

ROBERT I. BARON, Ph.D

Full Bio

376 Esher Ct.
Myrtle Beach, S.C. USA 29579

Cell: 1-954-383-7428
Email: tacgworldwide@outlook.com

EXPERIENCE:

Jul 00 - Present

The Aviation Consulting Group, Myrtle Beach, SC.

President: International Aviation Safety Consultant: Globally recognized and respected aviation safety expert specializing in training and consulting for aviation organizations on a worldwide basis. Specializations include Human Factors, Crew Resource Management (CRM), Safety Management Systems (SMS), Line Operations Safety Audits (LOSA), and General Safety Audits. Clients include domestic and international airlines, business and corporate aviation operators, aircraft charter operators, maintenance/repair/overhaul facilities, flight schools, airports, manufacturers, civil aviation authorities, and accident investigation bureaus. Also provide Expert Witness services for plaintiff or defendant in aviation safety-related litigation.

Apr 09 - Dec 12

Embry-Riddle Aeronautical University, Worldwide Campus.

Adjunct Professor: Online and onsite instructor for Masters Degree seeking students. Taught Graduate Capstone, Methods and Procedures for the Graduate Capstone Project, and Research Methods for Aviation/Aerospace courses.

Feb 04 - June 11

Everglades University, Boca Raton, FL.

Adjunct Professor: Online instructor/course developer for Bachelors and Masters Degree seeking students. Taught Aviation Safety, Human Factors, and Research Methods courses. Also served on thesis committees.

Nov 97 - Jan 05

Learjet Crews International, Inc., Fort Lauderdale, FL.

President: PIC/Check Airman in LR24/25/35/55/31A: Learjet flight crew services company. Also provided contract Learjet flight and ground training to various flight departments worldwide. Operated throughout the U.S., Canada, Caribbean, Central and South America, and Europe.

Nov 02 - Mar 04

FlightSafety International, West Palm Beach, FL.

Learjet 55/35 Instructor: Responsible for teaching Initial and Recurrent simulator and ground training under part 142.

Feb 99 - June 02

Pan Am Intl. Flight Academy, Miami, FL./SimCom, Orlando, FL.

Learjet 35 Instructor: Responsible for teaching Initial and Recurrent simulator and ground training under Part 142. Also taught Lear 20/55/31 differences.

Dec 96 - Apr 97

Hutt Aviation, Inc., Minden, NV.

Second-in-Command: CE560 Citation V Ultra: Part 135. Operated throughout the U.S., Canada, and the Caribbean. EFIS/FMS experience.

Nov 92 - Dec 96

Freelance Flight Instructor, Ft. Lauderdale, FL.

Flight Instructor: Various SE/ME aircraft. Conducted all phases of flight instruction under Part 61. Operated throughout Florida.

Apr 89 - Nov 92

Baronaire, Inc., Brookhaven Airport, NY.

President: Owner/Operator of a Part 135 air charter service and Part 61 flight school

EDUCATION:

Feb 04 - July 08

Ph.D DEGREE

Capella University, MN: **Doctor of Philosophy; Industrial/Organizational Psychology.** Dissertation Topic: Measuring Safety Climate at an Aircraft Maintenance Facility: Can Training Change Attitudes?

Jul 01- Dec 03

M.S. DEGREE

Embry-Riddle Aeronautical University, FL: **Master of Aeronautical Science. Dual Specializations- Aviation/Aerospace Safety Systems and Human Factors.**

Mar 96 - Sept 00

B.S. DEGREE

Embry-Riddle Aeronautical University, FL: **Major- Prof. Aeronautics. Minor- Aviation Safety**

POSTERS/PRESENTATIONS (partial):

- ❑ **Procedural Noncompliance: Why Pilots Don't Always Play by the Book.** Presented at The 2018 Air Charter Safety Symposium on March 13, 2018, Ashburn, VA.
- ❑ **Dana Airlines Flight 0992 Case Study.**
- ❑ **Managing Aviation Safety in the Growing Caribbean Region.** Presented at The 2nd Annual Caribbean Aviation Meetup on June 15, 2017, St. Maarten, Caribbean.
- ❑ **Just Culture and Human Factors in Ground Handling.** Presented at The 1st Americas Ground Handling International Conference on September 24, 2015, Miami, FL.
- ❑ **Making it a Just Culture.** Presented at The 1st Americas Ground Handling International Conference on September 24, 2015, Miami, FL.
- ❑ **To Land or not to Land? A Cognitive Roadmap to Approach and Landing Accidents.**
- ❑ **Introducing the Human Factors Funnel Model (HFFM).** Presented at the FAASTeam Regional Safety Seminar on January 26, 2011, Myrtle Beach, SC.
- ❑ **Contributing Factors in Current-Day Aircraft Accidents and Incidents.** Presented at the Nigeria AIB Annual Safety Conference on October 18-20, 2010, Lagos, Nigeria.
- ❑ **Managing the "Final Four" With Effective Crew Resource Management.** Presented at the Nigeria AIB Annual Safety Conference on October 18-20, 2010, Lagos, Nigeria.
- ❑ **Making Human Factors Training More Than Just Lip Service.** Presented at the Nigeria AIB Annual Safety Conference on October 18-20, 2010, Lagos, Nigeria.
- ❑ **Error Prevention Strategies for the Aircraft Maintenance Technician.** Presented at the Minnesota Aviation Maintenance Technician's Conference on March 17, 2009, Minneapolis, MN.
- ❑ **SOS for your SMS: A Brief Look at Airport Safety Management Systems.** Presented at the South Carolina Aviation Association's Annual Aviation Conference on February 12, 2009, Myrtle Beach, SC.
- ❑ **Understanding Human Factors in High-Risk Industries.** Presented at Wood Group Power Operation's Annual Health and Safety Conference on September 26, 2007, Alpharetta, GA.
- ❑ **Current Trends in Aviation Human Factors.** Presented at NASA's Dryden Flight Research Center on January 23, 2007, Edwards Air Force Base, CA.
- ❑ **A Review of the Literature Pertaining to Decision Making in Aviation.** Presented at the State Bar of Georgia (Aviation Law Section) Meeting on January 06, 2006, Atlanta, GA.
- ❑ **Why are Routine Flight Operations Killing Pilots and Their Passengers?** Presented at the Human Performance, Situation Awareness, and Automation Conference (HPSAA) on March 24, 2004, Daytona Beach, FL.

ARTICLES/RESEARCH (partial):

- ❑ **Applying Leadership Models in Aviation.**
- ❑ **Procedural Drift: Causes and Consequences.** Appeared in the March 2018 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **The Safety Space and Practical Drift.** Appeared in the May 2016 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **A Cure for Data Delirium.** Appeared in the October 2013 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **Complacency in the Work Environment and How it Affects SMS.**
- ❑ **Pathogens, Violations, and Unsafe Events.** Appeared in the September 2012 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **Perceptions of Safety.**
- ❑ **Are we Really Preventing the Same Accident From Happening Again?** Appeared in the May 2012 issue of AeroSafety World, a publication of the Flight Safety Foundation.

- ❑ **The Toxic Captain: Remediate or Terminate?** Appeared in the March 2012 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **Airplane Crashes and Media Spin: This Just Needs to Stop.**
- ❑ **Cabin Safety: Is Complacency and Carelessness the new Norm?**
- ❑ **The End of an Error.** Appeared in the November 2011 issue of Flying Magazine.
- ❑ **Some Truths About SMS (Don't Shoot me, I'm Just the Messenger).** Appeared as an exclusive online article (06/13/2011) on Aviation Maintenance Technology's website.
- ❑ **Shaping Professionalism and Integrity in Aircraft Maintenance.** Appeared in the February 2011 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **The Human Factors Funnel Model (HFFM): Another Window on Error Causation.**
- ❑ **Quantifying CRM Behavioral Markers in the Practical Cockpit Environment.**
- ❑ **Writing Tips for Theses and Dissertations.** Academic distribution.
- ❑ **Rethinking Human Error Statistics in Aircraft Accidents.** Appeared in the April 2010 issue of Director of Maintenance Magazine.
- ❑ **Beyond the Initial Human Factors Course: A Little Science...A Little Anecdote.** Appeared in the April 2010 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **Northwest Flight 188: When Pilots Become Passengers.**
- ❑ **Landing in Extreme Weather: When Getting it on the Ground can Prove Fatal.**
- ❑ **Failure to Follow Procedures: Deviations are a Significant Factor in Maintenance Errors.** Appeared in the July/August 2009 issue of Director of Maintenance Magazine.
- ❑ **Using an Eight-Factor Model to Measure Error Attitudes at a Regional Airline.** Appeared in the October 2009 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **An Exploration of Deviations in Aircraft Maintenance Procedures.** Appeared in the Winter 2009 issue of the International Journal of Applied Aviation Studies (IJAAS), a publication of the FAA Academy.
- ❑ **Development of the Safety Culture Assessment Tool (SCAT).**
- ❑ **Fatigue Risk Management in Aircraft Maintenance: An Update on a Complex Issue.** Appeared in the May 2009 issue of Aviation Maintenance Magazine.
- ❑ **The Human Factors Ladder Still Needs to Extend Higher.** Appeared in the March 2009 issue of Aviation Maintenance Magazine.
- ❑ **Is the Climate Right for a Major Air Disaster?**
- ❑ **Measuring Safety Climate at an Aircraft Maintenance Facility: Can Training Change Attitudes?** Doctoral dissertation.
- ❑ **Transformational Leadership in Aviation Operations.**
- ❑ **SOS for your SMS: A Brief Look at Airport Safety Management Systems.**
- ❑ **The Challenges of an Error Reporting System.** Appeared in the March-April 2008 issue of Aviation Maintenance Technology Magazine.
- ❑ **Aircraft Accident Investigations: Have we Lost Touch With the Behavioral Approach?** Appeared in the April-June 2007 issue of ISASI Forum, the journal of the International Society of Air Safety Investigators.
- ❑ **What Ever Happened to Cockpit Discipline? A Dissection of Corporate Airlines Flight 5966.** Appeared in the December 2007 issue of AeroSafety World, a publication of the Flight Safety Foundation.
- ❑ **Human Factors in Aviation Maintenance: A Look at the Fundamental Concepts.**
- ❑ **Understanding the Role of Safety Culture in the Aviation Environment.**
- ❑ **Drinking and Flying: The Effects of Blood Alcohol Levels on a Pilot's Cognitive and Motor Functioning Skills.** Masters thesis.
- ❑ **Conflict in the Cockpit: Can't we all Just get Along?**
- ❑ **Pilots and Memory: A Study of a Fallible Human System.**
- ❑ **Safety Culture and Profit: Aviation's Continuing Organizational Dilemma.**

- Monovision Contact Lens use and the Crash of Delta Airlines Flight 554 at LaGuardia Airport, October 1996.**
- What the Media Should Know About Aircraft Accidents.**
- Why On-Demand Jet Charter Needs CRM...Now!**
- CRM From the Instructor/Facilitator Viewpoint: Observations we can all Learn From.**
- The Cockpit, the Cabin, and Social Psychology.**
- Barriers to Effective Communication: Implications for the Cockpit.**
- Runway Incursions: Where are we?**
- Aviation Training: Methods and Anecdotes to Help Understand how we Learn.**
- Human Performance Limitations in Medicine: A Cognitive Focus.**
- Psychology of the Cockpit: The Pros and Cons of the MMPI in Pre-Employment Screening.**

EDITORIAL BOARDS:

- Journal of Airport Management
- Journal of Aviation/Aerospace Education and Research
- FAA International Journal of Applied Aviation Studies (no longer in publication)

CONSULTANT/CORRESPONDENT TO:

- Mayday! Air Crash Investigations (TV series)
- Court TV
- Fox News
- New York Times
- New York Newsday
- Associated Press
- Bloomberg News
- Time Magazine
- Dallas Morning News
- Business and Commercial Aviation
- Overhaul and Maintenance Magazine
- Aviation Maintenance Magazine
- Air Safety Week
- South Florida Sun Sentinel
- Baltimore Sun
- Winnipeg Free Press National Post
- Real Simple Magazine
- Aviation International News
- Tokyo Broadcasting System
- British Broadcasting Corporation
- WPDE News Channel 15 (ABC)
- WMBF News 10 (NBC)

PROFESSIONAL AFFILIATIONS:

- Flight Safety Foundation