

Commander J. Allen Blocker

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Education

Degree	Discipline	Institution	Year
M.S.	Astronautical Engineering (Space-Systems Engineering)	Naval Postgraduate School	2008
B.S.	Aeronautical Science	Southeastern Oklahoma State University	1991
B.S.	Music Performance	Southeastern Oklahoma State University	1991

Academic Experience

Institution	Rank	Title	Dates	Full or Part Time
U.S. Naval Academy	Military Instructor	Associate Department Chair	2011 - present	Full

Non-Academic Experience

- 2008-2010 Deputy Chief Engineer, Director of Enterprise System Engineering, National Reconnaissance Office, Chantilly, VA.
- 2003-2006 Engineering Test Pilot and Operations Officer, NAS China Lake, CA
- 2001-2003 Project Officer and Engineering Test Pilot, NAS Pax River, MD
- 1997-2001 US Navy fleet F-14 pilot and instructor pilot, NAS Oceana, VA

Certifications and Professional Registrations

- Engineering Test Pilot, US Naval Test Pilot School
- Defense Acquisition Qualifications (T&E - 3, SPRDE - 2, Program Mgmt- 2)
- DoD Space Cadre Professional
- FAA Certificated Commercial Pilot, Certified Flight Instructor, Advanced Ground School Instructor

Current Membership in Professional Organizations

- Member, Society of Experimental Test Pilots

Honors and Awards

- National Reconnaissance Office Director's Circle Award (2010)
- Director of National Intelligence Achievement Award (2010). Team award for LEO SIGINT Program
- Best Engineering Thesis (Naval Postgraduate School, 2008)
- Jack Northrop Award for Best Paper, T-45 Stability-Augmented Steering System (Society of Experimental Test Pilots, 2005).

Service Activities

- USNA
 - Midshipman Liaison Officer (2011-Present)
 - Aerospace Associate Department Chair (2011-Present)
 - Astronautics Track Director (2012-Present)
 - Chairman Aerospace Curriculum Committee (2012-Present)
 - Chairman Aerospace Faculty Hiring Committee (2011-Present)

Selected Publications and Presentations

J.A. Blocker, C. Stack, “T-45 Stability Augmented Steering System”, conference paper at SETP 35th San Diego Symposium Proceedings, April 2005.

J.A. Blocker, C.C. Litton, M. Romano, “Tinyscope – The Feasibility of a 3-axis Stabilized Earth Imaging Cubesat from LEO”, conference paper at AIAA Small Satellite Conference, August 2006.

P. Oppenheimer, M. Romano, J.A. Blocker, J. Hall, “Novel Three-axis Attitude Control System for CubeSats with High Agility and pointing Accuracy Requirements”, American Astronautical Society Publication, February 2009, AAS 09-08-08

Recent Professional Development Activities

Acquisition Center of Excellence, Systems Engineering Executive Course, 3-day workshop for National Reconnaissance Office Executive Engineering Staff, taught by California Institute of Technology (2010).

Conceive-Design-Implement-Operate Spring 2012 Workshop, workshop on methods and curricula for contextual-based engineering education in the university setting.