

Epitome

Technical Expertise:	<i>Avionics</i> <i>Airborne Sensor Systems</i> <i>Electro-Optical Systems</i> <i>Infrared Systems</i> <i>Ultraviolet Systems</i> <i>Airborne Radar</i> <i>Unmanned Air Vehicles</i> <i>Data Links</i>	<i>Test and Evaluation</i> <i>Flight Test Engineering</i> <i>Systems Engineering</i> <i>Electronic Warfare</i> <i>Infrared Countermeasures</i> <i>Navigation and Targeting</i> <i>Unmanned Aerial Systems</i> <i>Low Observables</i>
Professional Experience:	35+ Years: United States Air Force, USAF Test Pilot School, Air Force Flight Test Center, Lockheed Martin-Fairchild Systems, Lockheed Martin Skunk Works®, Loral, Sverdrup Technology, Computer Science Corporation, American Eagle Aerospace LLC.	
Teaching Experience:	35+ Years including University and Professional Training Programs and Field Training Detachment (FTD) instruction in Avionics Maintenance	
Significant Programs:	<i>F/A-18D (RC) TAC RECCE</i> <i>Advanced Tactical Air Reconnaissance System (ATARS)</i> <i>F-16R Theater Airborne Reconnaissance System (TARS)</i> <i>Darkstar - High Altitude Long Endurance (HALE), Low Observable UAV</i> <i>Low Altitude Navigation and Targeting Infrared for Night (LANTIRN)</i> <i>SR-71 Blackbird and U-2 Dragon Lady (Senior Crown, Senior Year)</i> <i>Numerous Classified (Black) Programs</i>	

Academic Degrees

M.S.E.E	University of New Mexico, Albuquerque, NM, May 1984
Academic Load/GPA:	36 Semester Hrs, 3.85 on a 4.0 scale
Accentuation:	Electro-Optics and Solid State Physics
Awards:	Electrical Engineering Department Scholar Award
Experience:	Graduate Teaching Assistant for Junior-Level Electronics & Labs
B.S.E.E	University of New Mexico, Albuquerque, NM, May 1983
Academic Load:	136 Semester Hours, 3.55 on a 4.0 scale
Accentuation:	Electronics Engineering, Minor in Mathematics
Awards:	IEEE Open House Grand Prize Winner for Senior Design Project: <i>Design and Calibration of a CMOS Auto-Ranging Multimeter</i>
A.S.	Yuba Community College, Yuba City, CA
Academic Load:	66 semester hours, 4.0 on a 4.0 scale
Accentuation:	Electronics Technology, Engineering Mathematics, and Physics

Academic Degrees (continued)

Post-Graduate Studies

Flight Test Engineering: USAF Test Pilot School, Air Force Flight Test Center, Edwards AFB, 1984
50 Semester Hours of Flight Test Engineering Graduate Courses 1987-1988
Short Courses: *Numerous, including 4 weeks of education in Experimental Design*

Professional Experience

2010 to Present White Eagle Aerospace, LLC
Oro Valley, AZ
Adjunct Instructor/Speaker

2009 to Present: American Eagle Aerospace, LLC
Education and training in various aerospace topics
President/CEO

2008 to Present: Ogden Air Logistics Center, Engineering Directorate
Hill Air Force Base, Utah
Chief, Systems Engineering Division (YF-03/GS-15)

2004 to 2008: USAF Test Pilot School.
Air Force Flight Test Center, Edwards AFB
Technical Director

2003 to 2004: 412th Test Wing Engineering Directorate
Test Technology & Training Division
Master Instructor/Technical Training Expert

2001 to 2003: USAF Test Pilot School.
Air Force Flight Test Center, Edwards AFB
Master Instructor

1999 to 2001: Computer Sciences Corporation
Air Force Flight Test Center, Edwards AFB
Senior Principle Engineer/Consultant to the USAF Test Pilot School

1998 to 1999: Lockheed Martin Skunk Works
Reconnaissance Programs
Darkstar Sensor/Payloads Manager

1994 to 1998: Lockheed Martin Fairchild Systems Division (Formerly Loral FSD)
Systems Engineering Department
Senior Principle Consulting Engineer

Professional Experience (continued)

1991 to 1994: Sverdrup Technologies
Test Engineering & Acquisition Support (TEAS) Group
Senior Principle Engineer, Technical Director for the ATARS Joint Test Force

1990-1991 Computer Science Corporation
Utah Test and Training Range, Hill AFB
Principle Engineer

1989-1990 6545th Test Group
Utah Test and Training Range, Hill AFB
Senior Flight Test Engineer, Mission Systems

1988-1989 USAF Test Pilot School
Air Force Flight Test Center, Edwards AFB
Deputy Chief, Systems Branch; Chief of Technical Reporting

1987-1988 USAF Test Pilot School
Air Force Flight Test Center, Edwards AFB
Graduate Student – Flight Test Engineering Course of Study

1984-1987 F-16 Combined Test Force, 6520th Test Group
Air Force Flight Test Center, Edwards AFB
Lead Flight Test Engineer for Electro-Optical and Infrared Systems

1983-1984 University of New Mexico
Graduate Student/Teaching Assistant in Electrical Engineering Dept.

1980-1983 University of New Mexico
Undergraduate Student and Tutor in Electrical Engineering Dept.

1976-1980 9th Strategic Reconnaissance Wing
9th Avionics Maintenance Squadron, Sensors Shop, Beale AFB
Avionics Sensor Systems Specialist

1966-1975 Master Automotive Mechanic and Race Car Mechanic
Founding Member of National Institute of Automotive Service Excellence (ASE)

Teaching Experience

2010 to Present: White Eagle Aerospace, LLC
Oro Valley, AZ
Adjunct Instructor/Speaker

Teaching Experience (continued)

2001 to 2007: Society of Flight Test Engineers (SFTE)
Symposium Short Course Instructor

2004 to Pres: Association of Old Crows
Short Course Lecturer

2004 to Pres: Technology Training Corporation (TTC)
Short Course Lecturer

2005 PMS Seminars
Short Course Instructor

1999 to 2007: USAF Test Pilot School
Master Instructor, Technical Director, Professor Emeritus

2002-2006: 412th Test Wing Engineering Directorate
Test Technology and Training Development Division
Master Instructor (2003), Adjunct Instructor (2002-2003, 2004-2006)

1984 to 1987: Chapman College, Edwards AFB Extension Campus
Electronics and Physics Departments
Adjunct Professor

1980 to 1984 University of New Mexico
Electrical Engineering Department, College of Engineering
Graduate Teaching Assistant, Department Tutor

1976 to 1979 9th Strategic Reconnaissance Wing, 9th Avionics Maintenance Squadron
Field Training Detachment
Instructor

Technical Courses Taught or Developed, Speaking Engagements, Interviews:

University: *Analog Electronics*
Analog Electronics Lab
Digital Electronics
Digital Electronics Lab
Driving Point Impedance Techniques for Circuit Analysis by Inspection
Physics (Calculus Based Electromagnetic Physics)
Special Topics in Electro-Optics

Professional Development: & USAF Test Pilot School

Physics for Sensor Systems
Airborne Electro-Optics & Infrared
Airborne Radar
Avionics Systems Integration
Fundamentals of Electronic Warfare
Directed Energy Countermeasure (DIRCM) Systems
Unmanned Air Vehicles – History, Mission, and Systems
Test and Evaluation of Unmanned Air Vehicles
Fundamentals of Airborne Data Links
Fundamentals of Test Planning
Fundamentals of Technical Reporting
Technical Leadership 101, 201, 301, and 401

Invited Lectures, Keynote Addresses, And Feature Interviews

Royal Aeronautical Engineering Society, Invited Lecture
Hamburg Technical University, Invited Lecture
Aerospace Testing Exposition (Europe and USA), Keynote Address
Aerospace Testing Magazine International – Feature Interview
AIAA Technical Conference Presentation Lectures
Eglin AFB ITEA Section, Invited Speaker
Church Youth Group – Invited Speech – “*The Fabulous Power of Light*”
Numerous Civic, Service and Church Group Speaking Opportunities

Selected Awards:

2010 SFTE Clarence “Kelly” Johnson Award
2008 Air Force Civilian Meritorious Service Award
2007 SFTE International Board of Directors Award
2007 SFTE – Inducted as the 32nd Fellow of SFTE
2007 Air Force Special Act or Service Award, 2007
2007 Senior Leader of the Year Award, 412th Test Wing, Air Force Flight Test Center
2005 Distinguished Engineering Achievement Project Award, So. California Engineers Council
2004 Distinguished Engineering Lifetime Achievement Award, Southern Cal. Engineers Council
2003 Richard G. Cross Award ITEA Award (as member of USAF Test Pilot School Technical Staff)
01-09 Civilian Performance Awards - 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009
81-84 University of New Mexico Department Scholar Award
1983 IEEE Open House Student Graduation Design Competition – First Place/Grand Prize Winner
76-89 Air Force Commendation Medal with two oak leaf clusters
1985 Air Force Achievement Medal
1976 Basic Military Training Honor Graduate Medal

Professional Organizations:

Society of Flight Test Engineers—Life Member (SFTE)
American Institute of Aeronautics and Astronautics (AIAA)
International Test and Evaluation Association (ITEA)
Flight Test Historical Foundation (FTHF)
Air Force Association (AFA)
Association of Old Crows (AOC)
Institute of Electrical and Electronic Engineers (IEEE)
International Council on Systems Engineering (INCOSE)
Association of Unmanned Vehicle Systems International (AUVSI)
National Defense Industrial Association (NDIA)

Honor Societies:

National Electrical Engineering Honor Society (Eta Kappa Nu), Inducted 1982
National Engineering Honor Society (Tau Beta Pi), Inducted 1982
National Mathematics Honor Society (Kappa Mu Epsilon), Inducted 1982

Certifications, Defense Acquisition Workforce Improvement Act (DAWIA) Acquisition Professional Development Program (APDP):

1. Level III DAWIA APDP in Test and Evaluation (T&E)
2. Level III DAWIA APDP in SPRDE—PSE*
3. Level III DAWIA APDP in SPRDE – SE*
4. Level I DAWIA APDP in Program Management (PM)

**Definitions: SPRDE—PSE: Systems Planning Systems Planning, Research, Development & Engineering-Program Systems Engineering*

SPRDE—SE: Systems Planning, Research, Development & Engineering-Systems Engineering

Technical Publications:

1. Over 25 Technical Publications – available on request