

About the Instructor

Mr. Anthony A. Lambregts

Mr. Lambregts joined the FAA in 1996 as the Chief Scientific and Technical Adviser for Advanced Control Systems. He has over 45 years of experience. Previously, he worked for the Boeing Company on a wide variety of production and research projects in both the commercial and the military divisions of the company.

He has participated in various automatic flight control systems development and certification efforts, including the 747, the 747SP, the 737-300 and 757/767 designs. He has managed a variety of projects, including flight guidance and control systems for the NASA TCV B737, the TECS/THCS advanced functionally integrated flight control project, the Condor autonomous flight control system, the NASA/Boeing High Speed Civil Transport FBW flight control system, as well as Enhanced Vision / Situation Awareness and Fly-by-Light programs.

In 1995/1996 he was on assignment in the Netherlands, working with Fokker Aircraft on fly-by-wire technology transfer and teaching at the Delft University of Technology. At the FAA he is focusing on improving safety and performance of automatic and augmented manual flight control system designs, by promoting the application generalized designs to 1) eliminate undesirable / unnecessary design complexity and function overlap, 2) use simpler operations concepts with fewer modes and more intuitive interfaces between the system and flight crew to eliminate mode confusion, 3) incorporate full airplane flight envelope protection to prevent loss of control.

Mr. Lambregts contributed notable patents in the field of airplane control in turbulence and windshear, automatic landing, integration of multi axes/multi mode control and advanced fly-by-wire controls/displays. He has published a number of authoritative papers on advanced design and safety of automatic and augmented manual (FBW) flight control systems.

BS in Aeronautical Engineering, Delft University (Netherlands)
MS in Aeronautical Engineering, Delft University (Netherlands)
17 Patents; Five Boeing Inventor Awards
Three NASA Awards



Anthony A. Lambregts
Formerly, Chief Scientific and
Technical Adviser for Advanced
Controls

Email:
Tony.Lambregts@hotmail.com

Telephone: 425-6741-1338