

Vandal Forge
Team Meeting Minutes
08 NOV 2016

- Team is registered for the Idaho Pitch Competition on 11/15 @ 5:00-6:30PM.
- Jay will provide the minutes for the share drive, wiki by 11/14
- Kyle currently leaning towards buying welder PSU and possibly using external circuitry to control its behavior, 1kW resistors, power MOSFET?
- Discussed developing math models for how different variables, e.g. wire feed speed, gas control, and temperature are interrelated.
- Nathan will investigate how to create a system for trimming the wire to a determined length and removing the weld ball that can form at the end of the wire.
- Welding team discussed the potential expense of and operation of the welder's gas system.
- Team members should have their elevator speech prepared by 11/14.
- Team members should submit their logbook to Dr. Maughan by 11/9.
- Team members need to attend two design review sessions prior to 11/18.

Thursday, Nov. 10, 3:30-4:30pm (tentative ECE conference GJL 218) Freely Reaped Electromagnetic energy

(#27)[http://mindworks.shoutwiki.com/wiki/Freely Reaped Electromagnetic Energy \(FREE\) 2016-2017](http://mindworks.shoutwiki.com/wiki/Freely_Reaped_Electromagnetic_Energy_(FREE)_2016-2017)

Friday, Nov. 11, 3:00:00-4:00pm (ECE conference) Flywheel Energy Storage System (#8):

[http://mindworks.shoutwiki.com/wiki/Lunar Flywheel Energy Storage System](http://mindworks.shoutwiki.com/wiki/Lunar_Flywheel_Energy_Storage_System)

Friday, Nov. 11, 3:00-4:00pm (ECE conference) Flywheel Control (#8):

[http://mindworks.shoutwiki.com/wiki/Lunar Flywheel Controls System](http://mindworks.shoutwiki.com/wiki/Lunar_Flywheel_Controls_System)

(this information is deleted)

Tuesday, Nov. 15, 10:30am-11:30am (ECE conference) Micro-Cap (#31)

- Discussed the potential need for
 - Electronically controlled valve for Ar-CO2
 - Grounded base plate
 - Fume extractor system