**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
* Charles Payne Contact Information
  + Phone: 386 – 237 – 2450
  + Email: [Charles.e.payne@lmco.com](mailto:Charles.e.payne@lmco.com)
  + LinkedIn: [www.linkedin.com/cepayne3](http://www.linkedin.com/cepayne3)