An Overview of the USAF Test Pilot School, and A Framework for UAV Flying Qualities

The USAF Test Pilot School teaches flight test engineering with both a theoretical and applied approach. Our mission is to “Produce highly-adaptive, critical-thinking flight test professionals and future senior leaders to lead and conduct full-spectrum test and evaluation of aerospace weapon systems.” This seminar will introduce the Test Pilot School and research opportunities at Test Pilot School.

This seminar will also discuss current topics in aircraft flying qualities. Flying qualities metrics were originally created to standardize and predict the performance of the human/aircraft system for a given task. As UAVs have become widely used, tools to predict their performance are also required. A discussion of whether or not piloted standards are applicable to UAVs will be presented as well as a framework for creating new UAV standards.