General Board Meeting September 30, 2014

1. **Introduction of FES officers**
   1. President: Lucy Do
   2. Vice President: Daniel Barkley
   3. Treasurer: Shakira Cummings
   4. Secretary: Martin Do
   5. Senator of Representation: Julia Boyhan
   6. Senator of Marketing: Alan Cravey
   7. Senator of Fundraising: Open Position
   8. Senator of Communications: Daniel Parangan
   9. Senator of Philanthropy: Jontavius Jacobs
   10. Student Advisor: Marc Bradman
2. **Introduction of the Haunted Physics House**
   1. October 30th from 6PM – 8PM
   2. Time:
      1. Setup is from 4pm – 6pm
      2. Event is from 6pm- 8pm
      3. Cleanup is from 8pm-9pm
   3. Location: Special Events building (Building 8)
   4. FES members are encouraged to submit and work on projects to display at the Haunted Physics House
      1. Get noticed by the FES board, get some experience outside of school, and get fes points to use towards chord, tours, shirts
   5. Don’t have any ideas…not to worry, come volunteer!
3. **Introduction of the FES Website**
   1. Website: Fesvalencia.weebly.com
   2. Point System
      1. Redeem for t-shirts, chords, or opportunities to go on tours
         1. Volunteering at FES sponsored event = 10points
         2. Tabling = 10points
         3. Attending a meeting = 5points
         4. Being active member of a committee = 5points
         5. Wearing FES t-shirts to meetings or events = 3points
         6. Donating food or materials to meetings or events = 3points
         7. Winning fes sponsored competition = 3points
   3. Officer position is available
      1. Senator of Fundraising
4. **Introduction of IEEE (Institute of Electronics and Electrical Engineers)**
   1. President: Wes Dolinski
   2. Programs
      1. STEAM Rocks
      2. Give Kids the World Engineering Opportunities
      3. Robotics Competitions
   3. Facebook: Valencia IEEE
      1. **https://www.facebook.com/ValenciaIEEE?ref=br\_tf**
   4. Website: <http://ewh.ieee.org/sb/orlando/valencia/>
   5. Email: Valenciaieee@gmail.com
5. **Introduction of Guest Speaker**
   1. Glenn Forrest PE, Civil Engineer, Utility Manager at MacDill Air Force Base
      1. Part of the Florida Engineering Society
         1. Mr. Forrest use to be the president of the Florida Engineering Society
         2. Glenn Forrest went to his first meeting and became a programs chair
            1. His responsibilities are to arrange guest speakers of different fields and subjects
         3. Advocate for Mathcounts
            1. Competition for middle school students on STEM related problems
         4. Some of advice:
            1. Civil and Environmental engineers should work at a public agency to gather lots of experience
         5. Mr. Forrest Philosophy
            1. Do what you have to do
            2. Do the best you can
            3. Learn from the experience
      2. Some facts about the Organization
         1. Statewide Organization
         2. Founded in 1960
         3. They give membership opportunities to Bachelor Graduates
         4. The promote ethical and competent behavior
      3. Florida Governmental Utility Authority (FGUA)
         1. Worked on a project at MacDill AFB reclaimed water storage
         2. Started in 2008
         3. Location: Tampa
         4. 15,000 – 20,000 people working throughout the facility
            1. Reclaimed Water:

The water is clean enough for irrigation (watering plants)

* + 1. Florida Engineering Foundation
       1. Provides:
          1. Assistance to students in engineering studies
          2. Resources to engineering programs in Florida
       2. Promotes Diversity
       3. Raises public awareness of the role of engineering in society
       4. 2010-2011 budget included over $130,000 dollars:
          1. Scholarships
          2. Mathcounts
          3. Bridge contest
          4. Student organizations
          5. Teacher awards
          6. Robotics, Florida engineering educators, conference, etc.

1. **Glenn Q&A session**
   1. Pros and Cons of pursuing a master’s degree
      1. Pros
         1. Edge on someone else with a bachelor’s degree in the same position
      2. Cons
         1. Financial hardships
            1. No scholarships
            2. No money
            3. No resources
         2. Not %100 sure on you field
         3. Pigeon hole yourself into a specific field
   2. FES order of engineers
      1. Membership into the Order is free
      2. Take an oath of the engineers, get a ring on your working hand, symbolizes your dedication to the oath
      3. Was created in the 1920s-1927 because of a bridge collapse in Canada
         1. Created this organization and an oath to uphold public safety above all else
   3. Bachelor’s plus 30
      1. A degree program that requires a PE license
   4. Part time job
      1. Get a job at an engineering firm, even if they make you tedious work, working at the firm looks good on your resume and you learn things while you are there
   5. GPA
      1. GPA isn’t the only factor in job eligibility
      2. Employers look for
         1. Good attitude
         2. Good oral skills
         3. Well roundness
         4. Part time work and experience
         5. Hard work and determination
   6. Internship
      1. Many opportunities are available for internships
      2. Glenn Forrest is offering the chance to help students and match them with a job opportunity
   7. PE licensing and process
      1. Testing:
         1. Open book test
         2. General test in the morning, field specific in the afternoon
         3. Civil engineers are recommended to have PE license
         4. PE license requires 4-5 references from other professional engineers
         5. Structural exams are two days long
         6. Most states require their own PE licenses, however, if you have one from another state you could just apply for the particular state’s PE license, possibly without taking another PE exam.
      2. Renewal
         1. Requires continuing education every two years
            1. Being a chapter officer counts as continuing education
            2. Attending classes approved for continuing education
            3. Cost $100-$120 to renew the license
      3. Resume
         1. Be creative
         2. Include extra circular activities
            1. Related to the field or not, employers like to see if you are active
         3. Be well rounded and involved
         4. Include related side projects, hobby projects, etc