AAE Special Seminar

“NASA Aeronautics: A Look to the Future”

Barbara Esker
Deputy Director
Advanced Air Vehicles Program
NASA Aeronautics Research Mission Directorate

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3:00 pm

Abstract
An overview of the current context for NASA's advanced aeronautics research as well as current and planned contributions to aviation. The drivers that will shape the future of aviation, and what NASA is doing about it – e.g., Aeronautical Research Mission Directorate, Advanced Air Vehicles Program, Advanced Air Transport Technology Project and our vision looking forward. These considerations provide the context for our collaborations with our partners and our interest in the students’ ideas.

Bio
As deputy director in close partnership with the director, Ms. Esker is responsible for the overall planning, management and evaluation of the mission directorate’s efforts to develop tools, technologies, and concepts that enable new generations of civil aircraft that are safer, more energy efficient, and that have a smaller environmental footprint. The AAV program works to achieve major leaps in the performance of subsonic fixed-wing and vertical lift air vehicles to meet growing long-term civil aviation needs, in the concept of low-boom supersonic flight, and in sustaining hypersonic competency for national needs.