

# **Air Safety Fundamentals – Lessons Learned From The Deadliest Disasters In Aeronautics**

John B. Alcorn

*The University of Alabama in Huntsville, Huntsville, AL, 35805-2586*

## **Abstract**

**Air safety regulation as we know it today has been shaped by aircraft disasters that have happened in the past. Any given aviation disaster can be attributed to human failure, technical failure, extreme weather, or sabotage. Human error is by far the leading contributor to fatalities involving aircraft. Any accident can potentially be avoided, and prevention is gained by learning from past failures. The goal of this paper will be to outline the causes of the most major aircraft accidents, how they could have been prevented, how they have affected modern air safety, and what measures should be taken to prevent future accidents.**