

# Shem Malmquist

Captain Shem Malmquist is a visiting instructor at the Florida Institute of Technology and an active current B-777 Captain operating predominantly international routes. In addition to being an international pilot for the bulk of the last 33 years, he has taught aerobatics and instructed in a variety of both general aviation and transport aircraft. Captain Malmquist has published numerous technical and academic articles stemming from his work on flight safety and accident investigation. His most recent work has involved approaches to risk analysis and accident prevention utilizing MIT's System Theoretic Accident Models and Processes (STAMP) and facilitating the integration of these methods on behalf of several organizations./

His past work includes Automation and Human Factors lead for the Commercial Aviation Safety Team's Joint Safety Implementation Team, Loss of Control working group, as well as the Aircraft State Awareness working group and the Joint Implementation Measurement and Data Analysis Team. He also has either led or been deeply involved in several major aircraft accident investigations, performing operations, human factors, systems and aircraft performance analysis.

Captain Malmquist's education includes a Masters (MSc) degree in Human Factors in Aeronautics through the Florida Institute of Technology, a Bachelors of Science (BSc) from Embry-Riddle University, and an Associate of Science (ASc) through Mt. San Antonio College.

He is an elected Fellow of the Royal Aeronautical Society, a full member of ISASI, the Flight Safety Foundation and SAE where he also serves as a voting member of the Flight Deck and Handling Quality Standards for Transport Aircraft committee.