

# Jerry L. Schlabach

## Experience with Computer Science and Engineering:

- ***Master of Science in Computer Science from University of Illinois at Urbana-Champaign*** in 1997. Maintained a 4.0 GPA while specializing in Artificial Intelligence, Computer Theory, and Computer Architecture. Thesis outlined a terrain-centric, n-tiered knowledge representation framework required to support battlefield-reasoning applications.
- ***Bachelor of Science from United States Military Academy at West Point*** in 1984. Graduated as a Distinguished Cadet (top 5%) with a 3.73 GPA while concentrating in Physics and Electrical Engineering. Two-month internship at the Los Alamos National Laboratory – developed a FORTRAN sensor control program for the Linear Particle Accelerator. Captain of Varsity Men’s Swim Team, Academy Record Holder, Division I Intercollegiate Champion.
- ***Developed reasoning engine for the FOX battlefield course of action (COA) generator*** using a genetic algorithm and a terrain-abstracted war-gamer. Used in five subsequent lines of research, to include Charles River Analytics’ support to the Agile Commander Advanced Technology Demonstration, and co-evolutionary studies at Army Research Laboratories.
- ***Developed concepts for and supported the development of CoRAVEN and Sheherazade.*** CoRAVEN demonstrated automated analysis of battlefield messages in an NTC environment using Bayesian evidential reasoning. Sheherazade demonstrated a multiple-player, non-zero-sum game engine for decision support in low-intensity conflicts like Iraq.

## Experience with Military Art and Science:

- ***Co-authored influential Field Manuals (FM’s)*** for Military Intelligence to include FM 34-2, “Collection Management and Intelligence Synchronization”; FM 34-8, “Combat Commander’s Handbook for Intelligence”; and FM 34-130, “Intelligence Preparation of the Battlefield.” Two of these manuals were significant doctrinal revisions from their predecessors, and the third (34-8) was a new manual. These manuals are all still current after 10 years, even though their lifetimes were originally scheduled for five years – 1992-1993.
- ***Designed and implemented a four-fold expansion of the Tactics portion of the MI Officer Advance Course*** – frequently cited in course AARs as the best block of instruction – 1992.
- ***Developed a leader-training course on the All Source Analysis System (ASAS)*** – instructional materials were widely re-used in many other training courses – 1995.
- ***Directed complete revisions of two enlisted Initial Entry Training courses for 96B Intelligence Analysts and 96H Joint STARS Ground Station Module Operators*** – cited for excellence by an independent TRADOC-level review – 1994.
- ***Tactical Intelligence Officer:***
  - G2 Plans Officer for V Corps Deep Operations during TF HAWK (Balkans) – 1999.
  - Brigade S2 for 9<sup>th</sup> Infantry Regiment during Operation JUST CAUSE (Panama) – 1989.

- Assistant Battalion S3 for the 107<sup>th</sup> MI Battalion – 1988-1989.
- Battalion S2 for 2<sup>nd</sup> Bn, 9<sup>th</sup> Infantry Regiment – 1986-1987.
- Assistant Brigade S2 for 9<sup>th</sup> Infantry Regiment – 1985-1986.

### **Experience with the Army Acquisition System:**

#### ***- Concept and Requirements Development:***

- Science and Technology Advisor for the U.S. Army Intelligence Center's Directorate of Combat Development (DCD). Persuaded the Assistant Secretary of the Army for Acquisition, Logistics, and Technology to reverse his previous decision, and authorize a STO for the "Fusion Based Knowledge for the Objective Force" program – 2002-2003.
- Operational/Requirements Manager for the Joint Intelligence, Surveillance, and Reconnaissance (JISR) ACTD. Focused the previously unfocused \$60M program – resulting system was successfully used during Operation Iraqi Freedom – 2000-2002.
- Technology Integration Officer for the DA Deputy Chief of Staff for Intelligence (Army G2) and the U.S. Army Intelligence and Security Command (INSCOM) – 1997-1999.

#### ***- Research and Development:***

- Participated in the Army Research Laboratory (ARL) FedLab programs – personal contributions widely recognized as one of the instrumental reasons for the major success of the \$15M Interactive Displays Consortium – 1995-1999.
- Chief of Experimentation and Prototyping at the MI Center's Battle Command Battle Lab (Huachuca). Directed the production of multiple prototypes such as "Vizier", a system that integrated the display of data from stove-piped systems and databases – 1999-2002.

#### ***- Test and Evaluation:***

- Test officer for Joint Interoperability Test Command (JITC) – Test director for the COMBINED ENDEAVOR coalition system interoperability program involving 43 nations from four continents. Also assessed coalition communication experiments – 2003-2005.
- Cited as an extraordinarily valuable observer while serving as a data collector to the exercise that activated the Digitized 4<sup>th</sup> Infantry Division, and also validated the Army Battle Command System (ABCS) version 6.0 – 1999.