

# MEETING MINUTES

## Topic: Staff Meeting-Individual Analyses

Thursday, March 28, 2018

10:35 am – 10:55 am

Minutes recorded by Jacob Barker

Attendees: Jacob Barker, Ashley Shumaker (+David Willy, Amy Schwartz)

Table 1. Record of meeting.

<b>10:35 am to 10:45</b>	<b>Turbine Blade Desing</b> <ul style="list-style-type: none"><li>• Discretize blade into blade elements<ul style="list-style-type: none"><li>○ 2D velocity elements</li><li>○ Create velocity triangle for each element<ul style="list-style-type: none"><li>▪ Will be different because blade speed will be different as radius changes</li></ul></li><li>○ Calculate Reynolds Number to get internal velocity profile</li></ul></li></ul>	EGR 120
<b>10:45 am to end</b>	<b>Heating Options</b> <ul style="list-style-type: none"><li>• Grainger Heating elements</li><li>• Water heater heating elements</li><li>• Power resistors</li><li>• Electric heating pad?</li><li>• Make combustion chamber metal to sustain higher temperatures<ul style="list-style-type: none"><li>○ Will be mixing chamber w/ 2 inlets and 1 outlet</li></ul></li></ul>	EGR 120