, J2, and J9, US Joint Forces Command; Joint Special Operations Command (JSOC); Office of the Secretary of Defense (OSD); National Geospatial Intelligence Agency (NGA); System of Systems Analytics (SoSA); SoAR Technology; Joint Forces Intelligence Center (JFIC); Army Intelligence Master Plan (AIMP); Veridian; TRW; SRI, Homeland Security Advanced Concept Technology Demonstration (HLS ACTD); TRADOC, and DARPA.

* Center for Information Advantage, Oak Ridge Tennessee, 1999 - 2001.

 Title: Director

Responsible for developing commercial IO programs, and developing a vision for greater involvement of Oak Ridge technologists with other governmental agencies.

* U.S. Army,Washington, DC, 1998-1999.

 Title: Brigadier General, Director, Intelligence XXI Study

Led and produced study of the future of Army Military Intelligence in 1998-1999. Managed study team of 30 people and budget of $1.2 million. Produced study report with over 80 recommendations for change to shape Army intelligence.

* U.S. Forces Korea, Seoul, Korea, 1996-1998

 Title: Brigadier General, J2, USFK, Deputy C2, Combined Forces Command (CFC).

Led 24/7 collection, automation, communications, and analytic operations, providing Indications and Warning, collection planning, all-source analysis, and intelligence estimates. Brought innovations in visualization and analysis to intelligence operations. Wrote controversial intelligence estimate used to drive POL/MIL activities as well as corresponding military operations plans.

* U.S. Army, Intelligence and Security Command, Seoul, Korea**,** 1994-1996

 Title:Colonel**,** Commander, 501st Military Intelligence Brigade

Commanded Military Intelligence Brigade. Conducted real-world 24/7 collection, communications, automation, and analytic operations for Commander in Chief, U.S. Forces Korea. Developed theater analytic center element (ACE) and deployable intelligence support element (DISE) designed to support Apache helicopter operations.

* U.S. Army, Fort Bragg, NC, 1989-1991

 Title: Lieutenant Colonel, Commander, 313 MI Battalion, 82d Airborne Division

 Led battalion during Just Cause (1989) and Desert Storm/Desert Shield (1990-1992).

* U.S. Army, Fort Bragg, NC, 1987-1989

Title: Lieutenant Colonel, G2, 82d Airborne Division

Responsible for all division intelligence operations.

* U.S. Army, Fort Carson, CO, 1986-1987

Title: Major, Division War Planner, 4th Infantry Division

Responsible for writing all division war plans.

**Education:**

Civilian:

- Educational Doctorate (EdD), Adult Education, George Washington University, 1985

- Master of Science, Adult Education, Kansas State University, 1977 - Bachelor of Science, History, University of Nebraska, 1969

- Senior Executive Program, Center for Creative Leadership, Greensboro, NC,

Military:

- National War College, 1991-1992

 - US Army School of Advanced Military Studies (SAMS), 1985

- Master of Military Arts and Sciences (MMAS)

- US Army Command and General Staff College, 1985

**Publications.**

 Books:

*- Stray Voltage: War in the Information Age*, Naval Institute Press, 2003

*- Intelligence Analysis How To Think In Complex Environments*, Praeger Security International, December 2009

*- Intelligence Collection How To Plan and Execute Intelligence Collection in Complex Environments,* Praeger Security International, July 2012

Articles: - “*Janus Paradox,”* AUSA Landpower Essay

- “Information Operations*,”* *Cyber Sword*

 - Numerous articles in *Military Intelligence* and *Military Review*