



## **Dinner Meeting 24 June 2010**

**AIAA joint with ASME and Mars  
Society**

### **Time**

6:00 PM	Social (Cash Bar)
7:00 PM	Dinner
8:00 PM	Presentation

### **Location**

Dayton Marriott  
1414 S. Patterson Boulevard  
Dayton, Ohio 45409 USA  
Phone: 1-937-223-1000

### **Reservations**

RSVP by June 17<sup>th</sup> to:  
Jerry Black [gblack@cinci.rr.com]

### **Dinner Menu**

Sautéed breast of chicken,  
tarragon & port wine OR  
Penne pasta with portabella  
mushrooms, tomato-basil  
concasé

### **Cost**

\$30.00	Non-Members
\$25.00	Members
\$10.00	Students



## **Guest Speaker: Robert Zubrin**

*President of Mars Society*



## **Mars Direct: Humans to the Red Planet within a Decade**

### **Abstract**

In July 1989, on the 20th anniversary of the Apollo Moon landing, the first President Bush called for America to renew its pioneering push into space with the establishment of a permanent Lunar base and a series of human missions to Mars. While many have said that such an endeavor would be excessively costly and take many decades, a small team at Martin Marietta drew up a daring plan that could sharply cut costs and send a group of American astronauts to the Red Planet within ten years (from program start). The plan is known as "Mars Direct". Now, with nation debating how to proceed with human space exploration, the "Mars Direct" plan is more relevant than ever: Can Americans reach the Red Planet in our time?

Robert Zubrin is president of Pioneer Astronautics. He holds Masters degrees in Aeronautics and Astronautics and a doctorate in Nuclear Engineering. He is the inventor of several unique concepts for space propulsion and exploration, the author of over 200 published technical and non-technical papers in the field. Most recently, he founded the Mars Society; an international organization dedicated to furthering the exploration and settlement of Mars by both public and private means. In that capacity, he personally led the construction and operation of a human Mars exploration training station on Devon Island, an uninhabited island in the Canadian Arctic 900 miles from the North Pole.

**Non-Members that join AIAA that evening will be admitted for only \$5.00!**

# *Directions to Dayton Marriott*

1414 S. Patterson Boulevard

Dayton, Ohio 45409 USA

Driving Directions: I-75 exit at Edwin C Moses Blvd exit 51. Head east off of exit. Right on Stewart St over bridge. Right on Patterson Blvd. hotel on left.

