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SEMINAR ANNOUNCEMENT

SPEAKER: Dr. Thomas J. Beutner
Program Manager
DARPA

TOPIC: Trends in Aeronautics

DATE: Tuesday, October 27, 2009

TIME: 3:30 p.m.

PLACE: 138 DeBartolo Hall

Abstract

The past 20 years have brought major changes in the nature and focus of challenges being faced by aeronautical engineers. This presentation will discuss trends in workforce, funding, systems, and capabilities. An example of an experimental technique, Planar Doppler Velocimetry, enabled by the improvements in processing power will be discussed in more detail. This technique utilizes a molecular filter to discriminate frequency shifts in light scattered by moving particles, and allows planar velocimetry measurements in wind tunnel tests.