



PIEDMONT-CAROLINA SECTION

Senior Section Newsletter

www.charlotte-asme.org

Volume 1

1st Quarter 2014

Section Officers

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Bob Simril

Vice Chairperson
Peter Tuz

Treasurer
Charles Favor

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Professional Development
Committee Chair
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STUDENT SECTIONS

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Karen Thorsett-Hill
Student Section Chair
Pheng Vang

CPC
ASME Faculty Advisor
Jesus Gonzalez
Student Section Chair
Alexander Blum

Senior Section ASME Fellows

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Samuel Korellis
Robert E. Johnson, PhD
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Wen-Jeng Chen, PhD, PE
Ronald E. Smelser, PhD, PE
Kevin Smith
Mindy Grinnan
Rick D. Dixon, PE
Dr. Robin N. Coger, Ph.D.
Joseph Cook Jr.

2014 Events

January 2014



**Thursday January 16th
Pfeiffer University Charlotte Campus**

Cost: \$20.00

Student's \$10.00 ea.

Reservations Cut-Off Tuesday January 14th noon

6:30 – 6:45 Sign in and Networking

6:45 – 7:00 – Meal Served

7:00 – Section Business

**7:15 Speakers Presentation followed by Q&A (hold questions until the end)
(Qualifies for PDH's)**

The Charlotte area is well known for its involvement in and significant contributions to a number of industries – textiles, race cars, energy, even aerospace. But did you know that it is also home to a budding biotech industry?

As an example, consider CEM Corporation (cem.com), the world leader in the development and manufacture of equipment used by the biotechnology industry to make products faster, better, cheaper. Biotech equipment from CEM is used in the pharmaceutical, chemical, and food processing industries, as well as in academic research, at facilities all over the world. CEM was founded in 1978 by a Chemist, an Electrical engineer, and a Mechanical engineer, hence the name CEM.

For our January program, a joint presentation is being given by 2 speakers from CEM Corporation: ●Joseph Lambert, Director of Engineering (BS degrees in Mechanical Engineering and Engineering Science as well as an MS degree in Mechanical Engineering – all from UNC Charlotte) ; ●Michael Collins, Jr., Director of Marketing and Product Development (BS in Chemical Engineering from the University of Florida).

Both are recipients of number industry awards, have published many technical papers, and hold multiple patents. They will be telling us how their engineering degrees have prepared them to lead in the implementation of lean manufacturing techniques, 3D printing, and other improved analytical and production processes that ultimately result in the wider availability of lower cost, higher quality food, pharmaceuticals, and other goods.

Click for: [Directions](#)

Buy Tickets on

To sign up for this Event visit: [Buy Tickets on Eventbrite](#)



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Upcoming Events

February

February 16- 22 National Engineer's Week

DISCOVER



ENGINEERS WEEK

FEBRUARY 16-22, 2014

Thursday, February 20th – Dinner Event
Focus is on N.E.W.

March

Thursday, March 20th

Dinner Event

Speaker: Bill Bailey – E.I. DuPont de Nemours & Co. Inc.

April

Thursday, April 17th

Speaker: Jim Deupree – President ChapterTwo®

Topic: Ethics in Engineering

May

Family Picnic

Date/Location: TBA

HELP WANTED SECTION

Opportunity for growth as a Webmaster/Newsletter Editor.

Our Section has a need for a Webmaster/Newsletter Editor. Requirements are knowledge of WordPress software, ability to use Notepad or another .txt program. Someone who will take ownership of our digital perception on the web as well as our Newsletter. You will be part of the Executive Board Leadership Team with all of the inside-track information of your ASME Section Operations. Great benefits. Good growth potential. Interested?

Contact ASMESectionChairperson@charlotte-asme.org



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Last Month's Event

Thursday December 5th

**"Holiday Spouse Night" & "Toys for Tots" Foundation Support
Pfeiffer University Charlotte Campus**



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.

Prior Events this calendar year

November 2013



Corey Dillard – Energy Services Engineer for Piedmont Natural Gas spoke at our Senior Section November Event. The topic was Natural Gas Vehicles

The Student Section at UNCC was the "opening Act" with their HPV Project. The Event was well attended with 28 registered at-

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October 2013

Hickory Springs (HSM)



Tour of Corporate Innovation & Technology Center and Plant

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).

Kick-Off EVENT

September 19 (3rd Thursday)

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 turnout, 25 people made up of Senior Section Members, Students and Guest.



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Message from the Chairperson

1/9/2014

In January of 2014 we start out on the road of developing relationships with industries in our area. We will hold Industry Breakfast Events in three different areas of our coverage. This will be an Event where Engineering Managers, Plant Managers, will be invited to a breakfast early in the a.m. and we will tell the ASME story. A story of a Professional organization that has value to offer industry in education, access to standards, conferences and benefits to it's membership. In short, we wish to be their partner in addressing the challenges of the future.

I hope each of you, our Members will join in this endeavor by offering your encouragement to your employer, fellow Engineers and the community as a whole. Let's make ASME the society where things happen!

With the coming of a New Year there are many new announcements of growth in the Charlotte and surrounding areas worth noting. Several are:

Charlotte named a top city for job seekers in 2014 - Charlotte Business Journal (1/8/2014)

Charlotte region in competition for \$25M in federal aid to manufacturing economies - Charlotte Business Journal (1/8/2014)

Rail yard at Charlotte Douglas to move 200,000 containers a year - Charlotte Observer (1/8/2014)

Weber Screwdriving to take former Rusty Wallace headquarters in Mooresville (Jan 2, 2014)

Horsehead Holding zinc production to add up to \$110M to gross profit in Rutherford County (Dec 31, 2013)

Beijing Review: Keer rejects Cali and New York 'business hotspots' for Indian Land (Dec 27, 2013)

Electrolux to hire 810 more employees, spend \$85M in Charlotte headquarters expansion (Dec 20, 2013)

This type of news is encouraging to the Engineering Profession as a whole and especially to our ASME Section. Show me one in the list above where a Mechanical Engineer is not involved. Our Section has terrific potential to grow and be a driver in that growth.

Bob Simril

Piedmont Carolina Senior Section

Chairperson

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