The American Institute for Aeronautics and Astronautics is looking forward to a great semester. We have enjoyed a trip to the National Air and Space Museum which featured the Space Shuttle Endeavor and the SR 71 Spy Plane. In March we will be attending a tour of Boeing’s facilities which include their 3D Lab, world famous wind tunnel, and V-22 Osprey hull assembly line. If you would like to get involved please contact John Ripple at john.ripple@villanova.edu.

AIChe

AIChe recently put on an event for chemical engineers in which seniors were asked to speak about their internship experience. It also allowed younger chemical engineering students to ask questions about classes, research, and other general ways to get through the chemical engineering curriculum. We plan to follow up this event with a second senior panel in which the panel will be directed towards senior research projects to give juniors a chance to learn about the various research that goes on in the chemical engineering department as well as help them decide a research area they may want to look into senior year. On top of this, AIChe is planning the annual sporting event between the sophomore and junior chemical engineers, which should be in mid-April. Finally, the board is putting together a night in industry where professional engineers will be brought in to have a dinner with students and share their experiences and allow the students to network. This event hopefully will become an event that can be repeated annually as the AIChe chapter tries to enhance the connection with the professional community.

ASCE

ASCE has just received word that we will be having a speaker coming in March to present on some of their current projects. The date he is coming is being finalized in the next week and we will make that information known to all engineers as soon as we have it. We are also currently setting up a Young Members Forum meeting for many of the surrounding colleges ASCE chapters to attend. This will be held in the Villanova Room in late March or early April.

ASME

Villanova’s Chapter of ASME is busy preparing for the election of a new secretary and vice chair. ASME is running a joint event with ISPE. The event is a dinner to be hosted at Widener University where Guy R. Colonna, P.E. will be the speaker. Mr. Colonna is the Division Manager, managing the Industrial and Chemical Engineering department for the National Fire Protection association. He has been with NFPA for 26 years and holds engineering degrees from the US Coast Guard Academy and Stanford University. He is also a registered professional engineer in chemical
engineering in Massachusetts. The topic of his discussion will be the standards for Explosion Prevention Systems. In addition, ASME will be running Jenga using a robotic arm and testing out the newly built trebuchet.

**CHEM-E-CAR**

The Chem-E-Car team has been working hard over the past month trying to get the car running for the competition. After attempting multiple procedures for the iodine clock, we finally have found one that gives consistent results from 5-50 seconds. The stopping reaction team is going to keep diluting the solution to see if we can obtain longer times as well. The driving reaction has run into more problems. After trying multiple metals with hydrochloric acid, the fuel cells do not seem to be getting enough hydrogen to push the motor so an alternate approach is being looked into. Because of this, we have decided to push off competing until next year, but we are going to send some of the students to the competition to try to come up with more ideas and have a feel for the competition. Recently, a new board for the 2013-2014 academic year was elected and a plan set out for the coming months. The plan is to finish the car we are currently working on and also start a second car so that we are always prepared for any problems in future years. The second car will most likely be propelled using a combustion engine or a dry-cell battery.

**CHI EPSILON**

The new officers of Chi Epsilon will be visiting CEE classes after spring break to spread information in regards to their tutoring services. Tutoring sessions before major tests will be held yet anyone interested in 1-on-1 tutoring can contact kspitz01@villanova.edu for assistance.

**ESC**

Engineering Student Council’s latest event, our annual Engineering week, was a great success last week. The highlights of the week included running a dodgeball tournament for the second year in a row as well as hosting guest speakers from Dupont. Engineering week also marked the debut of our ESC t-shirts that featured a new creative design developed by our members. We were very happy to find that the t-shirts were very popular and sold well. Our next major event is our ESC formal, which we are very excited to have only a little over a month away. This semester, we will be opening our formal to all junior and senior engineers and expect it to be a very popular event.

**FORMULA SAE**

Assembly of Nova Racing’s VU05 vehicle is nearing completion. The vehicle is now up on its stands as vital suspension and power train members, including the dampers, a-arms, wheel assemblies, and the engine have been mounted. Unexpected delays have pushed back the team’s goal of having a running car by early March to the middle of the same month. However, a preliminary engine start is scheduled for the first weekend of spring break. This means the intake, throttle body, exhaust, and various plumbing components must be completed before March 2nd. This will require hard work and dedication from all Nova Racing members. For questions regarding our team, our cars, or getting involved, please feel free to contact Souhail Halaby at mhalaby@villanova.edu.

**ISPE**

The Villanova Chapter of International Society for Pharmaceutical Engineers participated in the 2013 ISPE Vendor Expo at Citizen Bank Park on February 13. Villanova students had the opportunity to learn about equipment and products used in the pharmaceutical industry, network with pharmaceutical and ISPE professionals, and enjoy some great food and beverage! We are in the midst of planning a tour of a local pharmaceutical facility later in the spring. The current executive board is also looking for new members for next year. Please contact Tim Henderson, thende02@villanova.edu, or Kirstie MacDonald, kmacdo02@villanova.edu, if you are interested in learning more!
ITE
ITE is looking forward to the second half of the semester! On 2/27, students will visit hot-spot collision intersections in Philly as part of a crash analysis research project with SEPTA. We will be having a short meeting the Thursday after Spring Break 3/14 in John Barry Hall followed by a SYNCHRO software tutorial from Dr. Park. Pizza will be served, and all are welcome. The Regional Traffic Bowl will be held in Annapolis, MD this April - any students interested in joining for this fun roadtrip and regional competition, please contact dchiav01@villanova.edu.

NSBE
The National Society of Black Engineers recently attended a Zone Summit at Lincoln University on Saturday, February 23rd. The Zone Summit provided the opportunity to meet some of the members of the Regional Executive Board and other student chapters in the area. The Summit also included workshops that prepared the members for National Convention taking place next month in Indianapolis, IN. NSBE has also begin to hold study halls where freshmen have the opportunity to receive help from upperclassmen with their courses. Questions, contact us at villanovansbe@gmail.com.

NSPE
The spring FE exam is quickly approaching and many students will be taking the exam on Saturday, April 13th. VUNSPE will be hosting a general body meeting the week after spring break to provide students taking the exam with helpful information and tips. This meeting will include a panel of students who have already taken the exam and who are more than willing to share advice with their peers. Also at this meeting, the elections for the executive board for the 2013-2014 academic year will be discussed. All NSPE student members are eligible to run for a position. Contact nspe@villanova.edu with any questions regarding April FE exam preparation or for more information on how to get more involved in the club!

PEERS
PEERS will continue to hold office hours for anyone who may need help or tutoring in the new semester. We will also be holding several study sessions for freshman courses possibly including Chemistry. In addition, look out for practice sessions on some of the engineering software. If you would like to request special one on one tutoring, please contact us at gmonah02@villanova.edu. In addition, if you would like to request a study session for an entire class, we can try to accommodate.

PI TAU SIGMA
Pi Tau Sigma spent the beginning of spring semester doing organizational things. We will continue our mission to tutor needing engineering students. Pi Tau Sigma will induct new members this semester.

SWE
The Society of Women Engineers held a meeting on Thursday, February 21st. The meeting included a discussion from students about going abroad as an engineer. A senior civil engineer and some other students who have gone abroad spoke about the experiences they had. SWE is also taking part in sending volunteers to spark an interest in STEM for girls who attend the Villa Maria Academy. Other potential events include a Zumba class and SWE t-shirts. Questions, contact us at villanovaswe@gmail.com.

STEEL BRIDGE
The Steel Bridge Team is currently finalizing the design and is beginning the preparation for fabrication. We are currently sending out steel orders and will begin fabrication by the end of the month.

TAU BETA PI
The Villanova Chapter of Tau Beta Pi has inducted it's Fall 2012 class, honoring 20 juniors and 13 seniors for their academic excellence and leadership. The group's focus for the spring will be working closely with Career Services to enhance professional connections for engineering students, as well as preparing for the spring induction class.