

Major James C. Walliser

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SUMMARY

United States Air Force officer and a member of the Behavioral Scientist career field. Experienced human factors and developmental flight test engineer, certified test and evaluation professional by the U.S. Air Force. Three years of experience in teaching Behavioral Science and Systems Engineering students at the college level. Passionate about pursuing an education in Human Factors and developing a compelling line of research.

EDUCATION

- ◆ Naval Postgraduate School (2011)
Masters of Science in Human Systems Integration – Graduated with Distinction
Certificate in Systems Engineering
- ◆ United States Air Force Academy (2005)
Bachelors of Science in Behavioral Sciences – Human Factors
Minor – Spanish
- ◆ PME
Squadron Officer School (2012) – Resident
Air and Space Basic Course (2005) – Resident

MILITARY SERVICE HISTORY

2011 – 2014 **Assistant Professor** **Dept of Behavioral Sciences and Leadership, USAFA, CO**

Directed Intro Stats and Research Methods for behavioral sciences majors, 82 total students. Instructed a variety of behavioral science courses including Advanced Stats and Research Methods, Intro to Human Factors, and Foundations of Leadership Development. Served as Advisor in Charge for the multidisciplinary Systems Engineering program, the largest engineering major at USAFA with 180 students. Oversaw eight student research projects in two semesters.

2005 – 2009 **Lead F-22A Human Factors Engineer** **Edwards Air Force Base, CA**

Led all human factors testing on the F-22 Raptor developmental test program. Oversaw three HF engineers in the design, execution, and reporting of HF flight test programs. Lead engineer for five test programs covering life support systems, cockpit controls, weapons loading procedures, extreme weather, aircraft noise, and cockpit displays. Identified life threatening deficiencies in proposed life support equipment which negated the risk of fatalities and saved over \$3M.

AWARDS & RECOGNITION

- ◆ Best Student Paper – HFES: CEDM Technical Group – 2016
- ◆ Meritorious Service Medal – 2014
- ◆ Company Grade Officer of the Quarter (#1/126) – 2012
- ◆ Distinguished Graduate - Naval Postgraduate School – 2011
- ◆ Air Force Commendation Medal – 2009
- ◆ Spanish Air Force Award – 2005

CERTIFICATIONS

- ◆ Systems Engineering – Naval Postgraduate School
- ◆ Test and Evaluation – Level III
- ◆ Systems Planning, Research, Development, and Engineering – Level II
- ◆ Program Management – Level I

August 26, 2016

PUBLICATIONS

- Walliser, J.C., de Visser, E. J., & Shaw, T.H. (2016, September) Application of a system-wide trust strategy when supervising multiple autonomous agents. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 60, 1) SAGE Publications.
- Walliser, J., Tulk, S., Hertz, N., Issler, E., & Wiese, E. (2015, October). Effects of Perspective Taking on Implicit Attitudes and Performance in Economic Games. In *International Conference on Social Robotics* (pp. 684-693). Springer International Publishing.
- Samuels, S. M., Lindsay, D. Watola, D., Walliser, J., & Reimer, R. (2013). The impact of using a survey framework in leadership education: Is more better? *Journal of Leadership Education*, 12(1), 9-17.
- Walliser, J.C. (2011). *Trust in automated systems: The effect of automation level on trust calibration* (ADA547808). Monterey, CA: Naval Postgraduate School.
- O'Connor P., Walliser J., & Philips E. (2010). Evaluation of a human factors analysis and classification system used by trained raters. *Aviation, Space, and Environmental Medicine*, 81, 957-960.
- Walliser, J.C., & Anderson, M.J. (2008). *F-22A small diameter bomb maintainer-vehicle interface test and evaluation* (AFFTC-TR-07-54). Edwards Air Force Base: Air Force Flight Test Center.
- Walliser, J.C., & Daetz, D.D. (2008). *F-22A light emitting diode navigation light demonstration* (AFFTC-TR-08-33). Edwards Air Force Base: Air Force Flight Test Center.
- Walliser, J.C., & Starr, M.S. (2008). *F-22A revised life support equipment cockpit compatibility demonstration* (AFFTC-TR-08-25). Edwards Air Force Base: Air Force Flight Test Center.

PROFESSIONAL PRESENTATIONS

- Walliser, J.C., de Visser, E. J., & Shaw, T.H. (2016, September) *Application of a system-wide trust strategy when supervising multiple autonomous agents*. Paper presented at the 60th annual meeting of the Human Factors and Ergonomics Society, Washington D.C.
- Walliser, J.C., Mead, P., & Shaw, T.H. (2016, May) *Can autonomous systems be teammates?* Paper presented at the 70th meeting of the Department of Defense Human Factors Engineering Technical Advisory Group, Hampton, VA.
- Abrecht, B. & Walliser, J. (2013, April). *The application of anthropometric principles for safety evaluation of the united states air force dining facility*. Paper presented at the meeting of Colorado Springs Undergraduate Research Forum, Colorado Springs, CO.
- Cole, D. & Walliser, J. (2007, October). *Human Factors of Complex Systems*. Workshop presented at the Human Factors and Ergonomics Society symposium, Baltimore MD.
- Cole, D. & Walliser, J. (2007, July). *Human Factors Engineering Test and Evaluation*. Workshop presented at the Society of Flight Test Engineers symposium, St. Louis, MO.
- Cole, D. & Walliser, J. (2006, September). *Human Factors Engineering Test and Evaluation*. Workshop presented at the Society of Flight Test Engineers symposium, Reno, NV.