



# American Institute of Aeronautics and Astronautics Dayton-Cincinnati Section

**Lunch 'N Learn  
Friday,  
14 November 2014  
11:45 AM**

## **"AFRL Mach 3 & Mach 6 Wind Tunnels"**

*Guest Speakers:*  
**Jim Hayes &  
Servane Altman**

Test Engineers,  
AFRL RQVX

### **Location**

China Garden Buffet  
112 Woodman Dr.  
Dayton, OH 45431

Buffet will be available for  
purchase.



Originally built in 1968 and 1972, the Mach 3 and Mach 6 High Reynolds Number Facilities played crucial roles turbulent boundary layer characteristics, aerodynamic heating, and aerodynamic characteristics of programs such as NASP, X-24A, and many other reusable Space Shuttle concepts. These facilities were mothballed in the mid '90, but with growing renewed interest in high speed aerodynamics research, these facilities were resurrected and refurbished.

With over 50 years of combined AFRL Wind Tunnels experience, Jim Hayes and Servane Altman lead the efforts to bring these facilities back to life. They will share the accomplishments and challenges that their team faced during this effort.

