

Charles T. Vono

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USAF Colonel, Retired (2008)

Northrop Grumman Engineer / Manager, Retired (2014)

I have enjoyed a lifetime career operating and sustaining complex weapon systems. In retirement, I am seeking opportunities to speak (for free!) on subjects of interest. My two most popular talks are “Inflight Refueling the SR-71 During the Cold War” and “Fundamentals of Long-lived, Complex System Sustainment.” Testimonials are available on request or at my web site.

Recent customers: Master of ceremonies for Utah Engineers Council E-Week Banquet. Local chapters of Society of American Military Engineers, American Society of Plumbing Engineers, and the American Society of Heating, Refrigerating and Air-Conditioning Engineers luncheons. Hill Aerospace Museum Pilot Talk.

Degrees

B.S. Astronautical Engineering, USAF Academy, 1976

M.S. Systems Management, University of Southern California, 1985

M.S. Mechanical Engineering, Utah State University, 1995

Air War College, 1996

USAF and Civilian Careers

1976 – 1982, USAF KC-135 pilot, Strategic Air Command, world-wide support of SR-71

1982 – 1985, USAF Engineer, USAF Space Division, Inertial Upper Stage Software Systems Chief

1985 – 1999, TRW Systems Engineer and Supervisor, ICBMs

1987 – 1994, USAF Reserves, F-16 Structural Engineer support battle damage repair

1994 – 1999, USAF Reserves, Ogden Air Logistics Center Staff, quality, strategic planning, etc.

1999 – 2003, USAF full time Reserve position at US PACOM, Reserve Forces Division Chief

2003 – 2014, Northrop Grumman Engineer and Senior Manager, ICBMs

Papers / Presentations at AIAA Conferences

“Fundamentals of Weapon System Sustainment”, AIAA SciTech 2016

“Application of a Weapon System Sustainment Model to the Space Industry”, AIAA SPACE 2016

“First Steps in Implementing Weapon System Sustainment Model”, AIAA SciTech 2017

Accepted for SPACE 2017:

“The Rise of Long-lived Complex Systems”

“Fundamentals of Sustainment: Affordable Observation and Assessment”