

The Citadel School of Engineering Good News

October 2022



Electrical & Computer Engineering Department Hosts STEM Outreach

The Citadel Department of Electrical and Computer Engineering hosted 8 separate groups of elementary school students from Richland County School District 2's ALERT program. As part of the program, the students are learning about the field of engineering and faculty members from the department talked to the students about what it means to be an engineer and discussed the specific types of engineers. The students then learned about electrical and computer engineering. To learn about electricity, the students made their own construction paper flashlights using a battery, copper tape and an LED. To learn about computer engineering, the students explored the first steps in building an AI assistant – speech recognition. This was done by having them look at their own names as a computer would see them. They were allowed to take home both their flashlights and the voiceprint of their name. Photo credit: Mark McKinney

Mark McKinney on ABC TV for EVs

Dr. Mark McKinney, ECE Department Head, was featured recently on ABC 4 News TV. He spoke on the state's investment for EV infrastructure. Please check out the video of the news story here: <https://tinyurl.com/soeevmm>.

CSOE is a new KEEN Partner Campus

Our faculty have been invited to join an exclusive network of premier engineering colleges to incorporate entrepreneurial mindset in the curriculum. Please read more on Citadel Today <https://tinyurl.com/soekeenjoin>.

BIIG DOGS hosts Dr. Deirdre Ragan

Dr. Deirdre Ragan, Mechanical Engineering, will lead an interactive session with the first-year engineering students on October 18. Col. Nicholas Anderson will speak on military careers. Read more <https://tinyurl.com/soebiigd>

Civil, Environmental, & Construction Engineering Department Wins National Education Award

Dr. Jeff Davis, Department Head, Dr. Dan Nale, and students in Civil, Environmental, and Construction Engineering won a national award for their capstone design project. The South Carolina Board of Registration for Engineers and Surveyors is awarding the department's students and faculty with a national award for their highly successful project: 2022 Designing Advanced Air Mobility Infrastructure: Multidisciplinary Capstone. Only 1 of 8 nationally recognized colleges/universities were given this honor.

Engineering Expo Brings National Lab Scholar, AI, and an Evening with Industry

October brought Engineering Expo week for the School of Engineering with over 180 students visiting with engineering company representatives on campus for internships and permanent positions. Engineering Expo included an Evening with Industry event that involved students interacting with Gold Sponsors to create value by working to improve the internship experience. A hands-on AI workshop was provided for students to learn the fundamentals of machine learning. Dr. Srijib Mukherjee, Oak Ridge National Labs, spoke on electric vehicles and autonomous car ethics. Photo credit: Andrew Williams



Monika Bubacz New Mechanical Department Head

Dr. Monika Bubacz began her new role as Department Head for Mechanical Engineer this Fall. Dr. Bubacz has been at The Citadel since 2014 and recently served as Chair of the Faculty Senate. See <https://tinyurl.com/soemb2022>.

SOE Grad Assistant Gears Up for Soccer Match

Kristi Jones, School of Engineering graduate student in Leadership, and The Citadel soccer team hosts UNC-Greensboro at WLI field on campus Friday, October 21 @ 3pm.



THE CITADEL
SCHOOL OF ENGINEERING

Educating Innovative Engineers that Impact the World