American Institute of Chemical Engineers (AIChe)

This past month AIChe hosted a guest speaker, Suzette Schultz, from AstraZeneca who spoke about “Top Ten Things You Didn’t Learn in College”. Suzette Schultz is an experienced and accomplished woman who has been working in the pharmaceutical industry her entire career. She provided helpful and insightful tips for us to use both in and outside the workplace to have a successful career. It was nice to hear that soft skills are just as important as the technical skills that we learn in the classroom here at Villanova. Our next meeting will be on Wednesday March 30th, details to follow! TO ALL JUNIOR AND SENIOR CHEMICAL ENGINEERS: the annual AIChe football game will be on April 6th so please mark this in your calendars and come out for a great game!

American Society of Civil Engineers (ASCE)

ASCE’s Concrete Canoe Team has been working hard to advance the next steps of constructing the canoe. Earlier in the semester, the team ordered materials for the concrete mix design. With new donations of additional materials, the Concrete Canoe Team will soon begin testing different mix designs. Additionally, the hull design team has ordered the foam mold which will be used later in the semester to create the canoe’s foam hull. The team is looking forward to developing the final product as much as possible throughout the semester in order to be ahead of the game when continuing into next year’s competition. While Villanova’s Concrete Canoe Team will not be competing in this year’s regional competition, we look forward to attending the regional competition at Drexel University in April to learn more about the what the competition is like and how we could improve our canoe next year. ASCE would also like to congratulate and thank Dan Gershkowitz, who will be the Concrete Canoe Team’s new Project Manager in the Fall! If anybody is interested in attending the regional concrete canoe competition at Drexel University in April, please email Megan Clarke at mclark26@villanova.edu.
Institute of Transportation Engineers (ITE)

The Institute of Transportation Engineers is looking forward to having two guest speakers in the transportation engineering field come give presentations throughout the month of March. These are great opportunities for professional development and networking. The ITE is also preparing some of its members to compete in the annual traffic bowl that will be held in Delaware on April 18th. If you have any questions about how to get involved or what opportunities exist in the transportation engineering field here at Villanova, email Miles Devine (mdevine8@villanova.edu).

Formula SAE

With competition less than 60 days away, the team has been busy finishing up the final components of the car and preparing for competition. This past month the cockpit of the car was completed and composites team has begun to work on the body of the car. The team also submitted the design report and spec sheet which will determine where the team is placed for the design presentation at competition. As the car is almost complete, the team has officially moved into the testing and tuning phase and has begun to verify and validate all systems on the car.

Eta Kappa Nu (HKN)

Just before the break, HKN and IEEE teamed up again to bring back the popular Fireside Chats. The laid-back question-and-answer session between upper and underclassmen is becoming a staple: Did you miss out? Not to worry, the Fireside Chat will return in the Fall! HKN is currently working on putting together a coding competition for the end of March. Be on the lookout for more information! Not familiar with how to code? No problem! We're planning on making it accessible to novice coders!
Steel Bridge

This month, the Steel Bridge Team continued the process of building the bridge as more material came into the lab. After completing the design last month, steel was ordered and delivered to the lab over the last two weeks. The team has been working vigorously to complete the bridge before the second week of April, and this date is beginning to look realistic. We are currently working on the arch members of the bridge, and should be done with the deck members over the next week or two. With the competition coming soon, we are hoping to have a completed bridge that will compete for Nationals.

Society of Hispanic Professional Engineers (SHPE)

SHPE is a new organization on campus and is continuously looking for new members to join the organization. Last semester, two members were able to attend the national conference in Baltimore during which they were able to engage in networking with companies for engineering internship opportunities, meet other university chapters and attend workshops. Moving forward, the club has planned a joint networking event with Drexel and UPenn chapters meet members of the national organization in April. We are also working together to plan professional development event, Salsa Night and “Noche de Ciencias” or a Night of Science” as an outreach event to host a night of fun with younger students! Don’t miss out on the great opportunities that SHPE has to offer and if you are interested in SHPE and would like further information feel free to contact the president, Janine Rosario at jrosario5@villanova.edu.

Pi Tau Sigma

Pi Tau Sigma is The National Mechanical Engineering Honor Society. Here at Villanova, our chapter offers tutoring to undergraduate mechanical engineering students. If you would like additional help with your coursework or have questions about becoming a member please contact Lindsay Ellerthorpe, at lellerth@villanova.edu to set up a meeting time with one of our members.
Tau Beta Pi

Tau Beta Pi had a successful month of February and is looking forward to March! TechGirlz came to campus and taught middle school girls about cryptography. Villanova is looking forward to hosting some more events this year and is looking for volunteers for a TechGirlz summer camp in June. Please contact efossace@villanova.edu for more details!

This month Tau Beta Pi will be planning the elections of its new officers as senior members graduate Villanova. TBP in conjunction with ESC gave out free pie in the lobby of CEER for Pi Day!

Society of Women Engineers (SWE)

Villanova’s Society of Women Engineers visited The Agnes Irwin School on February 25th for Introduce a Girl to Engineering Day. Students ranging from first to fourth grade were able to go to different stations that highlighted different disciplines. On April 2nd we will be volunteering at Engineering is for Girls! Day. This is a day, run by the Mechanical Engineering department, which includes on-campus engineering activities for both Girl Scouts and girls from a local partner school. We will also be holding a study session the week of March 14th. Stay tuned for more information by following us on Facebook under the Groups at Villanova, or on Twitter and Instagram @villanovaSWE. For additional information regarding Villanova’s Society of Women Engineers contact us at villanova-swe@gmail.com.

American Institute of Aeronautics and Astronautics (AIAA)

On Thursday, February 25th, AIAA went to Boeing where we presented our completed quad-copter at Boeing’s Engineering Week Fair. We also got a tour of Boeing’s Composite Materials Center at their Ridley Park location. Right now, AIAA is gearing up for the rocket launch competition to be held on Saturday, April 9th. For more information, contact the president, John Coppa, at jcop-pa@villanova.edu.
American Society of Mechanical Engineers (ASME)

This month, ASME is proud to host Scott Lindsay, speaking on The Restoration of Norfolk and Western Railroad Steam Engine on March 15 from 6:30-8:00 in Tollenite 215. Dinner will be provided and it is FREE for students who register ahead of time in the following link. REGISTRATION ENDS MARCH 13. You are welcome to attend if you haven’t signed up - just don’t come until 7 which is after dinner. Mechanical and Civil Engineers are strongly encouraged to attend and all majors are welcome. This event is PD APPROVED.

PEERS

As the freshmen worked on their second mini-projects, the CEER PEERS had been helping answer new questions. We are still offering help with chemistry and physics, so look for information regarding review sessions. We enjoy seeing new faces, so feel free to stop by the office during the posted hours and a PEER will be there to help with any questions. Applications for new PEERs will be coming out soon, so stay tuned for more info!

Structural Engineering Association of Pennsylvania (SEA0P)

The SEAO is still a relatively new club on campus, and is actively looking for new members to fill its executive positions. Last year, the club hosted two guest lecturers who spoke to students about different aspects of structural engineering and the different projects that they were involved in. This year, the club hopes to host more guest lecturers, and also have a career development event. This event would serve as both a chance for students to network with local structural engineering firms, and also get critiqued on their résumé and interviewing skills.

If you are interested in joining the SEAO or would like to learn more about the club and its mission, contact the club president Matt Mancini (mmancin3@villanova.edu) or the club advisor Dr. Frank Hampton (francis.hampton@villanova.edu).

NovaCANE

NovaCANE enjoyed our trip with AECOM engineers and is continuing to work with our schools. For more information email Vhenck@villanova.edu.
EWB - Villanova Engineering Service Learning (VESL) Student Projects

EWB/VESL returned from a busy spring break with trips to Panama, Nicaragua, Ghana, and Madagascar. All four of the trips worked extensively with water systems in the partner communities, trying to address the unique challenges of providing sustainable water systems in the context of developing communities. Project work ranged from well assessment and water system design to water quality testing. Following the break trips, teams will be busy finishing up project work for the year with on campus meetings. For more information on any of the projects or if you would like to become involved, please contact Marissa Cucinotta at mcucinot@villanova.edu or Seth Bryant at sbry-

National Society of Professional Engineers (NSPE)

NSPE held its 4th Annual Networking Dinner at the beginning of February, which had many students and professionals in attendance including members of the local Valley Forge Chapter as well as the Pennsylvania Society of Professional Engineers. Professor Zeyn Uzman was our keynote speaker and discussed methods of ensuring your PE license doesn't get stolen. Coming back from break, we will now be shifting focus towards the Order of the Engineer Ring Ceremony for graduating Senior Engineers and any other Graduate Students or Professors with Engineering Degrees. More details to come.

National Society of Black Engineers (NSBE)

In the month of February, NSBE has worked specifically with its NSBE Jr. counterparts to make sure that the high school students are working towards their goal of a working robot for a high school competition. Also, Villanova students participated in a Danger Zone summit, which included local NSBE chapters in the Philadelphia area. This summit occurred in Lehigh University at the end of February, and students participated in professional development workshops. NSBE had a general body meeting Monday, March 14, which is the start of NSBE Week. WE will be traveling to Boston for the National Convention during Easter Break.
This past month Engineering Student Council put on an incredible Engineering Week consisting of lots of fun games and prizes, so thank you to everyone who came out! The winners for the candy guessing game were Lauren Henderson, Matt Tucker, Brian Kim, James Zember and Gillian Krautman. The winning quizzo team was made up of Michael McHale, Ryan DeMara, Michael Dino, and John Coopa. Those who won the raffle for the Easter egg hunt were Mark Carey, Carmen Reynolds, Cassidy Grinsell, Bridget Gile, and Rebecca Connolly. Congrats to all of our winners, and a special thank you to the E-Week committee and all of their planning! In new news, ESC hosted pie making on Sunday March 13th in St. Mary’s dining hall after close, and in honor of Pi Day on March 14th, there was free pie in CEER.

Chi Epsilon

Chi Epsilon, Villanova’s civil engineering honors society, is in the process of selecting new members of the junior class and is excited for the upcoming initiation ceremony that is to take place in early April. We are currently planning a volunteer trip to a local school and have been continuing to tutor the underclassmen civil engineers on campus. A flyer was sent out by Ms. DeAngelis listing the main contacts to reach out to for each course. Please contact Zack Wagner (zwagner@villanova.edu) with any questions or for help with Steel Design, Billy Gordon (wgordon1@villanova.edu) for Mechanics I, II, and III, Mike Syslo (msyslo@villanova.edu)

Chem-E Car

The ChemE Car Team has made significant progress in the last month. We have successfully applied for the competition in early April, marking the first time the team has done so in recent memory. Now that the application process is done, the team is working on finalizing all the different aspects of the car. The first part of this is to attach stopping reaction to the rest of the vehicle. Once this is complete, the car will be tested to assure that it is functioning as expected, and to assure that the team will not only make it to competition but excel there. The team is very excited for the competition which is one month away, and has high expectations.
The IEEE Chapter has continued with its momentum of successful activities. We kicked off the 2nd Annual SumoBot Competition and the teams are excited to master varying skills from soldering to coding. IEEE cohosted an Arduino Workshop on Friday, 3/11, with the Entrepreneurship program. Then there will be an Arduino Hackathon on Friday, 3/18. We also "took over" the NovaEngineer Instagram account for a week, so be sure to go like our pictures from 2/15 -2/19. In addition, we co-hosted our Fireside Chats 2.0 peer mentoring night with HKN and helped underclassmen choose their disciplines. We hosted a very successful Social Night with Philly-area IEEE Chapters. Students from Drexel, Temple, and Rowan came to network and socialize over catered burritos, video games, board games, and even a little basketball. We co-hosted a Lockheed Martin engineering director with the CS Department. Everyone enjoyed getting a greater understanding of all that Lockheed does and building up their professional network. We hosted an amazeballs bake sale for E-Week. Finally, we are now selling our hip Villanova IEEE T-Shirt for $15. The design has been well received and it’s sure to sellout, so grab yours soon! Yea we like to keep busy and serve our members well... :-) IEEE will continue to have our weekly study hours (with snacks!) on Mondays from 7pm to 9pm, and will host an engineering director from Northrop Grumman, amongst many other activities. We encourage everyone to join by emailing us, Villanova-IEEE@gmail.com.