

## Ed Waltz

### Education

- M.S., Computer, Information and Control Engineering –University of Michigan (1971)
- B.S., Electrical Engineering – Case Institute of Technology (1968)

### Experience

- 2013-Present Distinguished Member of the Technical Staff at Virginia Tech, serving an IPA position within the U.S. Intelligence Community where is the Division Chief, Advanced Concepts. He leads intelligence process research focused on automating intelligence collection and data integration.
- 1983-2013 Previous experience in senior positions with BAE Systems Advanced Information Technologies (Chief Scientist), General Dynamics, and Veridian (Technical Director, Senior Scientist) in developing and deploying signal processing, data fusion and intelligence analysis capabilities. Lead numerous hard target Multi-INT studies and tool developments over the past decade for different agencies of the IC. Experience interacting extensively with intelligence collectors, analysts and consumers to develop and deploy new technical capabilities for intelligence analysts.
- 1968-1983 Prior experience as digital signal processor designer (Apollo, NASA Multispectral scanner, LANDSAT), systems engineer (Navy Radiometer, SEASAT, Space Shuttle) and Systems Engineering Manager (AN/UPX-30(V), Tri-Service Mark XV).
- He has given over 45 international lecture series (2 and 3-day courses) on intelligence topics during the period 1990-2010; He was regular invited lecturer at the National Intelligence University on Advanced Analytics 2004-2007.

### Awards

- National Intelligence Unit Meritorious Citation (2015 team recipient), individual recipient
- BAE Systems Engineering Fellow (April 2009);
- General Dynamics EDIS President's Award (May 2004)
- DoD Joe Mignona Data Fusion Award (2004);
- Veridian Technology Fellow (March 2003);
- NASA Space Shuttle STS-1 Performance and Analysis Integration Team Achievement Award (1981).

### Selected Scholarship

 He has published the following books

- *Quantitative Intelligence Analysis*; Rowman-Littlefield (2014).
- *Knowledge Management in the Intelligence Enterprise*; Artech (2003).
- *Information and Warfare Principles and Operations*; Artech (1998).
- Coauthored *Counterdeception Principles and Applications for National Security* (2007).
- Coedited *Multisensor Data Fusion*; Artech (1990).
- Coauthored *Multisensor Data Fusion*; Kluwer (2001).