



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

Lunch 'n' Learn

Midwest Propulsion Group

Guest Speaker:

Mr. Rick Wills

Rocket Team Lead

Friday, Sept 19, 2014



The DIY (Do It Yourself)/Maker movement is well established in the US. The MWPG is an extension of that movement. This self funded group engages in building up old turbine and rocket engines for use in various projects.

The Midwest Propulsion Group, formed in March 2012, is an aerospace propulsion hacker group. The group has two teams: one concentrating on turbines and the other rocket propulsion. The turbine team is currently building a hovercraft using a Solar T62-32A turbine to drive a propeller and a 12 hp engine to power the lift fan. The turbine team is also working to build an Arduino-based controller for a Tiernay TT-10 turbine for a go-kart application. The rocket team built a test stand for their LR-101 rocket engine. The LR-101 is a LOX/kerosene 1000 lbf thrust system; the team is preparing the stand for a late fall test campaign. The team has built and tested numerous solid propellant engines.

Time

11:45 AM

Location

China Garden Buffet

112 Woodman Dr.

Dayton, OH 45431

Lunch

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

