



CMGT Education Excellence

Notes from the Chair

This has been another exceptional year for the Construction Management Department. The department is growing and advancing with the hiring of new faculty who will begin in the Fall 2019 as well as strong faculty within the department who are advancing in the field and helping the department to continue to grow. Beginning in the Fall 2019, we have two fixed-term faculty (Dr. Jodi Farrington and Mrs. Chelsea Buckhalter) and two tenure track faculty (Dr. Carol Massara and Dr. Mostafa Namian). We are very excited about these four highly qualified faculty.

Throughout the year, our department has had the opportunity to host faculty from HAN University in the Netherlands for a semester as well as go and visit the university on a summer study abroad trip. The trip was a great opportunity for the students to learn and apply knowledge gained about quality and sustainability-related issues in construction management.

The department also reached an all-time high for scholarships this year. The department awarded 26 students within the department with scholarships ranging in amounts from \$1,000 to \$5,000. Our department hopes to continue to grow our

scholarship funds to continue to provide opportunities to students.

In the Fall 2018 and Spring 2019, the department announced the outstanding seniors. Students were asked to submit their documentation based on academic merit, service, accomplishments during their careers at ECU, and their GPA. The Outstanding Seniors were recognized at both the University and College Commencement ceremonies.

Along with the outstanding seniors, the department has also had an array of exceptional students who have received awards throughout the year. At the International Builders Show Tristan Merritt received an "Outstanding Student Award" for his work on project. Mr. Dan Thomas was the NAHB Team Advisor and Instructor. Congratulations to Joseph Weldon Franklin who was awarded 1st place in the AGC 2019 James L. Allhands Essay Competition for his essay on "Attracting and Retaining Top Employees by Placing Proper Value on Their Contribution to the Company". Mr. Bryan Wheeler was the ECU Faculty Advisor for the competition. Joseph is the 2nd National winner in this completion from ECU CMGT.

Lastly, the department is pleased to announce the name change of the Master of Construction Management program. Starting in the Fall 2019, the program name will be changed to the Master of Science in Construction Management (MSCM). Along with the name change, the master's program will also stop requiring students to complete the GRE before being admitted into the MSCM program.

Dr. Bryan Wheeler is retiring after 12 years of service as a faculty member. He was a favorite amongst students and we are sad to see him go.

The department is thankful for all of the help and support that has been provided by the faculty, staff, and students. We are excited to see what the future has in store for the department and we look forward to providing more opportunities to students in the future.



Sincerely,

Syed M. Ahmed
Chair & Professor
Department of
Construction Management

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

FACULTY ACTIVITIES

Dr. David L. Batie, received an **ECU Summer Teaching Grant** to implement “**Using Building Information Modeling (BIM) to Develop Historic ECU Campus Building Projects**” in his Fall and Spring CMGT 3010 BIM classes. He recently chaired the **ACCE Accreditation Visit** at Indiana University Purdue University – Indianapolis (IUPUI) in Spring 2019. He also serves as the **Vice Chair** of the **ACCE Standards Committee**. 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.



Dr. George Wang was elected a **Fellow of the American Society of Civil Engineers (ASCE)**. Dr. Wang has been a member of ASCE for 15 years and is currently the secretary of the ASCE Committee on Ethical Practice. He also has been actively involved with other technical committees.

Dr. George Wang and Dr. Donna Hollar attended **NCDOT Project Closeout** meeting on April 22. NCDOT Research managers and project Steering Committee evaluated the draft final report and closed out the project. The two-year project investigated the practicality of using recycled concrete aggregate in nonstructural concrete in eastern North Carolina that provided valuable information on technical efficacy and cost savings. The results will benefit the bridge and road construction projects specified in the State Transportation Implementation Plan.

Dr. George Wang and **Dr. Donna Hollar** have papers presented on the *International Conference on Professionalism and Ethics in Construction*, London, UK, in November 2018, titled “**Nurturing Leadership Capability for Construction Management Majored Students**”, and on the *55th Annual International Conference of the Associated Schools of Construction*, Denver, CO, in April 2019, titled “**Laboratory Study on Using Recycled Concrete Aggregates in Non-Structural Concrete**”.

Dr. Roberto Soares presented the paper “**Comparative Analysis of Online Versus Face-to-Face Delivery of Mechanical and Electrical System Course in a Construction Management Curriculum**” at the ASC International Conference in Denver in Spring 2019.



During the Fall 2018 semester it was our pleasure to host **Jetske van Zimmeren** and **Rona Vreenegoor** from **HAN University** in the Netherlands. Jetske taught CMGT 3010 BIM and Rona taught CMGT 4320 Global Sustainability. They worked together creating teams of students designing buildings in BIM and using LEED

standards to meet the new residential and commercial requirements. Students presented their work to students and faculty in the Science & Technology Main Hall.

Happenings at ECU CMGT

2019-2020 Scholarship Recipients

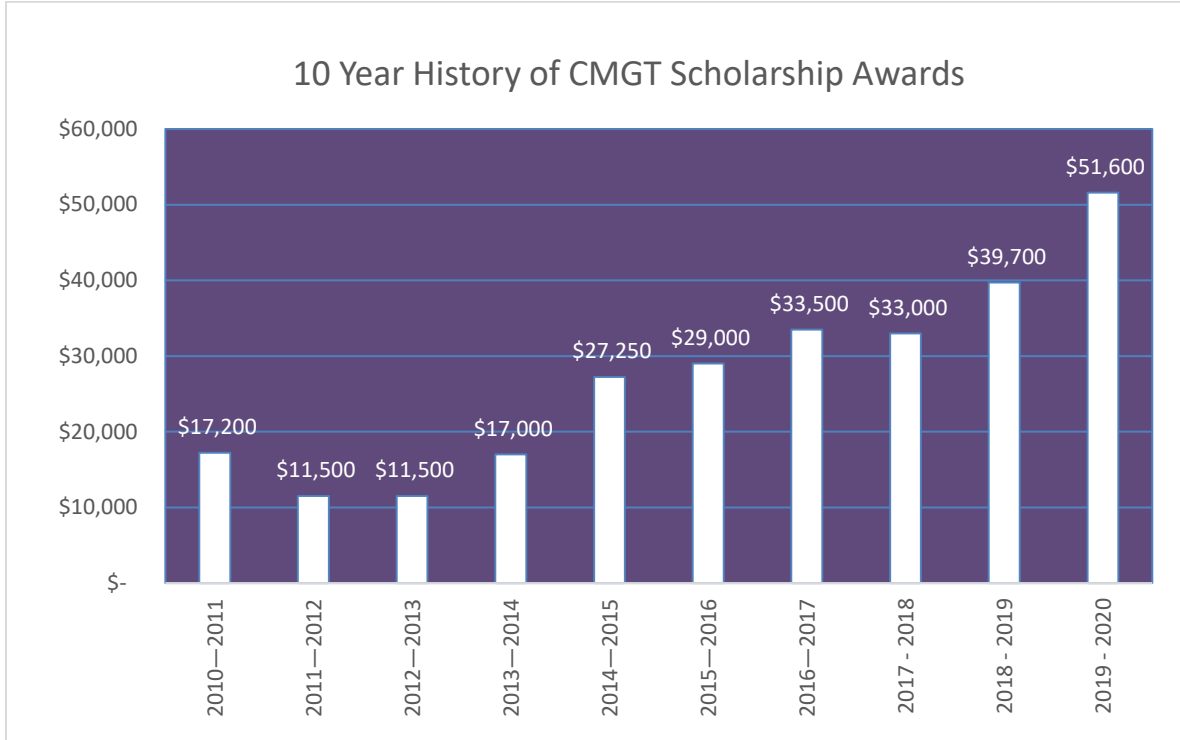
Construction Management Scholarship Funding reaches an all-time high of \$51,600 for 2019-2020 awards! With the generous support of seventeen scholarship donors, twenty-six students were awarded scholarships ranging from \$1,000 to \$5,000. On average, students were awarded \$1,323 in scholarship funds.

2019-2020 Construction Management Scholarship Recipients:

Giovanni Cavalotto
 Garrison Chance
 Jeffrey Deal
 Kevin Devlin
 Wesley Drake
 Wilson Gallagher-Smith
 Michael Garner-McGraw
 Lane Gorrell
 Raymond Hock

George Hughes
 Jared Huneycutt
 Andrew Landry
 Jacob Lemon
 Tristan Merritt
 Jordan Milhouse
 Belen Olvera
 Eddie Onsare
 Grant Phillips

Lorenzo Salgado-Merida
 Carrie Strickland
 Austin Votava
 Joseph Ward
 Spencer West
 David White
 Ethan Wolcott
 Brandon Young



Fall 2018 / Spring 2019 Outstanding Students

We are pleased to announce the seniors selected for the award of "Outstanding Senior" during the Fall 2018 and Spring 2019 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 2018



Gerry King

Derrick Chesson

Benton Johnson

Spring 2019



Luke McKeithan



Alicia Ervin

SLC Induction Ceremonies

Sigma Lambda Chi – International Construction Honor Society

ECU's Construction Honor Society Sigma Lambda Chi Iota II Chapter inducted 32 students during the Fall 2018 and Spring 2019 semesters. Juniors, Seniors, and Graduate Students must be in the top 20% of their respective class academically to join. The ECU Iota II Chapter formed in February 1986. Since that time 917 inductees have been recognized.



October 15, 2018 Inductees with Chapter Officers



April 8, 2019 Inductees

2018-2019 Sigma Lambda Chi Iota II Inductees:

Reuben Allen	Elizabeth Clayton	Sahitya Kancharla	Andrew Phillips
Asa Beasley	Wesley Drake	Denis Leary	Kevin Savidge
Austin Blackwood	Joseph Franklin	Joe Livesay	Coy Settlemyle
Matthew Boyette	Lane Gorrell	Charles McDonald	Reginald Sills
Jacob Breece	Matthew Guillot	Luke McKeithan	Spencer West
Susan Burns	Evan Hermen	Jaquavius Mooring	David White
Garrison Chance	Thomas Hernandez	Belen Olvera	Joseph Yarosh
Dylan Clark	Waverly Jones IV	Alex Owens	Brandon Zeagler

NAWIC Block Kids Contest 2019

Seven Construction Management students assisted with the National Association of Women in Construction Block Kids Contest held on February 7, 2019 for 1st-6th graders at the Ayden Boys and Girls Club. CMGT Students helped the youth build and paint a bird house as the event's construction activity.



Andrew Bailey and Jacob Revis



Nathaniel Culpepper.



Amanda Wilkinson

Additional CMGT Student Volunteers not shown in photos: **Christopher Baddour, Monroe Simmons, and Scott Wolfe.**

Alumni Update



Joshua B. Mauney (CMGT 2003S), CEO/Founder, Paragon Safety Group Inc., Raleigh was named an **ENR Southeast Top Young Professional**. ENR Southeast recognizes the regional construction industry's up-and-coming leaders. The contest, conducted by each of ENR's Regional Publications, seeks to recognize young professionals who represent the "Best-of-the-Best" in their construction and design careers, by exhibiting qualities such as leadership, career progress, community involvement and creating landmark projects.



Landon Downes, (CMGT S2011) graduate and a current student in the **Master of Construction Management** program, has been named one of **2019's Rising Stars by Progressive Railroading**. The magazine defines a Rising Star as someone under the age of 40 who has made, or is making, a positive impact on his or her company, organization, department or team, and is viewed by others — peers, colleagues, supervisors, clients or associates — as an up-and-coming leader in the rail industry. Downes has worked with **Balfour Beatty Rail (BBR)** since 2011.

NAHB National Competition Team

The mission of the NAHB four-year student competition is to expose students to an in-depth residential construction project from concept to closing. This includes **Market Analysis, Product and Site Design, Construction Management** (estimate & schedule), **Sustainability, Sales & Marketing, Financial, and Risk Analysis**. Using real projects, students compete with other schools as they display their problem-solving abilities and learn more about home building. Student teams submit a written proposal (about 100 pages) for judging by a panel of industry professionals and then travel to the International Builder's Show (IBS) to give a live presentation of their proposals. Typically, between thirty to forty team participate each year.

The International Builders' Show is the premier event for NAHB Student Chapters to network with builders from across the country. There are three levels of competition: Four-Year Programs, Two-Year Programs, and Secondary School Programs.

Tristan Merritt received an **"Outstanding Student Award"** for his work on project. **Mr. Dan Thomas** was the NAHB Team Advisor and Instructor.



From left to right: **Dylan Clark, Alec Woodruff, Jordan Milhouse, Daniel Bickers, Julian Diaz, Abigail Gonzalez, Abby Russell, Marlen Mendoza-Patricio, and Tristan Merritt.**

Student National Award



AGC 2019 James L. Allhands Essay Competition

CONGRATULATIONS to Joseph Weldon Franklin (S2019) who was awarded **1st place** in the **AGC 2019 James L. Allhands Essay Competition** for his essay on *"Attracting and Retaining Top Employees by Placing Proper Value on Their Contribution to the Company"*. **Mr. Bryan Wheeler** was the ECU Faculty Advisor for the competition. Joseph is the **2nd National winner** in this completion from ECU CMGT.

Student Organizations

Associated General Contractors (AGC)

Jordan Starkey, President

Associated General Contractors (AGC) is the largest construction student organization at East Carolina, currently we have about 30 active members. For the 2018-2019 school year the officer positions were: President Jordan Starkey, Vice President Joey Lazer, Treasurer Dillon Demaree, Secretary Brett Moore, Marketing Patrick McComas, and Brand Manager Ryan Sims. The main focus of AGC is assisting our members in finding internships and full-time employment, we achieve this through resume building and networking.

Throughout the academic year our weekly meetings have included resume building lectures from Career Services, and numerous construction companies' presentations and employment opportunities. Every year AGC takes an awesome trip to the Caterpillar plant in Clayton NC, there our members get a full tour of the factory where the equipment is produced, and they also get to operate some of the different pieces of equipment.

AGC would like to give a **Very Special Thanks** to **Mr. Bryan Wheeler** who has been the **AGC faculty advisor for the past 12 years**. AGC has been honored to have such a great faculty advisor and friend for so many years, thank you for being a **Construction Management Champion Mr. Wheeler, Stay the Course!**

Women in Construction and Technology (WICAT)

Alicia Ervin, President

Members of the **Women in Construction and Technology (WICAT)** student group has been actively involved in job site tours, volunteer events, and attending the NAWIC (National Association of Women in Construction) Spring Forum this school year. We had the opportunity to tour the new ECU Student Union before it opened with Barnhill Contracting Company. Frank L. Blum gave us two tours of the Greene Residence Hall. Having two tours gave us the opportunity to see progress from the demolition to the finishing aspect of the same project. We had several members attend various volunteering events throughout the year as well. NAWIC hosted a Block Kids event that members assisted and also volunteered at Greenville's local Rebuilding Together fundraising event. WICAT also attended the NAWIC Spring Forum held in Charlotte that consisted of breakout sessions, keynote speakers, and networking opportunities. Throughout the school year we also participate in intramurals, such as volleyball. It has been an educational and enjoyable year for WICAT.



USGBC

Justin Burns, President

The **USGBC (United States Green Building Council)** continues to focus on learning about sustainably built structures along with the technologies and materials that help make them "green". The main goal for the 2018-2019 year was to go on two trips to visit buildings that were LEED Certified (Leaders in Energy & Design) locally in North Carolina. There are a few examples of these buildings on campus that have either been completed in the past or have been renovated within the last three years with this sustainable rating. **Ross Hall** and the new **Main Student Center** are both **LEED Silver** rated. These buildings are rated based on their environmental footprint, and what types of systems are implemented into the design of the building to help reduce it. Once the student center was completed members were then encouraged to attend meetings there to see "green" systems in action such as the transition glazing in the storefront.

By touring many different kinds of buildings students are able to physically see the systems that make a building green, in which helps them preparing for the LEED GA exam that students are again encouraged to take prior to graduation. The first tour USGBC of ECU took was the annual tour to **Mother Earth Brewery** in Kinston, NC. They have many unique specialty commercial construction systems that are implemented into the **LEED Gold** design. Mother Earth recently renovated their main taproom continuing to build on their thriving brewery that has barn wood flooring and colorful LED underlighting, adding to a unique atmosphere dampened by the jean insulated walls.

USGBC also had a guided tour from **Clancy & Theys Construction Company** in downtown Raleigh in early April. **The Nature Research Center** was completed in 2012 as an addition to the Natural Sciences museum and received a **LEED Platinum** rating. Clancy & Theys provided a presentation of BIM clash detection using 3D virtual reality models during both the design and construction phase. This was a technology that helped prevent project duration holdups for all the unique displays, large amounts of MEP coordination, and the stunning paneled steel globe at 70 feet in diameter.



Mother Earth Brewery

[Source: <https://www.facebook.com/MotherEarthBrewery/photos/a.160161808364/10156187897783365/?type=3&theater>]



NC Museum of Natural Sciences

(Source: <https://www.visitraleigh.com/things-to-do/museums/museum-guide/north-carolina-museum-of-natural-sciences/>)

Associated Builders and Contractors (ABC)

Amanda Wilkinson, President

The **Associated Builders and Contractors (ABC)** is a new student organization that was started in Spring 2018. ABC In our first year we decided to participate in the **ABC National Construction Management Student Competition**. There were 21 schools across the country competing. Out of the 21 entrees, 8 were picked to present while at the competition. This year's competition was hosted in Long Beach, California. The competition project was a new **High School Event Center**, demolition of existing pool, and installing a new pool with buildings surrounding in West Covina, California constructed by **Balfour Beatty**. For two months, the team worked on creating a full bid packet including estimate, schedule, project management plan, quality plan and safety plan. During this time, we met with industry members who helped us understand the process. Once in California, we were presented with step two of the competition which was adding a renovation to an existing building. We had such a great time being able to network with industry members and other construction management students. We go positive feedback from everyone we talked to. Most were impressed that we did so well as being a first-year team. The 2020 competition will be in Nashville, Tennessee. We hope to be able to have a stronger team next year now with the backing we have now.



ABC Competition Team Members



(L-R) Autumn Wickstrom, Amanda Wilkinson, Dalton List, Joseph Franklin, David White

East Carolina Construction Association (ECCA)

C. Drake Overton, President

East Carolina Construction Association (ECCA) is a student led organization that helps facilitate networking and job placement opportunities throughout the Construction Management Department. There are 3 main events that ECCA holds each year. They included both the **Fall/Spring Career Fair Social**. Each Fall and Spring semester East Carolina University holds a Career Fair for current students who are in search of internships or full-time positions. These socials are held after the Career Fairs and used to help both our students and employers find what they are looking for. Both socials take place at local restaurants where all construction students and companies are invited to come socialize and network in a more relaxed environment.

The third event that ECCA is responsible for is the **Annual East Carolina Construction Association Golf Tournament**. The golf tournament is our departments largest student led fundraiser held each year during the spring semester. All proceeds from the tournament are distributed throughout our Construction Management Student Organizations for the following years funding. Not only does this tournament raise money for our student organizations, but it also allows students to come play with the employers and network over a fun round of golf. This year we had over 20 team sponsorships giving us one of the best turnouts our department has seen!

On behalf of the all the student organizations, we would like to thank everyone involved in the 21st Annual ECCA Spring Golf Tournament.



Study Abroad 2019

In the Summer of 2019 (May 6 – May 18, 2019), the Construction Management Department Study Abroad program traveled to Europe. The group, comprising of 21 students, 1 graduate assistant, and 2 faculty members (Dr. Syed Ahmed and Dr. Amin Akhnoukh) spent a week in Rome and another week in the Netherlands. The group visited all the historic sites in Rome including the Colosseum, Vatican City, and the Forum.

While in the Netherlands, HAN University Institute of Built Environment hosted the group and showed them around the Netherlands. The students participated in workshops, seminars and lectures provided by HAN University.

The study abroad trip was focused on quality and sustainability related issues in construction. The courses covered were CMGT 4300: Construction Quality and CMGT 4320: Sustainable Construction. These were 6-week courses where the students had to work for 2 weeks prior to the trip and another 2 weeks after returning from Europe.

Next summer the program will be offering another study abroad trip. For more information please contact Syed M. Ahmed, ahmeds@ecu.edu.



A Final Note:



It is with a sad heart that we say goodbye to **Bryan Wheeler, Teaching Instructor** on his retirement from the ECU CMGT faculty team. Bryan began teaching in the Fall 2007, having taught several classes over the years, such as CMGT 2400/2401 Building Systems and Codes, CMGT 2600 Construction Documents, CMGT 4300 Construction Quality, and CMGT 4000 Estimating. He has also served as the Faculty Advisor for the AGC Student Chapter and has been the CMGT Coordinator for a number of the NCDOT High School Career Days. In March 2008 **Bryan** and CMGT graduate **West Overman** led 75-80 ECU Construction Management students who volunteered for ABC's "Extreme Makeover Home Edition," building a new home for a Jamesville family.

Students, Faculty, and Industry Advisory Board Members wish **Bryan** a healthy and interesting retirement, as he will be giving himself to others in need of help here in ENC or in a variety of foreign mission's fields.



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