

## ALI 2010 Biography for Martin L. Mattingly

Martin Mattingly is a physical scientist and current manager of the Aircraft Lighting and Transparency Laboratory at the Naval Air Warfare Center Aircraft Division (NAWCAD), AIR 4.6 Human Systems Department, Operator Vehicle Electro-optics and Habitability Branch at Patuxent River, MD.

Martin Mattingly enlisted in the US Army on September 10, 1980 and was stationed at Fort Hood, Texas with the 303<sup>rd</sup> Military Intelligence Battalion and 1<sup>st</sup> Cavalry Division. He graduated from Central Texas College in 1984.

Marty began work at Patuxent River Naval Air Station in October 1984 supporting the Systems Engineering and Test Directorate (SETD) as a contractor. His employment with Systems Research Laboratories (SRL), Dyncorp, and ARINC, also included a short period of self employment as a consultant with BDM. At SRL, Marty assembled electronic circuit boards and built engineering prototypes used in human factor studies. While at Dyncorp he was assigned to the cruise missile program office and installed instrumentation on various chase aircraft and a target ship. He entered civilian service with the Department of the Navy in April 1996.

Marty started working in the Aircraft Lighting and Transparency Laboratory in 1989 for Ron Simpson of SETD, who introduced him to the Aerospace and Lighting Institute which he attended in 1994 and 2006. He has attended ALI on numerous occasions with some participation in presenting at the ALI Advanced Course on areas of specification, requirements, and testing of interior and exterior aircraft lighting for daylight, night and night vision goggle compatibility.

Marty has participated in the lighting specification, laboratory and/or field testing on nearly all types of aircraft in the USN/USMC inventory. In addition to supporting lighting and display tests on numerous rotary-wing and fixed wing aircraft platforms for the US Navy and US Marine Corps, he has had past experience working with the US Air Force, US Army and US Coast Guard on some of their aircraft. Other programs have had him involved in crew ensemble color and fluorescence characterizations, windscreen transparency testing, occasional shipboard lighting evaluations and one blimp flight to demonstrate NVG capability.

Marty is a member of the Patuxent River John Glenn Squadron of the Marine Corp Aviation Association (MCAA). He also participates at the annual Mechanicsville Elementary School Career Day and volunteered for their mentoring program in 2007-2008.

Marty married Patty in June of 1987 and have two children, Gina and Brandon. Gina and Brandon were adopted from St. Petersburg, Russia in 1993 and 1995, respectively. Marty and his family live in Leonardtown, MD and have an alpaca farm. Marty enjoys going to NASCAR races, travelling, and working around the farm.