CLUB AND ORGANIZATION UPDATES

AIAA

The American Institute of Aeronautics and Astronautics recently voted in its new exec board. In addition we attended a tour of Boeing’s Ridley Park facility which included a hands on experience with the 3D integration lab’s virtual reality, tour of the V-22 and Chinook flight simulators, tour of the V-22 Hull assembly line and finally a tour of their famous wind tunnel. We look forward to finishing out the year with additional activities. If you would like to get involved please email John Ripple at john.ripple@villanova.edu

AIChe

The AIChe Executive Board has been busy preparing mainly for the sophomore and junior event in the spring. Because none of the athletic fields are available, this event will most likely be a chemical engineering barbeque with sand volleyball and basketball competitions between the sophomore and junior classes. The event will allow for enhanced relationships between the chemical engineering classes as well as the competitive aspect in the sports games. The Board is also working on elections for the AIChe Executive Board for the 2013-2014 academic year while also adding additional members to replace the graduating seniors. Finally, AIChe is looking for possible events or stress busters to finish off the year.

ASCE

We are also excited to announce that on April 19th some members from the regional ASCE chapter will be coming to Villanova to host a Young Member Forum for all Villanova University students and of the surrounding universities ASCE chapters. We hope to see all those who are interested in networking with other universities as well as professionals from many civil engineering disciplines.

ASME

The Philadelphia section of ASME is holding the annual awards dinner on April 23 at Pepper’s Italian Restaurant in KOP. Our speaker for the evening is Thomas Yezerski, the author of “Meadowlands: A Wetlands Survival Story”. Also, the time of the year has come for us to attend our Student Professionalism Development Conference! The conference includes a Technical Poster Competition, Web Page Competition, and Oral Presentation Competition. This gives Villanova's chapter of ASME the chance to win $500 and a trip to compete in the Interna-
tional Mechanical Engineering Congress and Exposition which has a grand prize of $2000! On campus ASME is hosting study groups and guest speakers and is in the process of integrating new board members into the club.

CHEM-E-CAR
The Chem-E-Car team is preparing for the trip to Rutgers University for the regional competition soon after spring break. Although we will not be competing, we will be watching the competition and brainstorming ideas for future years. The team is still working on a successful method for hydrogen generation and possibly storage before inputting into the fuel cells. Other than that, the car is built and the iodine clock has achieved stopping times up to 7 minutes. Therefore, the end of the year will be spent finishing up the car, obtaining more data for the iodine clock reaction, and brainstorming for a second car next year. We are currently looking to add members, mainly chemical engineers, but other students would also be welcome. Next year we hope to have one car running full time, which will be ready to compete in the regional competition next spring as well as a second car being built based on either a combustion engine or man-made battery for future years.

ESC
Engineering Student Council is very excited to be putting on one of our biggest events of the semester, our Engineering Formal, which will be held next week on Wednesday April 17th. This event is always one of our most popular and we are very pleased to have already sold a large number of tickets to engineering seniors, juniors, and ESC members. Due to the popularity of our t-shirt sales during engineering week, ESC also recently had another week of sales in order to meet demand. We were very happy that the engineering student body enjoyed the design of this year’s t-shirt. Lastly, ESC is planning a few events to close out the semester including a volleyball bonding event and an end of the semester BBQ in which our members get to say goodbye to those that are graduating.

FORMULA SAE
Assembly of Nova Racing’s VI05 vehicle has been completed. Although VI05 is far from being competition ready, the team has met its goal of having a running car in March. This will allow the team to participate in at least one SCCA event, and have 8 full days of testing on every weekend before leaving for competition in Brooklyn, Michigan on May 7th. Testing of VI05 will take place primarily on Main Lot, giving the team a chance to collect data and tune the vehicle before competition. Nova Racing also plans on resurrecting last year’s VI04 vehicle as a test mule for new technology and give the team a chance to use their newly acquired data acquisition systems. For questions regarding our team, our cars, or getting involved, please feel free to contact Souhail Halaby at mhalaby@villanova.edu.

ITE
On April 25, Villanova’s Institute of Transportation Engineers will travel to Annapolis, MD to compete in the annual ITE Mid Colonial Section Conference’s Student Traffic Bowl. We are looking forward to watching our club treasurer, Diana Chiavetta, present her research project - a pedestrian safety analysis of Philadelphia - at the ITE Conference! Anyone interested in getting more involved with ITE next year should contact Sean Walsh (swalsh07@villanova.edu).

NOVA CANE
In the past month the structures club presented a lesson in energy and energy absorption and had the 6th grade students construct a "vehicle" to minimize the impact energy on an egg dropped from 2-3 stories. To finish up the academic year, the structures group will help the students construct concrete cylinders then bring all the 6th grade participants to Villanova for a day of fun activities including testing of the cylinders each group of students constructed.

Dr. Dinehart visited Malvern Preparatory School, and Augustinian school in Malvern PA and taught the 6th graders about the seismic response of structures. The future engineers built two story gingerbread houses and tested them on a shake-table. All tested homes were devoured by the participants.
This past month the Green Group visited both SMOT and Villa Maria to present on the importance of clean water and how water filtration works. A candy filtration lab was then performed to stimulate the process. Also, the Villa Maria girls looked into chemical reactions by making slime. This project will be repeated at SMOT this month. At Villa we will be investigating some of the sustainable practices already in place.

The ME/ECE group made a sound-controlled burglar alarm system in which a few objects were displaced and the kids had to learn to use a circuit board to replace objects such as resistors, capacitors, a light source, etc in one lesson. The idea was that during the day nothing would occur but at night (once you covered the light sensor), if a button was pressed (the equivalence of a window being broken into) a light would go on and an alarm would go off playing music. In another lesson, the students were asked to build a tennis racket that would be able to hit a ping pong ball that had been covered in Velcro toward a target. The next trip will focus on a lesson that will allow students to work with fuel cell or solar powered cars.

NSBE
The National Society of Black Engineers sent 13 members to Indianapolis, IN for the 39th Annual NSBE Convention. Members hope to gain new experiences through workshops and networking with an endless range of professions. On April 3rd, 2013 elections were held for the executive board for the 2013-2014 school year. NSBE will continue to hold weekly study halls and will have a dinner to celebrate the end of the semester. Questions, contact us at villanovansbe@gmail.com.

VUNSPES
VUNSPES held their second General Body meeting on March 18th and provided students with helpful tips for taking the spring FE exam. The spring FE exam is quickly approaching and many students will be taking the exam on Saturday, April 13th. Coming up soon for VUNSPES will be the elections for the executive board for the 2013-2014 academic year. The application forms are due to Dr. Staffeld at peter.staffeld@villanova.edu by April 8th and elections will take place from April 10th to April 17th. 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! Good luck to all of the members who will be taking the FE exam this month, and good luck to all of the members who will be running for an executive position!

TEES

PI TAU SIGMA
Pi Tau Sigma will be ending the year by inducting a host of new members. The addition of these new members will add to the prestige and integrity of the club. It has been a great school year!

PEERS
PEERS will continue to hold office hours for anyone who may need help or tutoring through the end of the semester. We also would like to announce the elections of our new exec board! We will now be holding interviews for the new applicants for next year. If you would like to request special one on one tutoring, please contact us at gmonah02@villanova.edu. We will also be available during finals week to help with any issues.

SWE
Members of SWE have been making trips to the Villa Maria Academy to introduce middle school girls to engineering through experiments. Be on the look for an upcoming meeting for elections of next year’s officers. If you have any questions or would like to be added to our email list, contact us at villanovaswe@gmail.com.

STEEL BRIDGE
The Steel Bridge Team is currently in the final stage of fabrication. We will be competing in the regional competition on Sunday April 21st at University of Pittsburgh Johnstown. We look to win and qualify for nationals.

TAU BETA PI
The Villanova Chapter of the Tau Beta Pi honors society has just completed applications for next year's executive board and is preparing to hold elections. We are also continuing to enhance our society’s alumni network and have begun preparing to honor seniors at graduation through official TBP stoles.