

# Dr. James C. Kirsch

## U.S. Army Combat Capabilities Development Command Aviation & Missile Center Director (A)

Dr. James Kirsch was appointed to the Senior Executive Service in July 2019 where he serves as the Director for Software, Simulation, Systems Engineering and Integration Directorate in the U.S. Army Combat Capabilities Development Command. He leads a workforce of over 580 Government and 5,500 contractors exercising the full technical and managerial responsibility for research, exploratory, and advanced development of end-game lethality analysis, modeling and simulation technology, and aerodynamics for the Army's aviation and missile weapon



systems. In addition, the Directorate proves life cycle software engineering for numerous Army agencies including PEO Missiles and Space, PEO Aviation, Space and Missile Defense Command, and others. Dr. Kirsch ensures the S3I Directorate provides superior technical expertise to the Army and other users of Army systems in the areas of systems integration, hardware-in-the-loop simulation, system performance analyses, statistical data and error analysis, system simulation, simulation theory and technology, end-game lethality analysis, math model verification and validation techniques, and real-time time-critical simulation technology. Dr. Kirsch directs execution of over \$1.5B in Army and Joint Service funding ensuring the readiness of both the current and future force aviation and missile systems.

### **CAREER CHRONOLOGY:**

- July 2022 – Present: Director (A), U.S. Army Combat Capabilities Development Command Aviation & Missile Center
- July 2019 – July 2022: Director, Systems Simulation, Software and Integration, U.S. Army Combat Capabilities Development Command Aviation and Missile Center
- February 2019 – June 2019: Deputy Director (A), Systems Simulation, Software and Integration, U.S. Army Combat Capabilities Development Command Aviation and Missile Center
- May 2018 – February 2019: Deputy Director, Weapons Development and Integration Directorate (WDI), U.S. Army Aviation and Missile Research, Development, and Engineering Center (AMRDEC)
- November 2017 – May 2018: Acting Director, WDI
- October 2016 – November 2017: Deputy Director, WDI
- April 2016 – October 2016: Division Chief, Missile Technical Management Division, Engineering Directorate, U.S. Army AMRDEC, Redstone Arsenal, Alabama
- September 2009 – April 2016: Director, Systems Engineering Directorate and Chief Engineer, Joint Attack Munition Systems Project Office, Program Executive Office (PEO) Missiles and Space, Redstone Arsenal, Alabama
- October 2008 – September 2009: Deputy Director, Systems Engineering Directorate, Joint Attack Munition Systems Project Office, Program Executive Office (PEO) Missiles and Space, Redstone Arsenal, Alabama
- August 2007 – October 2008: Assistant Project Manager for Technology Insertion, Joint Attack Munition Systems Project Office, Redstone Arsenal, Alabama
- January 2000 – August 2007: Lead Engineer, Weapons Sciences Directorate, U.S. Army Aviation and Missile Research, Development, and Engineering Center, Redstone Arsenal, Alabama
- March 1987 – July 2000: Research Electronics Engineer, Weapons Sciences Directorate, U.S. Army Aviation and Missile Research, Development, and Engineering Center, Redstone Arsenal, Alabama

#### **COLLEGE:**

- Ph.D., Optical Science & Engineering, University of Alabama in Huntsville, 2004
- MS, Electronics Engineering, University of Alabama in Huntsville, 1991
- BS, Electronics Engineering, University of Alabama in Huntsville, 1987

#### **CERTIFICATIONS:**

- DAWIA Level III, Engineering (formerly System Planning, Research, Development, and Engineering)
- DAWIA Level II, SPRDEC Program Systems Engineer
- Army Acquisition Corps

- INCOSE Certified Systems Engineering Professional with DoD Acquisition Specialty

**AWARDS AND HONORS:**

- Superior Civilian Service Award, April 2016
- 2015 Defense Acquisition Workforce Achievement Award for Engineering
- 2015 AAE Excellence in Leadership Award: Engineering and Systems Integration Professional of the Year
- Commander's Award for Civilian Service, July 2012
- Army Research, Development, & Engineering Achievement Award, 1991 and 2000

**PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS:**

- Association of the United States Army (AUSA)
- Army Aviation Association of America (AAAA)
- International Council on Systems Engineering (INCOSE)

**MAJOR PUBLICATIONS:**

- Optical Engineering
- Applied Optics