

WILLIAM M. CAVAGE: Project Manager, Fuel Tank Safety
FAA/DOT AAR-440, Fire Safety R&D

EDUCATION: Master of Science in Aerospace Engineering (1992)
Bachelor of Science in Aerospace Engineering (1990)
West Virginia University - Morgantown, WV 26506

CAREER SUMMARY:

Mr. Cavage is an engineer and researcher with 20 years experience in the fields of fluid dynamics, instrumentation, systems analysis, and fuel tank safety. Mr. Cavage studied experimental turbulent fluid dynamics in college where he did research in the fields of Laser Doppler Anemometry of turbulent jets and ground vortex formation. He has done extensive work in data reduction and analysis and has integrated data acquisition systems (DAS) for lab, ground vehicle, remote station, and flight testing applications. Mr. Cavage performed system safety analysis on the V-22 program for two years where he was responsible for electrical and wiring sub-system safety as well as multi-mode radar and terrain following (TF) flight mode safety analysis. He is presently project manager for the research efforts into fuel tank inerting in the Fire Safety Program at the Wm. J Hughes Technical Center in Atlantic City, NJ.

Mr. Cavage is a Associate Fellow and journalized author in the AIAA and is a member of the aerospace engineering honorary Sigma Gamma Tau. He has over 25 peer reviewed publications and has spoken at many conferences including the SAE Advances in Aviation Safety, AIAA Fluid Dynamics Conference, and the International Fire and Cabin Safety Research Conference. The inerting research he leads was nominated for a 2002 Laurels Award in Aviation Week and Space Technology.