

AAE520 Course Projects for 2009

Tentative List. Groups 1-4 report Tuesday, Groups 5-7 on Wednesday

- 1) Peter Gilbert and Laura Steen, Instability and Transition on the CIRA Cone, in the Mach-6 quiet tunnel
- 2) Amanda Chou and Dennis Berridge, Instability and Transition on the Compression Cone, in the Mach-6 quiet tunnel
- 3) Chris Ward and Deepti Singh (and Davide Masutti from VKI), Instability and Transition on the Expert and Flat Plate with Roughness, in the Mach-6 quiet tunnel
- 4) Cylinder wake in water tunnel. with roughness? cp to air wake? LDV cp to hot wire? Arnab Ganguly and Jeremy Nabeth
- 5) Forces and Moments on a Design-Build-Fly Aircraft, Jonathan Huseman, Zach Ramey and Weinan Lin, Boeing subsonic tunnel
- 6) Measurements of Flow Quality with New Fan, Shalini Mohanty and Jitendra Gupta, Boeing subsonic tunnel
- 7) Patrick Hsu, Yanan Gan and Narasimha-Murthy, Plasma-control effects on separation, Armstrong and Boeing tunnels