Conferences, Workshops and Symposia Attended by Faculty  
2012-2013

Dean Welch attended ASCE ExCEEd Teaching Workshop: July 21 – 26, 2013

The ASCE Excellence in Civil Engineering Education (ExCEEd) teaching Workshop began in 1999 at the United States Military Academy (USMA) as a continuation of the Teaching Teachers to Teach Engineering (T4E), a NSF funded project at USMA. Every year, except in 2013, there has been at least one of the workshops for 24 participants held at West Point. Starting in 2000, there has been at least one other site where a workshop for 24 participants has occurred. In 2013, the only site was at Florida Gulf Coast University in Fort Meyers 21-26 July where Dean Welch was one of the 6 mentors and 3 demo class providers. Dean Welch has been a Mentor, demonstration class/seminar presenter/program director for the ASCE ExCEEd (Excellence in Civil Engineering Education) Teaching Workshop since its inception in 1999. He last directed one of the sites in Tyler Texas in 2011. This is a one of a kind teaching workshop where the participants must teach 3 lessons in front of their peers and receive assessment based on the pedagogy presented within the workshop. There have been over 30 workshops, with 693 graduates, representing 230 institutions. Improving the quality of civil engineering education directly impacts the quality of the CE graduates entering the workforce.

Dr Charles Skipper presents at Annual EPOS Conference: 9-11 July, 2013

Dr. Skipper attended the annual Engineering Project Organization Society (EPOS) Conference at Winter Park, Colorado from 9-11 July, 2013. The conference was attended by 65 people from 17 different countries, presenting technical papers on Engineering Project and Program Research. Dr. Skipper presented a paper that he and Dr. Keith Plemmons had collaborated on: Graduate Leadership and Management Education for Professional Development. In addition to Dr. Skipper, only one other conference attendee represented a non-Tier I Research University.
Dr. Kevin Bower, Dr. Kenneth Brannan, Dr. William J. Davis, Dr. Ronald Hayne, Dr. Mary K. Watson, Dr. Ronald Welch, and Dr. Michal Woo attended the conference in Atlanta, GA along with approximately 4,000 students and engineering educators from around the world.

“The Online Revolution, from E-Books to MOOCS – Coping, Adapting and Embracing” Dr. Michael Woo attended workshop, 120th American Society for Engineering Education Annual Conference, Atlanta, GA, June 2013.

Enhancing Student Success through a Model Introduction to Engineering Course: May 22-24, 2013
Professor Kaitlin Marley attended a short course led by Dr. Raymond B. Landis. The course focused on methods to positively change student attitudes and behaviors through community building, professional development, academic skills, personal growth, and college life orientation. Attendees learned how to create a strong sense of community among students, motivate student learning in class, and facilitate effective student study skills. Information from the course is being used to improve Introduction to Civil and Environmental Engineering (CIVL 103) and techniques are being piloted in all 6 sections of the freshman course this fall semester.

IEEE Southeastern Conference: April 4-7, 2013
Electrical and Computer Engineering professor, Dr. Ron Hayne, and six members of The Citadel’s IEEE Student Chapter attended the 2013 IEEE Southeastern Conference in Jacksonville, FL. A four-student team represented The Citadel in the hardware competition, finishing in the top third of the 51-team field.
ECE professor Bob Barsanti presented his paper, co-authored with his senior student, Athanasios Athanason, “Signal Compression using the Discrete Wavelet and Cosine Transforms,” in the conference’s technical program.
Electrical and Computer Engineering Department Head Association annual meeting: March 22-26, 2013
ECE Professor and Head, Dr. John Peeples helped organize and chaired two sessions of this annual meeting in Orlando, FL of nearly 200 ECE department heads from across North America. Dr. Peeples moderated an industry roundtable to open the conference, and organized and moderated a panel on “Sponsoring Electrical and Computer Engineering Entrepreneurship”. Dr. Peeples is the 2014 Vice President of ECEDHA.

American Society for Engineering Education-Southeastern Section Conference (ASEE-SE), March 2013, hosted by Tennessee Technical University, Cookville, TN, Dr. Michael Woo attended workshops and presentations.

10th AMERICANA International Environmental Technology Trade Show and Conference, March 2013 at Montreal, Quebec, Canada, Dr. Michael Woo attended workshops and presentations on mines and groundwater, soils and groundwater, dredging and soil treatment and urban water infrastructure.

“Lifecycles of Yellow Centerline Markings on Primary and Secondary Roads in South Carolina,” Technical presentation made by Dr. William J. Davis at the 92nd Annual Transportation Research Board Meeting “Deploying Transportation Research,” Washington, DC, Jan. 2013. This conference is sponsored annually by the National Academy of Sciences and attended by 12,000 transportation researchers and national leaders, including the US Secretary of Transportation.

ECE Professor and Head, Dr. John Peeples again served as organizer of, and chaired a session on “High Thermal Conductivity Materials, at this annual Silicon Valley workshop.
Citadel Chapter of Society of Women Engineers (SWE) Attends National Conference: November 10 – 12, 2012

Six cadets, one evening student, and a faculty advisor traveled to Houston, Texas, to attend WE12, the national conference of the Society of Women Engineers (SWE). The Citadel students joined over 5000 collegiate and professional women engineers that gathered to network and develop professionally. As part of the conference, students attended a Career Fair with more than 200 participating companies, government agencies, and universities. The students also attended the Region D meeting, seminars on outreach activities, the Celebrate SWE banquet, and various workshops targeted at making them successful engineers. Workshop topics included “Creating a Culture of Success for Women in Engineering” and “Rapid Resume Review” among many others. The students benefitted tremendously from interaction with successful women in engineering fields. In particular, they enjoyed meeting Dr. Ellen Ochoa, the Keynote Speaker and Deputy of NASA’s Johnson Space Center.
National Council of Structural Engineers Associations Annual Meeting, St.
Louis, MO, Oct. 2012, Dr. Tim Mays gave a 3 hour presentation highlighting books he has
authored and edited as part of the NCSEA Annual Meeting.

NSF Scholarships in Science, Technology, Engineering and
Mathematics (S-STEM) Grantees Meeting, National Science
Bower and Dr. William J. Davis attended conference as S-STEM grantees
and participated in sessions with 400 other NSF project team members from
colleges and universities around the US.

Industry and Government
Cyber Experts Meet on
Campus: June 5, 2012
On June 5, 2012 The Citadel School of
Engineering and the Association of
Old Crows (AOC) hosted a conference
on The Citadel campus. This
conference was the first technical
conference held on campus and it
showcased The Citadel and its support
for development of the technical and
cybersecurity workforce. The (AOC) held the first day of its conference at The Citadel and the
second day (classified portion) at SPAWAR Systems Center Atlantic. The conference consisted
of presentations and discussions relevant to capabilities and combat operations in the digital
spectrum. The Electronic Warfare (EW), Information Operations (IO) and Cyber Capabilities
for Air, Sea Battlespace Operations Conference was attended by over 100 representatives from
the Department of Homeland Security, Department of Defense, national laboratories, industry,
and The Citadel.

The highlight of the event was a panel discussion on the first day. The focus was on what actions
industry and academia are taking to train and support the capability needs of today’s combat
forces. During the session, Dr. Keith Plemmmons of the School of Engineering (SOE) made a
presentation on what The Citadel SOE is doing to address the graduate educational needs of its
students and their employers in the areas of project management, leadership, systems
engineering management and computer science. Dr Plemmmons also mentioned the planning
actions underway to pursue an undergraduate cyber program that fits so well the Citadel’s
traditional role in national defense. In addition to Dr. Plemmmons, the panel consisted of Mr.
Robert Giesler from Johns Hopkins University Applied Physics Lab, Mr. Ronald Hahn from
URS Corporation, and Mr. James Farwell from the Farwell Group.
“This was a terrific opportunity for The Citadel to share what we have accomplished in the past two years and what we plan to do in the future,” said Dr. Charles Skipper, PE, PMP, Director of Graduate and Professional Studies under The Citadel School of Engineering. “Several industry and DOD leaders in the room are already involved with our cyber advisory groups. They will continue to guide our actions to support the industry’s workforce development needs. This was a great conference and the right audience to hear our message.”