

Andre Roos, MSc

Aviation Risk. Accident Investigation. Insurance Expertise.

EXECUTIVE BIOGRAPHY (150 WORDS)

Andre Roos is an aviation risk specialist, aviation accident investigator, aviation insurance underwriter and expert witness based in South Africa. He holds an MSc in Safety and Accident Investigation (Air Transport) from Cranfield University, where his thesis analysed 983 general aviation accident reports from the United Kingdom and South Africa.

His career spans approximately thirty years in aviation and more than fifteen in insurance and financial services. Since 2018 he has served as an Aviation Risk Specialist associated with South Africa's largest life insurer, where he formulated the aviation underwriting philosophy and guidelines applied to pilot life, disability and loss-of-licence cover.

He is the founder of SkyGuard, an aviation insurance and risk-intelligence venture that combines underwriting, flight data monitoring and the advanced aviation risk assessment models he developed. He has provided independent expert reports in High Court litigation concerning aviation insurance, and writes regularly on human factors for World Airnews. He is a licensed private pilot.

PRESENTATION TOPICS

- Understanding Aviation Risk Beyond Regulatory Compliance
- Human Factors in Aviation Accidents: startle, fight–flight–freeze and spatial disorientation
- The Future of Aviation Insurance Underwriting
- Flight Data Monitoring and Risk Intelligence
- Aviation Accident Investigation and Insurance Claims
- Advanced Aviation Risk Assessment: the dynamic interaction between risks
- The Role of Artificial Intelligence in Aviation Safety
- Why Operational Data Must Lead to Action

RECENT WRITING

CREDENTIALS

- MSc Safety and Accident Investigation (Air Transport), Cranfield University, 2021
- Aviation Risk Specialist associated with South Africa's largest life insurer (2018–present)
- Founder & Chief Executive, SkyGuard
- Member, International Society of Air Safety Investigators*
- Private pilot since 1997
- NQF 5 Financial Planning; RE1, RE5; FSCA key individual*

*Subject to confirmation of current status.

FORMATS

Keynote · panel · workshop · webinar
· podcast · written commentary

AUDIENCES

Insurers and reinsurers · aviation operators · legal practitioners · safety professionals · industry associations

CONTACT

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LANGUAGES

English, Afrikaans

- "The Fight, Flight, or Freeze Response in Aviation Emergencies" — World Airnews, September 2025
- "The 'Impossible Turn'" — World Airnews, October 2025
- "Spatial Disorientation and the Freeze Factor" — World Airnews, November 2025
- "'Dead Leg, Wrong Engine'" — World Airnews, December 2025
- Interview: "When more data doesn't automatically mean better decisions" — World Airnews, February 2026