



AIAA

American Institute of
Aeronautics and Astronautics
Dayton-Cincinnati Section

Dinner Meeting 18 November 2014

All Welcome!

Time

6:00 PM Social (Cash Bar)
6:30 PM Dinner
7:30 PM Presentation

Location

Holiday Inn
Kitty Hawk Room
2800 Presidential Drive
Fairborn, OH 45324

Reservations

RSVP by Nov 11th to
Dr. Marc Polanka
Marc.Polanka@afit.edu

Dinner Menu

American Buffet: Choice of
Grilled Breast of Chicken or
Sliced Roast Pork Loin
with
Potato Salad, Cole Slaw,
Vegetables and Garden Salad
with
An open bar

\$25.00 Professionals
\$10.00 Students

Guest Speaker: Mr. Steve Heck STEM Education taken to New Heights: Take your Place in Space

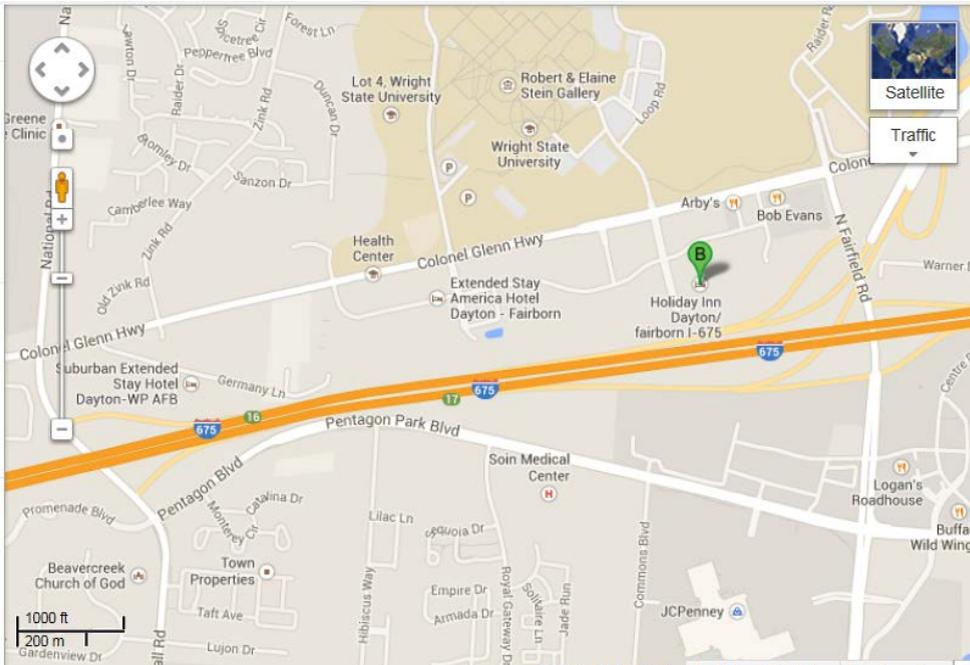


Abstract

Steve Heck will discuss the Arete STEM project which aims to prepare our students for the 21st century by having student scientists design and fly experimental payloads on suborbital flights with XCOR Aerospace, assisted by expert mentors and using the knowledge and skills they have developed as part of an Engineering Design Process. There are four main project goals. First is to develop future scientists, technologists, engineers, and mathematicians. Second, to launch a continuing program of research and discovery in schools. Third, to create a network of mentors to work with students on projects. Fourth, the program aims to foster a state, community, business, and school relationship to accomplish our mission.

Background

Steve Heck served as a Command Pilot in the United States Air Force where he amassed over 2700 hours of jet flight time and holds two world flight records. While in the Air Force, Steve was nominated for one of President Bush's "Points of Light" Award for his work in education. Steve was awarded five Meritorious Service Medals and was an Outstanding Graduate from the USAF's Air War College. Further, Steve is the recipient of two of the highest honors any educator in our nation has received. He was selected as an Astronaut Educator in the new Citizens in Space Program and awarded a NASA Endeavor Fellowship. This program selects a limited number of teachers from across the country to undergo enhanced education in science technology, engineering and math (STEM) and received astronaut training which culminates in a sub-orbital flight. Steve's efforts within the NASA Endeavor Program garnered him their two highest honors, Leadership with Distinction and Research awards. In the summer of 2013, Steve earned his civilian astronaut wings while graduating from NASTAR's Suborbital Scientist Training Program. Sometime in the next 18 months, Steve will become one of the first educators in the nation to fly on a sub-orbital commercial flight with XCOR Aerospace and conduct student designed experiments in space.



Directions:

From South: Exit I75 N onto I675 N

From N, E, and W: Take I70 to I675 S

Then take Exit 17 – North Fairfield Road. Head North to Col Glenn Hwy. Make a left at light on to Col Glenn.

Can make a left at any inlet but 3rd inlet has a traffic light and leads straight into Holiday Inn parking lot.

Enter through main hotel lobby.

Kitty Hawk room is around to the right once pass through lobby area.

