



Webinar, Thursday August 22nd, 7:00 PM EDT
Maj Tucker “Bobsled” Browne
The F-22 Flight Control System



Please join us this month when Major Tucker “Bobsled” Browne discusses the flight control system of the F-22 Raptor. The most advanced air-to-air fighter aircraft in the world, the F-22 employs a sophisticated fly-by-wire flight control system that integrates all the flight control surfaces as well as the thrust vectoring nozzles to best deliver the maneuver requested by the pilot. The talk will cover the system from beginning to end, from the high pressure, 4,000 psi hydraulic system to maneuvers that seem to defy conventional aerodynamics such as the pedal turn and tail slide, as well as the initial design goal for the F-22 of “reckless abandon,” in which the pilot was to be able to freely manipulate the flight controls in any phase of flight and not lose control of the aircraft.

Maj S. Tucker Browne is a developmental fighter test pilot with over 1400 flight hours in over thirty different aircraft, including 196 F-22 combat hours in support of Operation Inherent Resolve. Maj Browne is a distinguished graduate of the U.S. Air Force Test Pilot School class 20A and recipient of the Liethen-Tittle Award presented to the top pilot in each class. His degrees include a Master of Science and Technology Intelligence degree from National Intelligence University, a Master of Science in Flight Test Engineering from the USAF Test Pilot School, a Master of Engineering in Aerospace Engineering from Cornell University, and a Bachelor of Science in Mechanical Engineering from Duke University. In his current assignment, he works at the Pentagon and the Defense Advanced Research Program Agency as a program manager for multiple advanced joint developmental programs. He has flown the F-22, F-16, T-38A/C, F-15E, A-10 and twenty-five other aircraft types.

Pre-registration is required. Use this link <https://tinyurl.com/2rn7rt96> to register and receive your invitation to attend on the 22nd.