**November 11, 2014 General Board Meeting**

* Florida Engineering Society activities
	+ International Education Week (November 17-21, 2014)
		- East Campus – Wednesday 12 – 2pm at Building 5, the great hall
		- West Campus – Thursday 12 – 2pm at SSB Patio
		- Osceola Campus – TBA
	+ Engineer’s Week
		- Come up with a project to showcase in the science fair. Get some experience and something to add to your resume.
* Lockheed Martin Speaker; Charles Payne
	+ He works at the Lockheed Martin- Mission Systems and Training (East Orlando)
	+ He is an Electrical Engineer
		- Got his bachelor of science from UCF
	+ Interned with Lockheed Martin in 2007
		- He joined the “CWET” program at UCF which got him the internship at Lockheed Martin
		- Lockheed Martin’s internship work around your schedule
		- He worked on Maritime Automation and Control Solutions
			* His job was to perform component obsolescence surv3eys for the DDG machinery control systems
			* Once he found an obsolete component, he was tasked to find a replacement or redesign the assembly
			* The surveys are performed every 3 months and require the creation of excel sheets and documenting each part of the system
			* Some issues:
				+ Tedious and long
				+ High risk of skipping components
				+ 15,000 surveys need to be performed
				+ Spending 6000 hrs
			* New Survey Process (Automation)
				+ Created a new obsolescence database
				+ Automation replaces the manual repetitious steps previously done before
				+ Eliminates user input errors
				+ Reduced the time to about 3000hrs per year
	+ Current project
		- Close Combat Tactical Trainer
			* Full immersion training simulation
			* It is mobile and fixed site
			* Some of the simulated vehicles they have are
				+ Abrams Tanks
				+ Bradley Fighting Vehicles
				+ Armored Personnel Carriers
				+ Humvees
	+ Lockheed Martin Information
		- They have 113,000 employees
		- Here in Orlando there are two facilities
			* Missiles and Fire Control (west side)
			* Missions Systems and Training (East side)
				+ Deals with training and simulation technologies
				+ Missions operations support
				+ Engineering support and integration services
				+ Teaching aircrew’s to fly fighter jets and train soldiers to convoy through city streets
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