

The Southern New Jersey Professional Societies



Presents:

"Pilot Evaluation of Proposed Go-around Criteria for Transport Category Aircraft"

Dr. Angela Campbell, Aerospace Engineer, FAA NextGen Aviation Research, System Safety Section



Wave-off, wave-off!!! Although commercial aviation has an outstanding safety record, the rate of accidents on approach and landing continues to be substantially higher than other phases of flight. One contributing factor is unstable approaches continuing to landing. Consequently, a Flight Safety Foundation study concluded after studying 16 years of runway excursion accidents that 85% of those accidents could have been avoided by conducting a go-around. Nonetheless, compliance with stabilized approach criteria continues to be poor. In fact, approximately 3% of approaches are unstable and only about 3% result in a go-around. To address this issue, a four year research project

was conducted to identify the key factors that drive noncompliance with stabilized approach criteria and to develop revised go-around criteria with the intent of increasing compliance and improving safety. Dr. Campbell's presentation will cover an overview of the existing go-around decision making criteria, her experiments in analyzing the factors preventing positive go-around executions with human-in-the-loop simulations, and resulting recommendations for updated procedures that can be used to improve air-traffic safety!

Wednesday, October 23, 2019

Location: Blue Heron Pines Golf Club

550 Country Club Dr, Egg Harbor City, NJ 08215

(609) 965-1800 Check their website for directions: www.blueheronpines.com

Time: Social Time: 6:00 PM Dinner: 6:30 PM Speaker Approx: 7:45 PM

Menu: Buffet style dinner

Cost: \$19 AIAA/IEEE/INCOSE Members, \$23 ITEA/NSBE/HFES/Guests, \$15 Students

Reservations due by noon Tuesday, October 22nd

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