

LT Barry Willhite, USNR

Aerospace Engineering Department, U.S. Naval Academy, Annapolis, MD 21402, USA
Voice: (410) 293-6405 E-mail: willhite@usna.edu

Education

Degree	Discipline	Institution	Year
M.S.	Aeronautics and Astronautics	MIT	2004
B.S.	Mechanical Engineering	USNA	2002

Academic Experience

Institution	Rank	Title	Dates	Full or Part Time
U.S. Naval Academy	LT/O-3	Military Instructor	07/11 - present	Full
Central Texas College	LTJG/O-2	Navy College Program for Afloat College Education (NCPACE) Instructor	2005-2006	Part

Non-Academic Experience

- Navy Strategic Systems Programs (SSP), Guidance Inertial Sensors Engineer (GS-14) Lifecycle Systems Management (design, development, production operations) of inertial sensors (gyroscopes and accelerometers) for Navy Trident II missile guidance systems. SSP's technical expert in the area of sensor design and development. Program manager for advanced sensor programs. 2009-2011, full time.
- Navy Strategic Systems Programs (Active Duty) 2006-2009, Deputy Section Head for Missile and Guidance Engineering, overseeing 25 civil service engineers ranging from GS-12 to GS-15. Provided technical and programmatic direction for missile and guidance programs, managing a budget of \$60M/year. Chaired contractor technical reviews, including design and production readiness reviews. 2006-2009, full time.
- USS ARLEIGH BURKE (DDG 51), Strike Officer. Responsible for the tactical employment and maintenance of the Tactical Tomahawk Weapon Control System. Led a division of Tomahawk technicians to ensure readiness of the ship's strike mission. 2004-2006, full time.

Certifications and Professional Registrations

- DAWIA Level III certification in Systems Engineering and Program Management.
- Lean Six Sigma Green Belt Certification

Current Membership in Professional Organizations

- N/A

Honors and Awards

- Navy and Marine Corps Commendation Medal (2 awards)
- Navy and Marine Corps Achievement Medal (2 awards)
- VADM Bryan Award for academic excellence, Engineering Duty Officer School

Service Activities

- USNA
 - Officer representative for Navigators Midshipman Club
- External
 - Foster parents for infants through Bethany Christian Services
 - Various activities through our church, Bay Area Community Church

Selected Publications and Presentations (Last Five Years)

- N/A

Recent Professional Development Activities

- Working toward PhD in Aerospace Engineering at University of Maryland
 - Completed ENAE 602 - Spacecraft Attitude Dynamics & Control - Spring 2011
 - Completed ENAE 641 - Linear System Dynamics - Fall 2011
 - Completed ENAE 743 – Applied Nonlinear Control of Aerospace Vehicles - Spring 2012