



Dayton-Cincinnati Section



Dinner Meeting 5 November 2018

All Welcome!

Time

6:00 PM Social (Cash Bar)

6:45 PM Dinner

7:45 PM Presentation

Location

Holiday Inn
Challenger Room
2800 Presidential Drive
Fairborn, OH 45324

Reservations

RSVP by Oct 31 to
Robert Ashbaugh
ashbaugh.10@wright.edu

Dinner Menu:

**Buffer with Grilled Chicken Breast
and Baked Cheese Ziti**

*With market garden salad, roasted
potatoes, mixed vegetables, chocolate
cake, and cookies.*

\$25.00 Professionals

\$10.00 Students

Guest Speaker: Greg Meholic Advanced Space Propulsion Concepts for Interstellar Travel

Abstract

Mr. Meholic will discuss some compelling reasons why humans should explore the heavens beyond the bounds of the solar system. He will take an evolutionary approach by exploring advanced engine systems intended for long-range solar system exploration, such as nuclear engines, antimatter engines and interstellar ramjets, which define the capability limits of chemical propulsion. He will then describe a new paradigm of “propellantless” propulsion schemes. Concepts such as space-time manipulation, faster-than-light travel, wormholes, quantum drives, and so on, may provide the only viable propulsion options to enable reasonable trip times to distant stars. Greg will hopefully instill the belief that mankind will someday move beyond the bounds of our solar neighborhood.

Background

Mr. Meholic works at The Aerospace Corporation, where he examines future concepts and emerging technology for spacelift systems of interest to the US Government. He also evaluates novel propulsion systems and engine cycles geared towards hypersonics and access to space. He is an expert in liquid rocket engine design and has supported over 40 launches as well as numerous advanced propulsion programs. Greg holds both Bachelors and Masters Degrees in Aerospace Engineering from Embry-Riddle Aeronautical University. He is a Distinguished Lecturer and Associate Fellow of the American Institute of Aeronautics and Astronautics and is the chair of the AIAA Nuclear and Future Flight Propulsion Technical Committee.



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

