

Dr. Mary Hudson just retired from a rewarding 36-year career at Lockheed Martin Aeronautics and Sandia National Laboratories. Her most recent roles included Lockheed Martin Senior Manager of F-35 Flight Test Operations, F-35 Chief Engineer at Edwards Air Force Base, and a Chief Engineer at the Lockheed Martin Skunk Works. Her 16 years on F-35 included roles in aerodynamics, external environment, store separation, store certification, and flight test which was documented in the AIAA Progress in Astronautics and Aeronautics volume 257, "The F-35 Lightning II: From Concept to Cockpit." Mary earned a Bachelor of Science degree in Mechanical Engineering from New Mexico State University, a Master of Science in Mechanical Engineering from Stanford, and a PhD in Aerospace Engineering from North Carolina State University with her thesis titled "Linear Stability Theory of Hypersonic Flows in Thermal and Chemical Nonequilibrium."