

Tim Marker

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 works in the FAA's Aviation Research Division, where he is the manager of the Materials Fire Test Section. He has been with the FAA since 1983 when he started as a student "co-op". After being hired full time in 1986, Tim has worked on numerous projects within the Fire Safety Branch. Among them: he developed an improved test for cargo liner design features, conducted full-scale water mist testing, developed an exploding aerosol can simulator, conducted full-scale tests on oxygen enhanced fires, developed a new flammability standard for oxygen cylinder overpacks, and conducted full-scale tests on burnthrough-resistant insulation, which led to the development of a new a laboratory-scale test method. More recently Tim has conducted full-scale tests on magnesium alloys, and developed a laboratory scale flammability test for magnesium components used in aircraft seat structure.***

***Tim presently serves as Chairman of the International Aircraft Materials Fire Test Working Group.***

Publications:

More than 30 technical publications, many submitted in professional journals (NFPA, SAMPE, NIST, etc)

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

Chairman, International Aircraft Materials Fire Test Working Group

Awards:

FAA Technical Publications Award, 1993

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

Technical Program Award Nominee, 3/1995

Technical Program Award Nominee, 7/2000

ARA Award Recipient, 8/2000 Team Accomplishment

Superior Achievement Award, 7/2000

Article in Atlantic City Press on Research of Aircraft Seats, 5/11/2005

Special Achievement Award, in support of Implementation of Insulation Rule, 8/2007