This month NSBE has, and plans to do events that strengthen our members as well as expands the size of our chapter. In terms of what we have already done, we have attended a Zone Summit in which we met with other chapters in the area and had workshops which enhanced our skills as NSBE leaders by working with other chapters we are able to increase our network as well as develop leadership, social, and professional skills. To educate children on the opportunities NSBE has to offer, we visited Harriton High and talked with the students. We held activities at the high school such as a marshmallow tower challenge (tallest tower was 19 inches). The official NSBE junior kickoff is taking place this Saturday, October 26th. We will be working with our NSBE junior chapter to get a better relationship with them as well as prepare them for the next level of their NSBE life. We are also holding our first fundraiser of the semester and plan to travel to Dorney Park for Fright Night as a chapter social event. As you can see we have a busy month. Again, if you have any questions, feel free to contact us at president@novansbe.org.

Chi Epsilon (Civil Engineering Honor Society)

The Civil Engineering fraternity, Chi Epsilon, has been focusing on providing tutoring help to all levels of civil engineering students at Villanova University. The fraternity is helping fellow students in all civil engineering classes such as Mechanics I, Mechanics II, and Structural Analysis. As the end of the semester approaches, tutors will be available for study sessions in preparation for finals. Also, in the upcoming weeks, Chi Epsilon will begin the selection process for new members, as well as, start planning its initiation ceremony, which will take place next semester. Any questions regarding tutoring help or Chi Epsilon in general should be directed to Kayla Spitzer at kspitz01@villanova.ed
Chem-E Car

Overall, the Chem-E-Car team has been steadily working to achieve its goal of getting a car ready to participate in the competition in the spring. As far as each team goes; the chassis team has been working on implementing a design that meets the needs of the other teams. The plan is to make the car out of metal and use plastic or an equally flexible material for all other support apparatuses. The driving reaction team has been focusing on trying to power 3 stacked 23mW fuel cells with a sodium hydroxide and aluminum reaction. There has been a possible problem with hydrogen leakage and the presence of oxygen in reaction vessel. This is being investigated by trying to evacuate reaction flask prior to reaction, and also sealing all possible leakage points. The stopping reaction team is continuing to collect data for different time trials of the iodine clock reaction. Once enough data is collected, it will be plotted on a chart so that on the day of the competition the necessary concentration of hydrogen peroxide can be easily identified for the stopping reaction. Also, the stopping reaction is evaluating different photo-light sensors that can be used to physically stop the car.

Engineers Without Borders (EWB)

Engineers without Borders has been off to a very strong start this year, with projects in five countries, in addition to emerging local projects. Over fall break, trips traveled to Nicaragua and Panama to continue work. The students who traveled to Panama worked on installing monitoring devices in the Parque Natural System. The other members of groups participating in projects located in the Philippines, Cambodia and India are continuing their work to prepare for trips over the upcoming winter break. There are a lot of exciting things happening in EWB this year, more updates to come!!

American Society of Civil Engineers (ASCE)

The Villanova ASCE Chapter had a great turnout at the Turner Construction presentation on September 25th. We are also hosting Vericon Construction on October 28th and Larry Novak from the Portland Cement Association on November 12th to speak about the construction of the Burj Dubai Tower.
Villanova Community Action by New Engineers (NovaCANE)

NovaCANE has been working hard lately to reach out to the greater Philadelphia area. We had many members of the club come together for Day of Service in which we visited Saint Martin of Tours School for the day. While at the school, some members painted, some gardened, and most impressively, many members helped to put together a rain garden for the school. In addition, the club has made a visit to Saint Martin of Tours to perform an egg drop with the 8th graders. Each team of students was given an egg along with materials in order to build a supporting structure around the egg. An emphasis on air drag was presented to the students in order to reinforce the importance of drag on slowing the eggs descent from the 3rd story window. In addition, the green group visited Sts. Colman and John Neumann Elementary school in Bryn Mawr where they did an activity on recycling plastics. We look forward to more visits that will be made to these schools and others in the next couple weeks.

Formula SAE

Nova Racing has reached a large milestone this month. Welding of VU06’s Frame has been completed, the earliest it has ever been done compared to previous years. The team is on track to have VU06 running by the end of February. The team will also be having a mock “Design Review” this month with Nova Racing Alumni and members of the Villanova Faculty to give the design leads a chance to review their design and practice presenting their systems to design judges. On a different note, the team will be holding a driver training/team building session at the New Jersey Motorsports Park later this month whereby members will enter a 90 minute endurance race. For questions regarding our team, our cars, or getting involved, please feel free to contact Souhail Halaby at mhalaby@villanova.edu.

American Society of Mechanical Engineers (ASME)

On November 12th at 6:00 in Tolentine 215, ASME will be hosting David Concannon to talk about the discovery of the world's deepest wooden shipwreck in the middle of the Bermuda Triangle. Dinner will be served and students interested in attending should RSVP to Dr. Aaron Wemhoff. Additionally, our members will be assisting the Philadelphia Student Section in designing and constructing a Rube Goldberg machine that can start a car, and will be featured in the Philadelphia Auto Show. ASME is looking for volunteers to help run the Beatle Bot competition on December 7th. We are also planning a game night where students can challenge their mechanical engineering professors in a variety of board and card games. We are looking forward to the rest of the semester!
Institute of Transportation Engineers (ITE)

The Villanova ITE Club held a recruitment presentation on October 7th in CEER 001. Due to scheduling conflicts the target audience (Sophomore Civil Engineering Students) was not able to attend the recruitment meeting. The ITE Club is planning to hold another recruitment event due to the schedule conflicts from last event. Looking into the near future, the ITE Club would like to announce that it will be holding a SYNCHRO tutorial session on October 28th at 6 PM in John Barry 206. For those unfamiliar, SYNCHRO is a simulator type computer program used in transportation engineering for the design and evaluation of transportation projects from major roadways to small town roundabouts. That being said the ITE Club would like to extend an invite to anyone interested to join us on Oct. 28th for the information session, drinks and pizza will be served and the ITE Club looks forward to seeing you there and at future recruitment events.

American Institute of Aeronautics and Astronautics (AIAA)

AIAA will hold a meeting with inspirational speaker Dr. McAssey in October. Dr. McAssey has been involved in a plethora of engineering projects throughout his life and was a professor at Villanova University (he still helps out ME students through after school tutoring). AIAA is also planning a trip to the American Helicopter Museum in November. As the only helicopter museum in the country, the American Helicopter Museum restores and displays historical aircraft and focuses on the science and technology of vertical flight.

PEERS

The CEER PEERS have been busy helping out the freshmen engineering class both in review sessions and during office hours. As the freshmen start their new mini-projects, we hope to see lots new faces with more questions. Stop by the office during the posted hours and a PEER will be there to help with any questions.

We will be hosting Open Office hours on Tuesday, 10/28 from 6-8 pm to help freshmen prepare for their next Chemistry test.
International Society for Pharmaceutical Engineering (ISPE)

The Villanova Chapter of ISPE will be attending an event for students and young professionals at UPenn on November 9th where many former engineers will discuss how they worked their way into other professions, such as Law, Quality Assurance, and more. This event demonstrates that ISPE membership and involvement can be a gateway to other professions outside of the Pharmaceutical industry, which is why ISPE is great for all majors! ISPE has also already sponsored trips to two networking sessions held by members of the pharmaceutical industry, with many more to come. In addition, we are working to get an industry professional on campus as a speaker in the coming weeks and we are in the process of organizing a plant tour for any interested students. If you have any questions, or would like to become a member of ISPE, contact Robert McGrane (rmcgra01@villanova.edu) or Lauren Woll (lwoll01@villanova.edu).

Eta Kappa Nu (HKN) (Electrical and Computer Honor Society)

Last month, HKN got their own twitter and had a great turnout with its Info Session. We're planning great things for the upcoming months, such as a scavenger hunt and a mentoring program. Look for an email soon about fun events for the HKN Founders Day!

Institute of Electrical and Electronics Engineers

The IEEE had its first meeting earlier this month where we discussed upcoming events. We are in the process of making plans to enter different national competitions which can utilize and develop our engineering skills. We already have several possible competition ideas and will be making decisions soon and informing our members at our next meeting. Events such as our internship panel, guest speakers, and social events were also discussed and are being planned. We encourage all EE’s and CPE’s to look out for our next meeting flyer so that they can get involved with the competition chosen by the board.
American Institute for Chemical Engineers (AIChE)

The American Institute of Chemical Engineers has had another successful month to follow September’s activities. The long awaited Junior-Senior Football game has been scheduled for November 8th and will likely be at 1:30 pm, just after ChemE classes finish for the day. The juniors have chosen their team name as “Pretty Cool, Pretty Powerful” a funny saying used by Dr. Weinstein in his lecture videos. The seniors were originally planning on having “I’m a SmithCoaster Survivor” shirts, but they decided to go with the more practical name of “Seniors.”

The AIChE conference is scheduled for November 3-8 in San Francisco. We will be sending student members on the weekend so they do not miss any important classes, teachers, however, may be going for longer periods of time.

Society of Women Engineers (SWE)

A select group of members will be attending the fast approaching SWE 2013 Annual conference for Women Engineers in Baltimore, from October 24th-26th. This features many inspiring lectures and workshops led by trail blazing female engineering professionals and conclude with a large career fair. On a different note, others have been busy getting ready for the Society of Women Engineers fashion show on Wednesday, November 6th. Board members will style business casual, business professional, and an array of other looks. In addition, committees were formed to gradually prepare for the network dinner in November. For more information, contact us at villanovaswe@gmail.com. We are still looking for more followers on Facebook under the groups at Villanova, or on twitter at #villanovaSWE. Also, an Instagram account is in the works.

Pi Tau Sigma (Mechanical Engineering Honor Society)

Villanova’s chapter of Pi Tau Sigma has welcomed twenty new members for the 2013-2014 school year. As a mechanical engineering honor society, the organization is founded on leadership and service. Its members are chosen based on sound engineering ability, scholarship, personality and likeliness to succeed in their respective fields (pitausigma.net). In accordance with its mission, Villanova Pi Tau Sigma members tutor undergraduate and graduate engineering students looking for a little extra help. If you would like tutoring help, please feel free to email chapter president Ryan Lester at rleste02@villanova.edu
Engineering Student Council (ESC)

Engineering Student Council has been busy planning a booth for the November Special Olympics Fall Festival. The Freshman Committee is leading the endeavor while the Community Development Committee is planning events for November and December. With the semester in full swing, the Engineering Traditions Committee finalized plans for the Fall '13 Engineering Formal for mid-November. All three committees are looking forward to continuing planning events for the College of Engineering.

Steel Bridge

At this point in the year, our focus has shifted from recruiting to the preliminary design phase. Team members have been drawing on the designs of last year’s top teams, as well as several of Villanova’s past successful bridges. The team’s goal is to have the design completed by the end of the fall semester, so that fabrication can begin in January. As always, anyone interested is more than welcome to join. If interested email Sam Parenteau at sparen02@villanova.edu.

Pi Tau Sigma

Villanova's chapter of Pi Tau Sigma has had a successful semester so far and our members look forward to continuing our tutoring efforts of engineering students. If you would like tutoring help, please feel free to email chapter president Ryan Lester at rleste02@villanova.edu.

National Society of Professional Engineers (VUNSPE)

The Villanova Chapter of NSPE has been invited to attend the Valley Forge Chapter PSPE November Membership Meeting on November 14, 2013. This is a great opportunity for engineers to network with professionals in the Civil Engineering field. Space is limited, so contact NSPE at NSPE@Villanova.edu for more detail and to RSVP. Lastly, VUNSPE wishes all seniors good luck on their FE exam this coming Saturday (10/26).