

Biography

1986 Graduate Drexel University, B.S. Mechanical Engineering

1993 Graduate Embry Riddle Aeronautical University, M.S. Aviation Management

Started work at the FAA Technical Center in 1983 as a co-op student; began full-time employment following graduation in 1986.

Tim has been with the FAA since 1983 when he started as a student “co-op”. After being hired full time in 1986, he developed an improved test method for cargo liner components, conducted numerous tests on water spray systems for both the cabin area and the cargo compartments. Designed a test device for simulating an aerosol can explosion used to evaluate non-halon fire suppression agents in cargo compartments. Conducted a full-scale test evaluation of oxygen enhanced cargo fires and developed a combined test apparatus for evaluating the flame resistance of oxygen cylinder overpacks. Designed and constructed a full-scale test rig for evaluating burnthrough resistance improvements, and developed a laboratory-scale burnthrough test for thermal acoustic insulation.

Publications:

More than 30 technical publications. More than 20 technical presentations at international conferences.

Appointments:

Task Group Chairperson, Renovation/Repair of Altered Interior Materials Task Group

Task Group Chairperson, Fuselage Burnthrough, Burnthrough Resistance of Thermal Acoustic Insulation

Task Group Chairperson, Fire Detection/Suppression in Hidden Areas

Task Group Chairperson, Flammability of Magnesium Components Used in the Cabin Area

Awards:

FAA Technical Publications Award, 1993

Associate Administrator’s Award, Aircraft Fire Research & Safety, 1998