



AEROSPACE ENGINEERING SCIENCES

Seminar



Mark Kammeyer

Associate Technical Fellow
Aero/Noise/Propulsion
Boeing Test & Evaluation

Industrial Wind-Tunnel Testing

Wind tunnel testing is the primary aerodynamic design tool for commercial and military aircraft of all types. This talk will give an overview of industrial wind-tunnel testing, with an emphasis on why testing is performed and how the quantity of testing has evolved over time. The variety of test types and the drivers for data accuracy will be described. The engineering disciplines and individual job responsibilities involved will also be discussed.

Wednesday, September 14, 2016

12:00 – 1:00 pm

Discovery Learning Center

Biography:

Mark Kammeyer is an Associate Technical Fellow with The Boeing Company. As part of the Aero/Noise/Propulsion Laboratories in St. Louis, Mark supports company wind-tunnel test programs at internal and external facilities. His interests include wind-tunnel data quality and uncertainty analysis, statistical methods, calibration and use of internal balances, test methods development, and facility improvement. Prior to joining Boeing in 1996, Mark worked at the Naval Surface Warfare Center in Silver Spring, MD, where he performed test engineering in the Hypervelocity Wind Tunnel. Mark received a B.S. degree in Aerospace Engineering from the University of Oklahoma in 1984, and an M.S. in Aerospace Engineering from the University of Maryland in 1986. He earned his Ph.D. in Mechanical Engineering at The Catholic University of America in 1996.