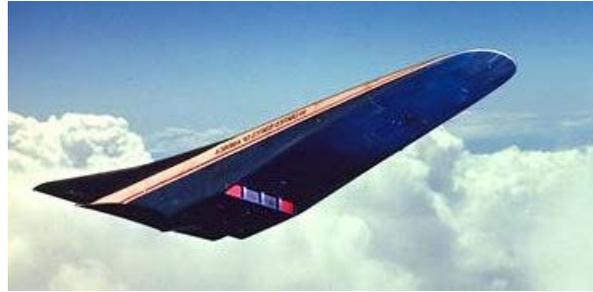




# AIAA

## American Institute of Aeronautics and Astronautics Dayton-Cincinnati Section

### **Lunch 'n' Learn** *Five Decades of Propulsion System Integration* **Guest Speaker:** **Mr. Tom Kaemming** **Friday, 20 Dec 2013**



Mr. Tom Kaemming will provide an overview of five decades of engineering work on advanced military air vehicles and space vehicles. He will discuss examples of technical challenges and creative solutions from his personal experience, such as the unique challenges of designing V/STOL and hypersonic propulsion systems. Specific programs to be highlighted will be the Space Shuttle, the AV-8B and the National Aero-Space Plane (NASP). Tom will also discuss the past and potential future of Pressure Gain Combustion (PGC) technology. PGC technology offers the potential to improve propulsion system efficiencies for a wide range of air vehicle applications. To realize this potential, significant research investment has been, and is being, made to advance its Technology Readiness Level (TRL).

Mr. Kaemming has 44 years experience in advanced propulsion systems including: turbojets, ramjets, scramjets, rockets and PGC. Tom is an AIAA Associate Fellow and retired Boeing Technical Fellow. Tom played a key propulsion role on the National Aero-Space Plane (NASP) and Boeing's PGC research. Currently, Tom consults with AFRL on PGC technology. In 2013, Tom received the AIAA Air Breathing Propulsion Award for his lifetime of technical contributions.

### **Time**

11:45 AM

### **Location**

China Garden Buffet  
112 Woodman Dr.  
Dayton, OH 45431

### **Lunch**

You will be able to  
purchase the buffet

