

## Modeling and Simulation

### Speakers:



Peter Field

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F/A-18 Air crew Systems Advisory Panel, USA

Mr. Field is a graduate in Mathematics from The Citadel in 1962. He entered the Marine Corps and completed flight training in 1964. He served two tours in the A-4 Skyhawk including shipboard cruises (300 carrier landings) and in Viet Nam, (225 missions). He was a flight instructor in advanced jets and then went to US Navy Test Pilot School (USNTPS) graduating in 1971. He served two tours flying the F-4 Phantom aircraft. Among his three tours at the Navy's Test Center at Patuxent River Md. he was the Navy's chief test Pilot for the F/A-18 Full Scale Development test program. In this assignment he performed mechanical flight control flying qualities tests, out of control recovery testing, gun firing testing, ordnance separation tests, and weapons systems development tests on F/A-18A/B aircraft. He commanded VMFA-314, the first operational F/A-18 squadron. And later was the first Marine Director of USNTPS, where he was responsible for the introduction of the F/A-18 into the school's flying curriculum. Mr. Field has 7000 hours in the cockpit. After 27 years of Marine Corps service he became a Chief Research Program Engineer at Mc Donnell Douglas (now Boeing) where he managed research efforts on the Advanced Short Take Off and Vertical Landing (ASTOVL) fighter, the Intelligent Damage Adaptive Flight Control for the F/A-18 (a variable stability version of the F/A-18 flight control), and the X-53 (F/A-18) Active Aeroelastic Wing Research Program. For a period of 5 years he was Program Manager for the Space Shuttle Orbiter Avionics Upgrades initiative at Boeing. He has flown over 80 different types of airplanes. Mr. Field is an Associate Fellow in the Society of Experimental Test Pilots. He presently flies Bonanza and Baron aircraft for commercial corporations. For the past seven years he has operated his own business in Expert Witness Consulting for law firms. As an educational activity and to supplement his legal consulting he built and is now flying an experimental airplane.