



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

**Lunch 'n' Learn  
Friday 21 May 2010**

**“Option6: The Re-Usable Space Truck  
Design for Routine Access to Space”**

**Guest Speaker:  
Douglas G. Thorpe, President  
Thortek Laboratories, Inc.**



Many of you are familiar with the recent Augustine Report, which covers five options for the future of the U.S. human spaceflight program. Douglas Thorpe would like to present a 6<sup>th</sup> option. This option focuses on the Re-Usable Space Truck design as a means for routine access to space. Doug will discuss this option and show how we can reach LEO and the moon for less cost than any of the options outlined in the Augustine Report. He will describe some of the principles for affordable space access as well as the top design concerns and recommended architectures. Come out and join us for this great presentation!

Douglas Thorpe is the President of Thortek Laboratories, where he focuses on taking energy efficient and environmentally friendly products from conception to delivery. Doug has been the Principal Investigator for several SBIR contracts from NASA and the USAF for electric motors, magnetic bearings, flywheel energy storage systems and internal combustion engines among other innovative contracts. Additionally, he is an Adjunct Professor at Morehead State University where he has taught classes ranging from “Introduction to Launch Vehicle Design” to “Industrial Motor Control and Electric Motors”. Doug has multiple patents and is an active member of AIAA.

**Time: 11:45 am**

**Location:**  
*China Garden Buffet  
112 Woodman Dr.  
Dayton, OH 45431*

**Lunch:**  
*You will be able to  
purchase the buffet*

