



GETTING TO KNOW ...

Jay Amos

Background

Work experience:

I began my career in 1980 as a machinist with the University of Missouri Advanced Machine Shop & Kassner Woodcraft. I was involved in electro-mechanical retrofit and programming of CNC machining centers and machining of complex design components. After completing my BS in Mechanical Engineering in 1985, I joined General Motors – EDS in Lansing, MI as a systems project engineer. There I was responsible for upgrading systems & controls for automation projects for a metal stamping plant. I started my MS study in Fall 1986, involved in passive & active damping vibration controls for lightweight space structures. After completing my MS, I joined Pratt & Whitney in West Palm Beach, FL in late 1987 working as an NDE Engineer. I held increasing levels of project responsibility in most NDE technologies particularly, signal/image processing, pattern recognition & neural net application development for EC, UT, X-ray & AE processes. I also directed tasks in thermography analysis development for MMCs & CMCs, high strength Mg alloy casting properties / x-ray characterization and simulation software for EC, UT & X-ray.

I joined Cessna Aircraft in early 1999, as an Engineer Specialist involved in advanced ET & UT applications, thermography, NDE

modeling applications and performance specifications for large UT contour-following systems and project management.

I am currently leading the AMP NDE team involved developing solutions for complex NDI applications and serve as the M&P interface to AD, coordinating our objectives in complement to NIS & ADMRC projects. I am a Textron Certified Six Sigma Green Belt, hold four patents, and ten published papers/conference proceedings.

Education:

I have a BS degree in Mechanical Engineering from University of Missouri, Rolla (now Missouri S&T), and a MS degree in Mechanical Engineering from Georgia Institute of Technology, Atlanta, GA.

Things about Me:

I'm married and have two sons, Parker (14) and Cameron (11). My wife is from North Carolina, with a MS degree in Marine Biology, which I have taken far away from any ocean. She currently works at the Great Plains Nature Center as the Volunteer Coordinator. She also does a noble job of keeping our home in order and is a fine cook.

As hobbies, I enjoy construction, fine woodworking, skiing, tennis and windsurfing (sadly not recently). Our family enjoys canoeing, biking, hiking and time at the beach.