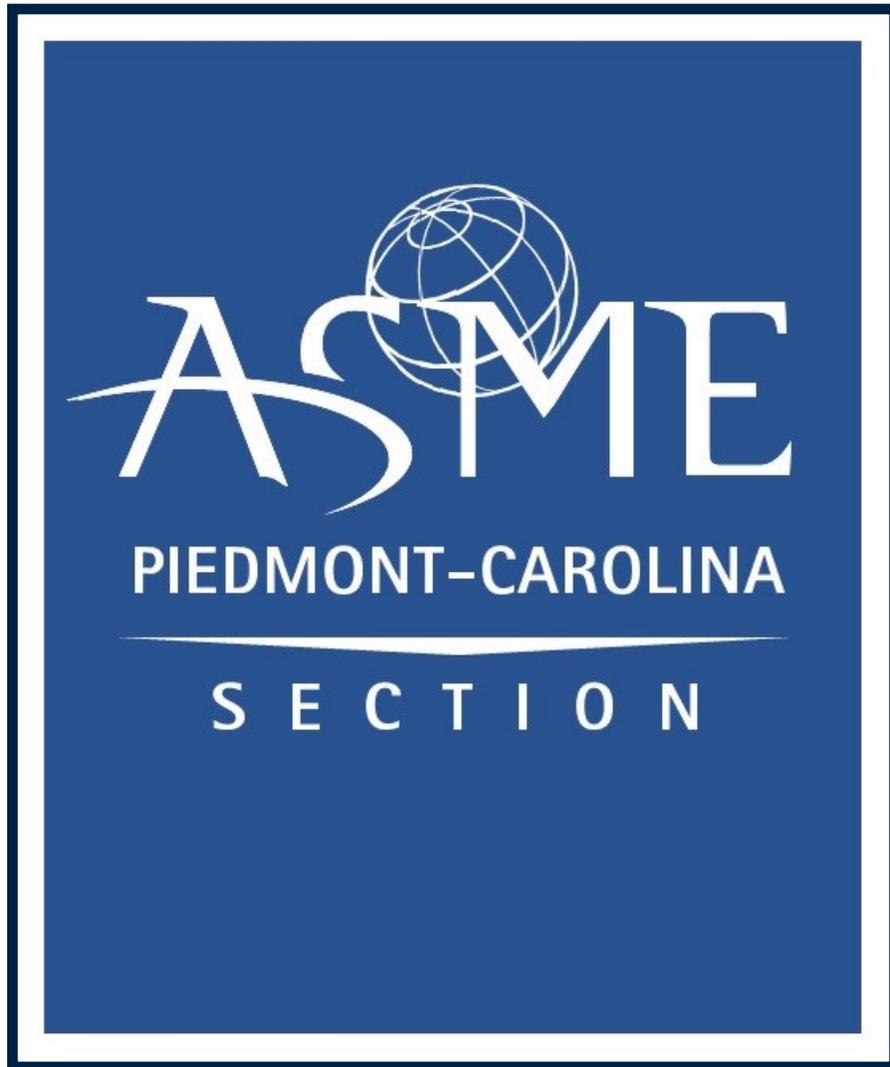


Dinner Events and Plant Tours of 2013 - 2014 Calendar Year



Presented by: Programs Committee

2013 - 2014

Saturday, June 7th 7 P.M.

**ASME Family Night at BB&T Ballpark
Home of the Charlotte Knights, AAA affiliate of the Chicago White Sox.
Opponent, Columbus (Ohio) Clippers, AAA affiliate of the Cleveland Indians**

Thursday, April 17th. 2014

“How can ethics undermine your professionalism and reputation?”



Jim Deupree was the speaker at the Piedmont-Carolina Section’s regularly scheduled monthly meeting at Pfeiffer University in Charlotte. Jim presented the group with the perspectives on the impact that ethics and the lack thereof can have on engineers, the companies for which they work, and the society in which they live. He provided effective reminders of the ethical lapses at a number of engineering companies that had severe ramifications – financial, criminal, and at times, fatal. As most of his career has revolved around helping top executives learn from the ethical mistakes of others (and sometimes those of their own), he was able to demonstrate how and why even companies with comprehensive ethics programs can host egregious ethics lapses. During Jim’s presentation, he engaged the group in a spirited give-and-take – illustrating the point that even while the consequences of unethical behavior can (and often are) quite devastating, the process of ensuring (or even defining) ethical behavior is not as obvious as engineers might like to believe.

March 20th, 2014

How Sustainability Drives DuPont...and Vice Versa



Phil Jones of ASME introduces speaker



Ed Hardin Chair of AICHe



Speaker Bill Bailey

Joint Dinner Event with ASME Sr. Section and AICHe was well attended by both Sections. The speaker, Bill Bailey with DuPont presented the topic “How Sustainability Drives DuPont...and Vice Versa.” The birth of the concept and how Senior Management bought into the concept as well how the implementation and rewards appealed to both sections. Interesting questions from both societies, great accommodations and food made for an excellent Event.

February 20th, 2014

CRP USA, LLC



3D Printing, from the Race Track to Orbit.

Our Speaker was Stewart Davis Principal & Director of Operations at CRP USA



This Dinner Event was well attended by Members and several guest. Our Speaker brought a table full of various parts which were made with the new 3D printing process. Many were specifically made for various NASCAR applications as well as the Aerospace industry. The materials varied and that seems to be where the technical aspect of 3D printing is going now that the concept and process is defined. We also presented a check to the Engineering Camp Charlotte which has its first for Charlotte this year.

January 16th, 2014



Advanced Biotech Equipment Development and Applications



Senior Members were joined by several Guest and High School Seniors at the January 16th Dinner Event. The Speaker was Michael Collins, Jr., Director of Marketing and Product Development for CEM Corporation. Mike took the group through a background of his company, product lines and then into the industries which they serve which are varied, not just pharmaceutical. He talked about the process they use in product development, working in Teams who have team ownership of a product and how they interface with the end-users globally. After bring that journey to a close he then went into a discussion on how Engineers can apply their current and future knowledge to today's market place.

December 5th

**“Holiday Spouse Night” & “Toys for Tots” Foundation Support
Pfeiffer University Charlotte Campus
Entertainment by string trio of “The TrebleAlto Trio”**



25 people attended our December 5th Event to kick off the Holiday Season. Members of the Senior Section, Student Section from CPCC and Guest brought a donation to “Toys for Tots” to the Event. Conversations flowed from table to table, some tables even expanded as all were entertained by the “The TrebleAlto Trio” with Holiday music. One table was filled to overflowing with donations to the Toys for Tots project, the dinner was excellent and the Guest enjoyed an opportunity to meet all.

November 21st

Natural Gas Vehicles



Corey Dillard - Energy Services Engineer for Piedmont Natural Gas spoke at our Senior Section November Event. The topic was Natural Gas Vehicles offer many benefits and could play a vital role in our attempts to reduce our dependency on oil. Some of the benefits are fewer emissions, safe fuel source, and economical alternative to gasoline, domestically available and abundant source.



The Student Section at UNCC was the "opening Act" with their HPV Project. The Event was well attended with 28 registered attendees. This was our first at Pfeiffer University Campus.



After the Presentation, Chris Myers the Section Programs Committee Co-Chair presented Corey with a Speaker's Gift of a NASCAR print by a local artist. Having Corey as our Speaker was appropriate since he is a UNCC Grad and an excellent example of an Early Career Engineer.



October 17, 2013



Hickory Springs (HSM)

Tour of Corporate Innovation & Technology Center and Plant Tour

We began our visit at the Corporate Innovation & Technology Center where we were shown the various industry applications of their end products (transportation, furniture, bedding, government, institutional, packaging, health care, and consumer). This is pretty much a vertically integrated corporation in that they make most of the components which go into the finished systems (integrated assemblies) they supply. From foam to metal components. HSM has multiple manufacturing facilities (44) throughout the US. Four of their leadership team presented the various steps they use in taking a product, tearing it down, looking at all of the areas involved in order to improve. They have made the move from components to supplying systems which not only brings them up to new manufacturing processes but improves customer relations.

After this insightful presentation, we then toured the Wire Technology Plant with the Plant Manager as our tour guide. Extensive operation, large facility and some of the newest technology involved. We saw product from the raw material stage processed through the shipping dock. Interesting aspect of this part of the visit was that the Plant Manager started as an Operator in his tenure with Hickory Springs.

Here's an article from their website related to our Event. [HSM hosts ASME tours of Corporate Innovation and Technology Center and wire manufacturing facility in Hickory, NC](#)



2013 - 2014 Kick-Off EVENT



September 19th Event

National Gypsum Company Plant Mt Holly, NC

Guest Speaker and Plant Tour with John E. Yakowenko Director of Engineering

This plant sets on 168 acres, is 500,000 sq. ft. under one roof and produces 1 billion sq. ft. of product annually. The production line is 1/2 mile with a capable speed of 500 ft. pr. minute. The EOS is 99% green. We visited the paper area, wet-dry end area, mill area, wet transfer, knife, board dryer just to name a few. John Yakowenko covered the history of wall board, the corporation and then the technical processes of manufacturing the product. This plant is LEED certified and with the raw materials, mixing, coating involved was a safe, clean environment. Great job performed by the Host. Good turn-out with about 25 people made up of Senior Section Members, Students and Guest.



The Senior Section wishes to thank the Dinner Speakers, Host of Plant Tours for the support provided in their time and interest shown in the Engineering Profession. The Programs Committee of 2013 - 2014 for planning the various Events they provided for the Members, Students and Guest attending.