

The Citadel, Civil, Environmental, & Construction Engineering News



SUMMER 2021



HIGHLIGHTS FROM THE 2020-2021 ACADEMIC YEAR

May 2021- Even in a year of social distancing, masks, and hybrid/online classes, Civil, Construction, and Environmental Engineering has seen significant success. Our faculty have continued to deliver the highest level of **instructional quality** possible in lecture and laboratory courses alike (Pictured Pg1).

COVID-19 restrictions did not prevent the department's continued connection to local industry via high impact on-site **field trips** (Pictured Pg3).

For the 20-21 AY, we have 47 students graduating between the CIVL and CONE programs (Pg4).

Our new **BS in Construction Engineering** Program continues to grow. The second class of graduates received their diplomas in May (Pg4).

The Citadel is **# 9 in US News and World Report** 2021 rankings of Undergraduate Civil Engineering, non-PhD programs. Of 23 academic departments at The Citadel, Civil Engineering is the only program to be ranked nationally in US News & World Report. Thanks to everyone for all the dedication and hard work, that has gone into achieving this recognition!



The **2021 ASCE Carolina's Conference** was hosted virtually by USC after last year's COVID-19 cancellation (Pg2).

Citadel's **Society of Women Engineers** hosted the annual "Introduce a Girl to Engineering Day" in Feb (Pg2).

Our **innovative curriculum** continues to bring graduate's skills in line with professional practices. CIVL210 ("Computer Apps") has been redesigned to teach Python and Excel. Across the curriculum, there is an expanded emphasis on AutoCAD, GIS, and BIM.



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DEPT. HEAD'S MESSAGE:

WILLIAM J. DAVIS, PH.D., P.E. (AL)



Students, faculty and staff experienced a uniquely remarkable academic year in LeTellier Hall. It was inspiring to see how faculty effectively created engaging hybrid courses that provided alternating face-to-face and live streaming, as well as online, classes. Students successfully adapted to this novel course delivery method and completed a highly productive academic year. 2020-21 highlights include:

ABET Accreditation Reviews: Faculty published extensive self-studies and completed comprehensive virtual site visits, conducted by ABET Program Evaluators, for our Civil Engineering and Construction Engineering programs; results will be announced in Aug 2021.

Student Success Program: Exceptional advising and support is provided through the Engineering Student Success Program (ESSP) that empowers students to accomplish their academic goals, achieve success in a rigorous curriculum, and build a strong foundation for successful careers in the engineering profession.

Construction Engineering: The 2nd graduating class in construction engineering represent a milestone accomplishment for students, faculty, department, institution & profession.

Academic Enrichment: Students participated in numerous formative activities including undergraduate research, field trips, career expo, internships, academic competitions, community outreach, professional events, and scholarly presentations/publications.

Online MSCE Degree: Completion of a 10-course program of study, earn qualified students a graduate degree in civil engineering, offered online through a design-focused and application-oriented curriculum in structural, geotechnical and transportation engineering.

Our student-centered teaching and learning community includes: 225-students, 14-faculty, 2-staff, and 2-graduate assistants. Through great teamwork, synergy and collaboration, we strive to honor the legacy of our collegiate forefathers and build upon the great traditions of our storied engineering program at The Citadel. We remain dedicated to our central mission of developing and graduating principled engineering leaders. Please visit us on campus, or reach out, if you would like more information about our students or academic programs. I can be reached at <jeff.davis@citadel.edu>



A MESSAGE FROM OUTGOING STUDENT LEADERSHIP



As the previous ASCE chapter President, I can say

ASCE was the most beneficial club I was ever a part of. The learning and networking opportunities were extremely important throughout my development as a Civil Engineering cadet. The Department itself is also a wonderful family to be a part of. I believe every professor wants their student to succeed. If you ever need anything, they are available to you for help and guidance. I am proud to say that I graduated from The Citadel's Civil Engineering Department, and I wish all the current students the best in their studies.

Cadet Hunter Hutton, '21

ASCE CAROLINAS CONFERENCE NEWS

March 27, 2021 – An 11-student delegation from The Citadel participated in the annual ASCE Carolinas Conference hosted by the Univ. of South Carolina. Due to COVID-19 restrictions, the competition was virtual and Citadel participation was limited to remote competition events. We are all extremely proud of our student teams and faculty advisors who organized their submissions within weeks of the competition and continued our long tradition of participating in this event.

2021 COMPETITION EVENTS

1. Concrete Canoe
2. Surveying* 2nd Place
3. ASCE Blue Sky
4. Environmental
5. Freshmore Challenge*
6. Mead Paper
7. Quiz Bowl* 3rd Place
8. Transportation*

* Denotes Citadel Participation

Save the Date: Citadel will host the 2023 Carolinas Conference in Charleston!



2021 STUDENT CHAPTER LEADERS

New Student Chapter Leaders were elected this spring from the rising-senior class. Those leaders are:

President, Ben Kicklighter

Vice President, Aidan Puccio

Treasurer, Ronald Flowers

Social Chair, Kyle DiLiddo

Secretary, Kaleb Hyland

Faculty Advisor, John Ryan

STUDENT HIGHLIGHTS AND DISTINCTIONS



The Citadel's School of Engineering inducted 125 students into the Order of the Engineer during the 26 Jan 2021 ceremony. During the ceremony, initiates pledge to foster a spirit of pride and responsibility in the profession. Members wear a ring on the little finger of their working hand to remind them and others of the weight of working as an engineer.



The Department's traditions continue even in the age of COVID. The annual ASCE Christmas Party was held, with the addition of masks and social distancing. Even with the restrictions, Santa was able to make a visit and bring clever gifts.



Thanks to the tireless efforts of The Citadel's SWE chapter and SWE Lowcountry, nearly 80 girl scouts from across SC were able to come to campus to enjoy a day of solving creative engineering challenges during "Introduce a Girl to Engineering Day". Pictured are Citadel volunteers who hosted the event, all for the low cost of a pizza lunch.



2021 Recipients of the Col. Thomas C. Evans Jr. Award recognizing graduating students for significant achievement, exemplary academic effort, and consequential leadership. Candidates must be unanimously approved by Department faculty to receive the award.



Mrs. Stephanie Fye, Student Services Program Coordinator for the Department is recognized as The Citadel's 2021 Employee of the Year. She is the heart of the Department's student-care mission.



A special thank you to local companies who hosted our students for field trips, largely a function of our active and generous alumni.



ASCE New Faces of Civil Engineering- Cadet Emily Perkins



For the first time a Citadel student was recognized in ASCE's national New Faces of Civil Engineering Collegiate Edition. This award recognizes well-rounded students for their academic accomplishments and commitment to serving others. Cadet Perkins stood out for her cadet leadership and her passion for Fluid Mechanics in light of her future career in the US Navy.

GRADUATING CLASS SUMMARY

The 2021 graduating class received their diplomas during one of four ceremonies on Mother's Day weekend. The replicate ceremonies ensured that all graduates and a limited number of loved ones could attend in person while maintaining social distancing.

The CEE Department, awarded a total of 47 degrees. The breakdown by program and degree is shown below:

Degree	Program		
	Day	2+2	MS
CIVL	28	9	2
CONE	7	1	

We are so proud of all of our graduates' accomplishments during their time at the Citadel, but we are even more excited about what they will accomplish in the future. As of the time of publication, our CIVL alumni post-graduation plans include:

Graduate School: 5

Military Service: 9

Engineering Employment: 33

Save the Date

The Citadel's School of Engineering Annual Career Expo will be hosted **in-person** at the Citadel on Tuesday, 12 Oct, 2021. Registration will open in August. However, if your company is interested in participating, email <Derek.Harris@citadel.edu> to ensure you receive future information.

FACULTY AND STAFF NEWS

AWARDS & RECOGNITION

Citadel: 2020 New Faculty Excellence Award

Dr. Timothy Wood

ASCE: 2020 SC Educator of the Year

Dr. Kweku Brown

ASEE Southeast Section: 2021 New Faculty Teaching Award

Dr. Rebekah Burke

Citadel CONE Advisory Board:

Founding Faculty Award

Dr. Mostafa Batouli

Dr. Rebekah Burke

Global Academic Advising Assoc.:

2021 Excellence in Advising New Advisor Award

Mrs. Stephanie Fye

CIVL Department: 2021 Dr. Harry C.

Saxe Excellence in Teaching Award

Dr. Kweku Brown

Dr. Rebekah Burke

Citadel: 2021 Faculty Excellence Award

Dr. Kweku Brown

Citadel: 2021 Faculty Service Excellence Award

Dr. Dimitra Michalaka

Citadel: C.A. Medbery Award

Dr. Stephanie Laughton

ACADEMIC RECOGNITION

Tenure & Promotion to Assoc. Professor

Dr. Kweku Brown

Dr. Timothy Wood

Awarded Scholarly Sabbatical

(AY 21-22)

Dr. Mary Katherine Watson

FACULTY RETIREMENTS

Dr. Keith Plemmons (2019)

Dr. John Murden (2019)

Dr. Michael Woo (2020)

NEW FACULTY

Dr. John Ryan – 2019

Dr. Ryan joins the faculty after 22-years of industry experience. He contributes his expertise in structural design (especially with concrete) to the dept. His degrees are from Virginia Tech.



Dr. Ryan Giles- 2019

Dr. Giles joins the faculty from SUNY Stony Brook. He brings expertise in structural monitoring and modeling to a variety of structural courses. His PhD is from the Univ of Illinois at Urbana Champaign.



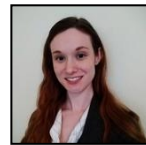
Dr. Nandan Shetty- 2019

Dr. Shetty joins the faculty from his PhD program at Columbia University and work with NYC Parks Dept. His expertise in hydrology, GIS, and green infrastructure makes him an ideal course instructor and undergraduate research mentor in the Lowcountry.



Dr. Stephanie Laughton – 2020

Dr. Laughton joins the faculty from her PhD program at Carnegie Mellon Univ. Her specialization in environmental engineering, and assorted other technical skills, contribute to courses for upper- and lower-classmen alike.



Ege Arslaner- 2020

Mr. Arslaner joins the faculty as the Laboratory technician for the department as well as an Adjunct Professor for structural laboratory courses. He received his MS degree from the University of Bologna in Italy.



20-21 DEPARTMENT

STUDENT AWARDS

Col. Loring Himelright Award

Hunter G. Hutton

Col. Louis S. LeTellier Award

Parker L. Bass

Samuel G. Blumer

Hunter G. Hutton

Colby A. Poplin

George Walker White Award

Lindsay B. Pierce

Eric T. Vettel

Col. Charles Lindbergh Award

Parker L. Bass

Brianna C. Rice

Col. Christopher S. Gadsden Award

Robert T. Crawford

Keegan P. Sherman

Thomas C. Evans, Jr. Award (Pg3)

Joseph P. Arnold

Brent D. Bachelor

Parker L. Bass

Samuel G. Blumer

Bryan R. Bocock

Matthew Bolick

McKinley N. Grooms

Joshua T. Leming

Corey S. McMillian

William T. Moorman

Kaitlynn C. O'Melia

Robert P. O'Neal

Lindsay B. Pierce

Colby A. Poplin

Anthony B. Sands

Garrett J. Sebold

Keegan P. Sherman

Chien Shih

Jacob M. True

Cody A. Turner

John H. Vallos

Colton J. Webster

Benjamin Sammis Civil Engineering Award

Emily Perkins

Pei Hsuan Lu

GIVING TO THE CEE DEPARTMENT

Sustaining levels of student success highlighted in this newsletter is greatly aided by support from our benefactors. If you wish to help, you can contribute by making a donation **designated for Civil & Environmental Engineering** through The Citadel Foundation at <http://foundation.citadel.edu/> or call CEE at 843-953-5083.

Newsletter Prepared by: Dr. Laughton. To submit comments or content for the Winter Newsletter, email <SLaughton@citadel.edu>