

# Student Engineers' Council at Virginia Tech

2012-2013

## HIGH- LIGHTS

- Largest Student Run Career Fair on the East Coast
- E-Week Initiatives with General Electric

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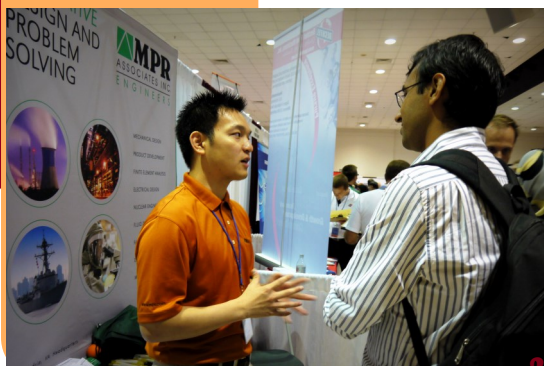
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## Engineering Expo Huge Success!



Expo Chair Ben Drew (above left) and advisor Brian Keller (above right) were instrumental in the success of the event.

The 33rd annual Engineering Exposition, led by Expo Chair Ben Drew (above), was a tremendous success! The annual exposition, which is the second largest student-run career fair in North America, and the largest on the east coast, was attended by over 5000 students! Expo was a sell-out event, with 273 companies in attendance. Through the company representatives, students were exposed to incredible job opportunities and internship experiences.



*For information on the  
2013 VT Expo, please visit  
[expo.sec.vt.edu](http://expo.sec.vt.edu) or email  
[expo@vt.edu](mailto:expo@vt.edu)*

# VT Celebrates E-Week!



2013 Engineers Week

[www.eweek.org](http://www.eweek.org)

***“Imagination  
plus  
innovation  
equals  
realization.”  
-Denis Waitley***

Virginia Tech engineering students participated in the annual Engineers' Week, held during the Spring of 2013. E-week, for short, is an international celebration of engineers. The purpose of E-Week is to “reach, respect, and recognize” engineers in order to help solve the most pressing issues of our time ([eweek.org](http://eweek.org)). Both engineers and non-engineers participated in the celebration. The week included a tower-building competition using only straws and tape. **Lucas Jones**, E-week coordinator, headed up a new event with General Electric executives. A panel of GE executives graciously participated in a question and answer session with over 100 engineering students. Topics discussed included graduate school,, resume and interviewing tips, and how to passionately pursue dreams. The SEC wishes to thank General Electric for providing Virginia Tech engineering students with such a wonderful opportunity.



**Thank you, General Electric!**



# Philanthropy

The mission of the Student Engineers' Council is to provide its students with as many opportunities as possible. As part of this mission, the Design Team Endowment funds and Slush funds are designated to support engineering design teams and societies during their endeavors during the semester. Pictured are a few of the societies and design teams that were sponsored this semester by the SEC. The SEC is very proud of all of the accomplishments of the teams!



The Hybrid Electric Vehicle Team (left) won first place in the final year of the three-year EcoCAR competition sponsored by GM and the Department of Energy. The competition vehicle, referred to as the VT<sub>REX</sub> (Virginia Tech Range Extended Crossover), achieved a fuel economy of 82 mpg (gasoline equivalent). The team is now a part of the EcoCAR2 competition which is also sponsored by GM and the Department of Energy, and we hope to repeat the success experienced in EcoCAR.

The Society of Women Engineers (below) started off the Fall semester with a bang! SWE's semester kicked off with its general body meeting, followed by the annual Engineering Expo Fashion Show. Freshmen interested in all engineering majors were treated to the "dos and don'ts" of career fair wear, as well as given the opportunity to have their resumes reviewed by a panel of speakers. SWE was also the host of a graduate student panel for students interested in pursuing a post-graduate degree, and helped prepare freshmen for their first tests with a study skills workshop.



Left, the VT-GSO (Geotechnical Students Organization) is pictured at Wolf Creek Dam in Kentucky a couple of weeks ago. The dam is one of the highest-priority dams for rehabilitation in the U.S., and currently the U.S. Army Corps of Engineers is finishing a major phase of the rehabilitation by drilling and grouting beneath the foundation.



Impact Modeling Project and Crash Team (IMPACT) is working to develop a numerical simulation of aircraft crashes to better improve the safety of passengers.

Bridges to Prosperity (below) at Virginia Tech just completed their project located in Ti Peligre, Haiti. By having a footbridge, over 1000 residents of Ti Peligre now have unlimited access to their basic needs during the raining season, which could be up to six months per year. Basic needs met by this bridge include markets, medical care, and educational facilities.

The Virginia Tech Atmospheric Teaching Experiment (VTATE) was created in September 2011 with the purpose of educating elementary school students about the atmosphere with an emphasis on STEM disciplines through a weather balloon launch. The VTATE-1 balloon will carry various atmospheric sensors and cameras for a March 2012 launch. The team is currently in the design phase and is in the process of approaching several local elementary schools to form partnerships.

**Philanthropy is one of the biggest components of the Student Engineers' Council.**

## Interested in becoming a Sponsor?

The Student Engineers' Council is extremely excited about their new sponsorship program. If you are interested in becoming a part of this organization, we would love to talk to you! Please contact Ashley Taylor at [ashleyt1@vt.edu](mailto:ashleyt1@vt.edu) for more information.





## Student Engineers' Council at Virginia Tech

Student Engineers' Council

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The Student Engineers' Council (SEC) is an organization that serves the Virginia Tech College of Engineering, its engineering societies, and its students. Throughout the year, the SEC performs many functions, from running Virginia Tech's largest career fair to distributing thousands of dollars in philanthropic contributions to various parts of the College of Engineering.

There are many reasons to become an active member of the Student Engineers' Council. For individuals, the SEC offers opportunities to gain leadership experience through involvement in organizing and running major College of Engineering events, as well as through a variety of Council positions. It also provides an arena in which students may contribute ideas to debates over fund distribution, and a chance to be a participant in an organization that is locally and nationally recognized for its work and philanthropy. The SEC helps foster a social network for students from all engineering disciplines and organizes events such as E-week, Engineering Expo, and the Leadership in Engineering Conference.

## 2012-2013 Board

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**To get involved, or for more information,  
contact Ben Clark at [tbclark92@gmail.com](mailto:tbclark92@gmail.com)**