HPRT MEETING MINUTES

Staff Meeting

Tuesday, 10 October 2017 3:00pm to

Minutes recorded by: Myla Azofeifa

Meeting called by: Alex Rustaey

Attendees: Yi Tong Zhang, Jordan Loos, William McGinn, Dr. David Trevas, Amy Swartz

Table 1 - Record of Meeting

3:00pm	 Begin Meeting Honeywell cancelled until next week (2:59pm) 	EGR 323
3:00pm	 What Have We Been Up To Designs being considered Turbo expander Pinch valve Pulse width modulation Using an arduino? Opening/closing quickly, fatigue/limited life becomes a problem Honeywell already has some sensors downstream 	EGR 323
3:05pm	 Calculations (Analytical Tasks Assignment) Example: How do you load a turbine? Create a function for analysis Create equations for different closure elements Advantages & Disadvantages Give one example using "reasonable" values Pressure drop for different geometric shapes Change in area gives you for a pressure drop 	EGR 323
3:15pm	Individual Analysis Topics Alex - Turbine Bill - Analysis paper Myla - Pinch Valves (life of material, 	

	 pressure drop for different geometric shapes, change in area affecting pressure drop Jordan - Pulse Width Modulation (PWM) Yi Tong - Flexible metal bellows (acting like a spring) 	
3:18pm	How to open the Honeywell-provided CAD- model • File is in parasolid •	
3:22pm	To test pressure regulator Use tank in the thermal fluids lab	

Table 2 - Tasks Assigned

Tasks	Person Assigned	Due Date	Date Complete
Complete Team Memo regarding individual analytical tasks assignment.		10/13/2017	
Complete individual analysis.			
Complete shop safety training. Must be done on a weekday at 9:30am. Contact Kellan Rothfus for more information.	Jordan Loos Bill McGinn Alex Rustaey Yi Tong Zhang	Spring 2018	
Complete Advanced Shop Training (following the completion of shop safety training). Available every other weekend beginning 9/9 & 9/10. Contact Kellan Rothfus for more information.	Jordan Loos Bill McGinn Alex Rustaey Yi Tong Zhang	Spring 2018	

Next formal meeting: Tuesday, 3 October 2017, Engineering Bldg. (#69), Room 323 at 3:00 PM (client meeting)