



CMGT NEWS

Fall 2015 &
Spring 2016

CMGT Education Excellence

Notes from the Chair

The Construction Management Department at East Carolina University has had a successful year and we are looking forward towards the upcoming 2016-2017 academic year. In our community we have educators, scholars, leaders and construction professionals. Our department places an emphasis on values such as excellence in teaching, research, service and interdisciplinary collaboration. I would like to share with you our activities and accomplishments we have had throughout the year.

Every semester The Construction Management Department announces our "Outstanding Senior". We evaluate the students based on their academics, service, and other activities during their time at ECU. Sigma Lambda Chi, Construction Management Honor Society also inducts new candidates who were recognized by their peers as ethical & hard-working students while remaining on the top of their class.

The education experience is provided to the students by our most qualified and professional faculty. Our faculty comes from diverse backgrounds, experience and inspire students to excel beyond the standard curriculum.

Our curriculum places an emphasis on the delivery of projects, organization, control of projects of various types and the principal of ethical actions in the construction industry. Here we encourage students to attend in various types of construction activities. In October, Oldcastle Adams sponsored the 2nd Annual ECU Blockfest Competition. Students were given one hour to construct a design using one palette of brick and one palette of concrete masonry units. In February 2016, eight ECU students competed in the Residential Construction Management Competition at the International Builder's Show in Las Vegas, Nevada. The competition gave students the chance to apply skills learned in the classroom to a real residential development. Two of our students were recognized as the first to have the opportunity to study aboard at HAN University during August-December 2015. They earned a 15-credit wind project management certificate and learned the aspects of wind farm construction.

Our department has several student organizations that students can join, learn, make friends and give back to the community. Associated General Contractors (AGC) were involved in a number of service activities including Habitat for Humanity.

Students also had the opportunity to travel to Clayton, NC and visit the Caterpillar Plant. This gave students the opportunity to understand the manufacturing and operational use of equipment. Other organizations that we have are Women in Construction and Technology (WICAT), NAHB, and USGBC.

Our faculty had an outstanding year for publications, research, development and activities. One of our faculty members led by Dr. George Wang, has been awarded a research grant by the North Carolina Department of Transportation. This \$185,000 project is to conduct an applied research on the use of recycled concrete in non-structural concrete in Eastern North Carolina for various construction projects. Dr. Batie, another one of faculty is involved in several construction management associations. One of which is as a board member of the American Institute of Constructors Constructor Certification Commission, a board that makes independent decisions regarding the Constructor Certification Program. We would like this time to thank everyone for your support for our department. We look forward to the new academic year and welcome all our incoming new and transfer students to our program.

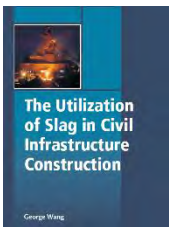


This has been an exciting year with many events and opportunities taking place.

FACULTY PUBLICATIONS, PRESENTATIONS, & ACTIVITIES

At the April 13-16, 2016 **Associated Schools of Construction Conference** held at **Brigham Young University**, CMGT faculty presented papers. They included **F. Tait Lane/Dr. David L. Batie** "*The Use of Project Risk Management in the Southeastern United States Construction Industry*" (MCM Research), and **Dr. George Wang / Marc Steenbakkers** "*Eight Years Superb Performance of a Motorcycle Race Track Pavement – A Design and Construction Review*".

Dr. George Wang has recently had one of his articles translated into French and published in the April 2016 journal *Laitiers* (slag). The title is "*Use of steel slag as a granular material: Volume expansion prediction and usability criteria*". This article was originally published in the *Journal of Hazardous Materials* in 2010.



Dr. George Wang has also had a new textbook *The Utilization of Slag in Civil Infrastructure Construction* published Woodhead Publishing.

The Construction Management Department Research Team, led by **Dr. George Wang**, has been awarded a research grant by the **North Carolina Department of Transportation (NCDOT)**. This \$185,000 project (8/2016 – 7/2018) is to conduct an applied research on the use of recycled concrete in non-structural concrete in Eastern North Carolina in the bridge and road construction projects specified in the Strategic Transportation Improvement Plan (STIP) for 2016-2025. The team includes **Dr. Donna Hollar**, **Dr.**

Kamalesh Panthi, and two graduate research assistants.

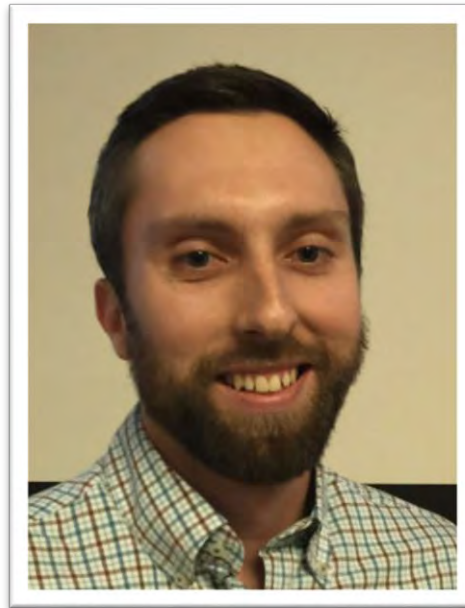
Dr. David L. Batie is a **Board Member** of our accrediting body, The **American Council for Construction Education (ACCE)**, and is **Vice-Chair of the Standards Committee**. Dr. Batie was also a member of the University of Minnesota-Mankato Construction Program Accreditation Visiting Team in Spring 2016. Dr. Batie is also a **Board Member** of the **American Institute of Constructors Constructor Certification Commission (AIC-CCC)**, a board that makes independent decisions regarding the Constructor Certification program.

Fall 2015 / Spring 2016 Outstanding Students

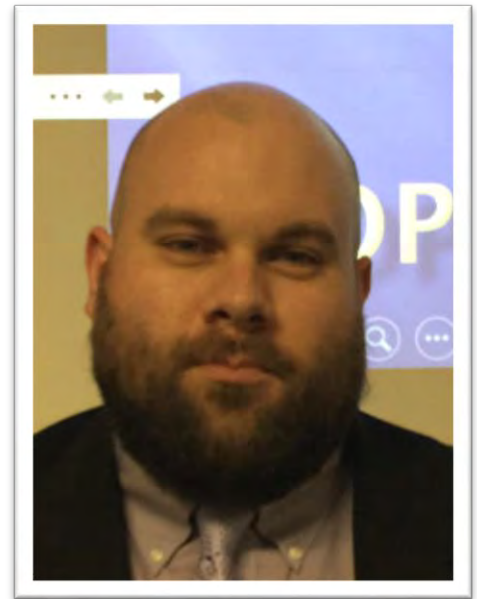
We are pleased to announce the seniors selected for the award of "Outstanding Senior" during the Fall 2015 and Spring 2016 semesters. Students were asked to submit their documentation based on academic merit, service, accomplishments during their careers at ecu, and their GPA. CMGT Faculty reviewed each candidate's application, with a final selection being made. The Outstanding Seniors were recognized at both the University and College Commencement ceremonies.



Fall 2015 – Jason Davis



Spring 2016 – Scott Kelly



Spring 2016 – James Moore



Topping Off Ceremony – Spring 2016

SLC Induction Ceremonies

In Fall 2015, Sigma Lambda Chi (SLC) Construction Management Honor Society inducted thirteen new candidates. Being selected as a SLC inductee is an honor in the construction industry. Candidate must maintain at least a 3.0 overall GPA and be in the top 20% of the CMGT class. Additionally, they must be recognized by their peers as an ethical and hard-working student.



New Members (Alphabetic Order): Zachary Stephen Byrnes, Michael Richard Cobb, Renee Frances Daigle, Barbra Elinor Glynn, Clayton Gregory Hopkins, Beau Ryan Kelly, James Christopher Moore, Carly Elizabeth Nickels, Cody Lee Pittman, Mark Alan Potter, Ryan Taylor Pova, Piyawat Sittiwongse, James David Wynn.

Title Sponsor: Coakley & Williams

Events Sponsors: D.R. Horton, James G. Davis Construction, and Hensel Phelps

Additional Sponsors: Barnhill Contracting Company, Branch Highways, Caterpillar, CF Evans Construction, HESS, Hourigan Construction, L. F. Jennings, and Meritage Homes



The guest speaker was **Mr. Eric Gregson**, Vice President, First Citizens Bank

The SLC Officers for 2015-2016 were **Jared Henry**, President, **Tyner Pearson**, Vice President, **Jared Goodrum**, Secretary, and **Grant Carr**, Treasurer.

Happenings at ECU CMGT

Welcome Back Cookout

To kick off the Fall 2016 semester, faculty and staff hosted a "Welcome Back Cookout" complete with a friendly construction competition. Games included Hammer Horseshoes, Hanging by Your Nails, and Level Head. Fun was had by all. A great way to start out the academic year.



HIGH SCHOOL STEM DAY

The Department of Construction Management participated in the ECU High School STEM Day on April 8, 2016. Over Twenty high schools participated in the event. Construction Management faculty involved included **Dr. David L. Batie**, **Dr. Kamalesh Panthi**, and **Mr. Bryan Wheeler**. Activities for the 60 students that visited our program included steel erection activities in the High Bay Lab and making and testing concrete samples in the Soils and Materials lab. This is the 4th event in which the College of Engineering and Technology and CMGT has participated.



Class Site Visits



TERRACON CONSULTING ENGINEERS VISIT

In both the Fall and Spring semester, **Dr. George Wang's** CMGT 2700/2701 (Soils and Foundations) students visited the soils lab of Terracon Consulting Engineers and Scientists, located in Winterville, NC. Terracon is one of the largest engineering consulting firm. It's branch office in Winterville is responsible for geotechnical investigation, materials testing, quality assurance and control for many construction projects in east North Carolina. Through the visits, students were able to better integrate the knowledge learned from classroom to real projects.



S.T. WOOTEN ASPHALT PLANT VISIT

In 2015 Fall semester, **Dr. George Wang's** CMGT 3710/3711 (Infrastructure and Highway Materials) students visited S.T. Wooten's Asphalt plant and concrete plant. S.T. Wooten's field engineer also came to CMGT lab to demonstrate the use of nuclear density gauge for compaction test to students.



ANDERSON TRUSS CO. PLANT VISIT

In 2015 Fall semester, **Dr. George Wang's** CMGT 2650 (Structural Analysis) students visited Anderson Truss Company in Ayden, NC to learn the design and production process of wood fabricated trusses.

Oldcastle Blockfest Competition

In October, Oldcastle / Adams sponsored the 2nd Annual ECU Blockfest Competition. Seven student teams created designs for a wall, bench, or other structure. All were charged with using one palette of brick and one palette of concrete masonry units, with designs being completed before the actual construction competition. Students were then given one hour to construct their designs in mortarless construction. Winners were evaluated a panel of professional architects, designers and contractors. Special thanks to **Brett Hardy (IAB), Frank Warner, Robb Haas (ECU Alum), David McQueen, and Parrish Hoffman** for providing the materials, site assistance, and the generous CASH Awards to the Winners. The first Place Winners were **Colton Harrell, Alexander Jenkins, Brandon Jones, Dalton List, and William Smith**.



NAHB National Competition Team

In February 2016, eight ECU NAHB students competed in the Residential Construction Management Competition at the International Builder's Show in Las Vegas, Nevada. Over 40 teams from universities and colleges represented the top 2% of students in their field of study. The competition gave participants the opportunity to apply skills learned in the classroom to a real residential development project. Students completed a management proposal to develop a pre-selected site. Proposals were submitted to a group of construction executives for evaluation before the final presentation. At the convention, students defended their proposals to the judges.

ECU CMGT placed **11th** of the competing teams. Members were:



Back Row (L-R) Patrick Wurzel, Logan Phillips, J. D. Wynn, Jenna Nelson, André Duncan
Front Row (L-R) Ryan Pova, Jason Davis, Barbra Glynn

Mr. Dan Thomas served as the Advisor for the Competition Team. In Fall 2016 a Special Topics Class for the 2017 Competition Team will have enrollees who will make up the team for the competition. **Ms. Chelsea Buckhalter** will be teaching the class.

HAN University Students Reflections

Braxton McKoy and **Scott Kelly** were the "first" students in Construction Management to study abroad at HAN University during the August-December 2015 semester. Braxton and Scott wanted to attend HAN University for two reasons: to help strengthen the relationship East Carolina University has with them and to expand my knowledge in both the construction and growing, renewable energy industries. Our study was focused on Wind Energy Project Management, in which we learned all the aspects of wind farm construction and developed a bid packet for two offshore sites in the Netherlands as our final project.

HAN University is a sister institution to ECU. HAN University resides in two cities and stands for "Hoogeschool van Arnhem en Nijmegen" which translates in Dutch to the University of "Applied Sciences".

<http://www.han.nl/international/english/>)



Student Organizations

Associated General Contractors (AGC)

Associated General Contractors (AGC) students were involved in a number of service activities during the year, including working with Habitat for Humanity.

Caterpillar Trip

AGC students made their annual field trip to the Caterpillar Plant Tour and Heavy Equipment Operation in Clayton, NC. The opportunity to understand the manufacturing and operational use of the equipment gave students a unique experience in this area of the construction industry.



Women in Construction and Technology (WICAT)

WICAT took a two day trip to explore the Biltmore in Asheville, NC, worked with Yoder on National Rebuild Day to demo as well as rebuild a roof. We also joined with ECCA at the 18th annual golf tournament volunteering with the raffle, checking in players and other miscellaneous tasks.



USGBC

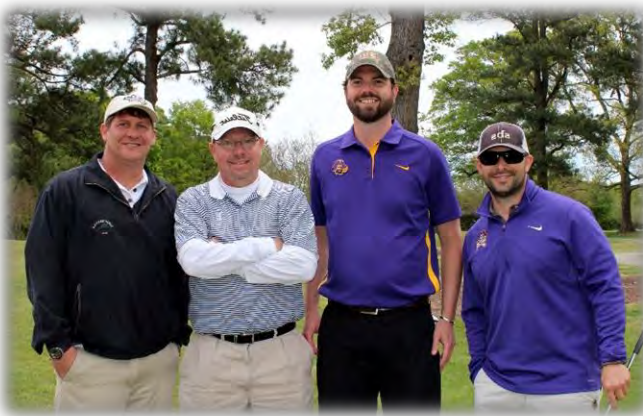
The USGBC Chapter accomplished two goals. Firstly, we were able to provide members with online study accounts, preparing them for the LEED Green Associates Certification Exam. The members who took advantage of this opportunity will take the exam this summer. Secondly, we discussed LEED accreditations and made a visit to the Mother Earth Brewery in Kinston, NC, a LEED Gold certified building.



18th Annual ECCA Spring Golf Tournament

April 22, 2016 - Bradford Creek Golf Club

On behalf of the all the student organizations, we would like to thank everyone involved in the 18th Annual ECCA Spring Golf Tournament.





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