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CEER Inquirer
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American Institute of Chemical Engineers (AIChE)

The American Institute of Chemical Engineers (AIChE) at Villanova is a club dedicated to assisting Chemical Engineers. AIChE at Villanova hosts guest speakers, organizes events, and promotes networking opportunities. This year, AIChE has planned several events, including a trip to a local chemical plant and a guest lecture by an industry expert.

American Society of Civil Engineers (ASCE)

This October, ASCE hosted their first guest speaker from Michael Baker International, a full-service design and engineering firm. The speaker discussed the importance of sustainability in engineering projects and presented case studies of successful sustainability initiatives. The event was well-received, with many attendees expressing interest in learning more about sustainability in the engineering field.

American Institute of Aeronautics and Astronautics (AIAA)

AIAA has begun working on their remote-controlled airplane project, which will be presented at the AIAA conference in San Francisco. The project aims to design and develop a small, remotely controlled airplane that can perform aerobatics. The team will also present their design at the conference, and attendees will have the opportunity to see their work in action.

Back to Home
Eta Kappa Nu has been holding tutoring hours for undergraduates in Electrical and Computer Engineering courses. We have teamed up with IEEE to host a fireside chat to help freshmen with any questions they may have about registering for classes next year.

This month, Chi Epsilon has been successfully participating in tutoring for civil engineering students. We have begun planning a school visit to encourage interest in engineering for high school students.

Chi Epsilon

American Society of Mechanical Engineers (ASME)

This November, ASME is excited to host Carl Zueben, Ph.D., an award-winning consultant with over 45 years of experience in composite material technology. Zueben's presentation will explore the development of advanced composites in the field. This event, "String and Glue: Fifty Years in Composites," will be held on Wednesday, 11/16/16 in Wemple 216 from 6:30pm. To register, please contact Aaron Wemhoff at awemhoff@aero.wisc.edu.
Institute for Electrical and Electronics Engineers (IEEE)

IEEE (Institute for electrical and electronics engineers) has continued to have great success in the year so far. Early on in the month we hosted a professional networking event with Lockheed Martin that was a huge success. Later on in the month we also hosted a 3-d printing workshop that allowed participants to print their own items! IEEE has also continued its weekly study hours meetings (Mondays 7-8:30pm in Vasey 201). In the near future IEEE is going to be hosting a halloween themed soldering workshop (on Halloween day, and with Lockheed Martin in attendance)! If you wish to join, please contact us at villanovaiee@gmail.com

Institute of Transportation Engineers (ITE)

ITE looks forward to hosting several guest speakers before the end of the semester, including representatives from SEPTA and local engineering firms who will give talks on various infrastructure projects and their professional advice. As an organization, we have luckily been able to pair our interested members with many professors for research opportunities and hope to continue to utilize our professional network and alumni relationships to assist student members with finding the right academic and career path for them. Look out for more ITE events this semester!

National Society of Black Engineers (NSBE)

The Villanova Chapter of the National Society of Black Engineers has just returned from our Fall Zone Summit. It was hosted at Lincoln University, the first HBCU. We also had a visit from our NSBE Jr. Chapter and are excited to continue mentoring and teaching them about the exciting opportunities within engineering. We are currently preparing to travel to the Fall Regional Conference in Norfolk, VA where students will have the opportunity to interact with employers, graduate schools, and engineers from other universities. We are excited to say that the Philadelphia Professional Chapter will be hosting their meeting at Villanova this month also!

If you have any questions about how you can get involved with any of these activities feel free to reach out to me at jones32@villanova.edu
VUNSPE has been busy preparing for our panel discussion for the Fundamentals of Engineering (FE) exam in November - more details to come! Our executive board is excited for Special Olympics in the beginning of November. We will be hosting a booth in O-Town and hope to see everyone there!

Pi Tau Sigma

Pi Tau Sigma has been working with Dr. Stephen Jones to organize and plan upperclass student tutoring. Pi Tau Sigma Members continue to make themselves available for private ME tutoring upon request.

For the first time, SHPE is sponsoring three of its members to attend the National Conference from November 2nd - November 6th in Seattle, Washington. This conference invites all SHPE members across the nation to attend a career fair, participate in professional development workshops and network with other SHPE members. We are also beginning to plan our main Spring event “Noche de Ciencias”, which is a national initiative and a day of fun activities and workshops to promote interest in STEM to Hispanic high school students. The event is open to all Villanova student participation! If you would like to be on the planning committee please contact Janine Rosario via email at jrosari5@villanova.edu.
Society of Women Engineers (SWE)

Villanova SWE has been busy preparing for the Society Conference, WE16, being held at the Pennsylvania Convention Center in Philadelphia on October 27th-29th. We will be sending approximately 20 of our women engineers to this conference where they will attend the career fair, participate in networking events, and attend informative sessions geared towards women in engineering!

Invitations have been sent out for our annual Networking Dinner! It is being held on November 16th at 5:30 PM in the Villanova Room. Those interested in attending the dinner can RSVP to villonovaswe@gmail.com. We hope to see you there!

Structural Engineering Association of Pennsylvania (SEAoP)

The SEAoP continues to pursue academic endeavors in the practice of Structural Engineering in Pennsylvania and to provide a unified voice for Structural Engineers across the Commonwealth. Still a relatively new club on campus, SEAoP is actively looking for new members to fill its executive positions. We are looking to host guest lecturers to speak to students about different aspects of structural engineering and the different projects that they were involved in. We are also looking to host a professional development event so members can get critiqued on their résumé and interviewing skills. If you are interested in joining the SEAoP or would like to learn more about the club and its mission, feel free to contact the club president Steven Daniels (sdaniel4@villanova.edu)

Tau Beta Pi

Villanova's chapter of Tau Beta Pi attended the organization's annual national convention over fall break. This year, the convention took place in San Diego, CA. We return from the convention with a greater understanding for how to engage our club's members. We are also in the process of preparing our newest initiate class.
The PEERS office just added a new feature. There is now a white board explaining what the PEERS can help you with. So, if you ever felt awkward or afraid to ask for help—DON’T if its on the board, the tutor should be able to help. We, as an organization have also been involved in the colleges new tutoring initiative. The PEERS office is now open at night so that students have even more of an opportunity to find help.

The ChemE car team has decided to begin researching and designing a pressure reaction to power the car at competition. With several months to go, we are going to start testing multiple reactions based upon past year's accomplishments to see which reaction we would like to design our car around.

This month ESC had its first full body meeting to learn more about upcoming events and to meet the members of the organization. The Community Development Committee has been planning a Donuts with the Dean event for the engineering school. The Engineering Traditions Committee is brainstorming an activity that can be used for the SpO booth in O-Town. The Freshmen Committee sold T-Shirts last week and is coming up with different bonding ideas for ESC.
Prior to Fall Break, members were very busy with various projects for the semester. Our focus for the past month has been on STEM program ideas for students, both with local schools and those in the project countries. With those groups who travelled over the break to Ghana and Nicaragua now back on campus, the focus for the students is on analyzing the data from the trips and organizing it into a refined deliverable for the semester. With the trips’ focus on surveying families and water systems, a good summary of the trip results is necessary to continue work on the projects into the year during our biweekly meetings. Meanwhile, the Winter trips to Cambodia, Panama, and India are continuing in planning and other details for the end of the semester. For more information on the ongoing projects and how to be involved on campus, contact the current EWB co-presidents, Sam Schafer, at sschafer2@villanova.edu, or Evan Kurt, at ekurt@villanova.edu.

Over the past month, the NovaRacing team has been busy wrapping up the vehicle designs for VU09 and preparing to begin manufacturing. This has not been without its difficulties due to the large scale design changes made from the previous car VU08. However, the team is working overtime to get the designs ready for design freeze later this month. Anyone considering joining should definitely come down to the garage and see if anything we do interests you. This month is a great time to get introduced to the team and what we do because you will be able to get involved and get your hands dirty. Whether it is machining you are interested in, wiring electronics or even 3D modeling, the team encourages you to either reach out to them or go down to the garage in CEER and introduce yourself, as there will be plenty to do. In other news, the team has been officially registered for the FSAE Michigan Competition as car #22. This competition is the main event for the NovaRacing team and all eyes are on the clock with under 200 days left before the finished product, VU09, will make its appearance at Michigan International Speedway. It seems far away now, but the team has a tight schedule to keep before they will be ready to compete. Finally, NovaRacing would like to thank Kranda for sponsoring the team. Kranda will be assisting in manufacturing many of the cars parts with their extensive water jet and laser cutting expertise as well as giving some individual components.

NovaCANE is continuing to visit middle schools and do projects with them. We’re looking forward to our upcoming trips where we will be testing gingerbread houses on a shake plate. Any questions email vhenck@villanova.edu.
The Steel Bridge Team has been continuing the design process for their bridge. The bridge type has been finalized and modelling the bridge in STAAD and AutoCAD are close to being finished.