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318-257-4971

PO Box 10348
Ruston, LA 71272

Engineering Grads Honored at Awards Luncheon

Jerry L. Hudson (bachelor's chemical engineering '61, master's chemical engineering '75) was named **Louisiana Tech's 2011 Alumnus of the Year**. He addressed University administrators, family and friends at the annual Alumni Awards Luncheon held Homecoming weekend at the Tech Student Center. Jerry held positions with several companies during his career and retired as vice president/general manager of BE&K. He was captain of the 1960-61 Tech football team and Academic All-American in 1959. Jerry lives in Ruston and stays busy with all things Louisiana Tech, including serving on the Engineering and Science Foundation Board of Directors.



Charles Gandy (bachelor's electrical engineering '55) of Annapolis, Md., was also honored at the Alumni Awards Luncheon as the **College of Engineering and Science Distinguished Alumnus for 2011**. Gandy, who is now retired, spent his career working for the National Security Administration (NSA) and is included on their Wall of Honor. He was a top advisor to the White House and Congress on issues of national importance. Although he was unable to attend the ceremony, he was represented by Ruston-area family members.

Program News

Louisiana Tech to Offer new Cyber Engineering Degree

The College of Engineering and Science has added a new B.S. degree program in **Cyber Engineering (CYEN)** which integrates Electrical and Computer Engineering (EE/CE) concepts with Computer Science (CS). In addition to traditional foundation courses in the sciences and mathematics, the CYEN curriculum consists of a series of *cyber* courses that are part of its core. Combining intense coursework and open-ended problems, the projects-based cyber courses provide students with an immersive experience in cyber security. The overall goal of the CYEN program is to foster original thinkers, problem solvers (with an emphasis in the area of cyber security), and technical leaders prepared to effectively tackle new and unfamiliar problems.

There is an increasing demand from industry and government to prepare students to be technical leaders in the cyber security discipline with a thorough understanding of the associated security concerns, social and political impacts, and ethical consequences. Through its unique curriculum, the CYEN program elevates these important issues in a way that other engineering disciplines do not. Numerous opportunities in cyber-related fields exist within branches of the military, national research laboratories and industry.

Trenchless Technology Center Marks Milestone

November 2011 marks the **20th Anniversary** of the Trenchless Technology Center (TTC) at Louisiana Tech University. Over the past two decades, the TTC has become a leading research facility for the development of technologies influencing almost every aspect of trenchless construction methods and has served as a point of reference for representatives of the trenchless industry. Director Dr. Robert McKim says the center's staff should be credited for its success.



“The core of the TTC is research. We soon will enter our 21st year of operation with Research Director Dr. Erez Allouche leading a dedicated research staff and post-doctoral and graduate students conducting \$1.5 million a year in research, ranging from installation of new piping to the inspection, assessment and rehabilitation of existing piping systems.”

Key research programs recently initiated involve the utilization of ultra-wide band signals to see through pipe walls, development and testing of high-temperature cured-in-place-pipe (CIPP) resins, the use of polymer sprays for pressure and non-pressure pipe rehabilitation, and the use of geopolymer concretes. To learn more, go to <http://ttc.latech.edu>.

Cyber Innovation Center and Tech Co-host Cyber Engineering Conference

Louisiana Tech University and the Cyber Innovation Center (CIC) in Bossier City co-hosted a Cyber Engineering Research Conference, November 7th at the Shreveport Convention Center. Speakers from the U. S. Air Force Research Laboratory, Boeing, Northrop Grumman, Dell SecureWorks, CenturyLink, Hitachi, and the Louisiana Optical Network Initiative (LONI) were just some of those participating. Following the conference, Tim Elmore, author of the best-selling book, *Generation iY*, spoke to the group.

Alumni News

Engineering Grad Named Fall 2011 Commencement Speaker

E At the Fall commencement ceremony on Saturday, November 19, **George Baldwin, Jr.** (bachelor's petroleum engineering '78) will discuss how success is a choice with Louisiana Tech graduates. Baldwin is a petroleum engineer and principal of Baldwin Madden Energy, LLC in Shreveport.



Baldwin became president of Brammer-Keystone in 1997 and presided over the reorganization of the company into EnSight Resources and the eventual sale of the company in 2001. Baldwin, together with his longtime business associate, friend and fellow Tech graduate, Greg K. Madden (bachelor's petroleum engineering '81), then successfully built and sold EnSight Energy Partners and EnSight III Energy Partners in 2005 and 2008, respectively. Following the sale of EnSight III, Baldwin and Madden formed their current venture and remain active in oil and gas acquisitions and development in Arkansas, Louisiana, Texas and Mississippi.

Baldwin has been married to his college sweetheart, Jean (bachelor's elementary education '77, master's counseling '96), for 33 years. They have two daughters, Mary Kathleen Baldwin of Fort Worth and Molly Kristen Baldwin of New York City.

The Fall commencement ceremony will begin at 2 p.m. at the Thomas Assembly Center.

Alumnus Gives Back

A **Jeff Beasley** (bachelor's chemical engineering '96, master's chemical engineering '98) is currently a drilling engineer with Chevron Corporation in Houston, and he is working to help improve the completion processes of oil and gas wells by collecting data and analyzing it in a real-time environment. Beasley has been involved for many years with all types of drilling rigs including drill ships, semi-submersibles, jack-ups, floating production platforms, traditional land rigs and high-tech flexible land drilling rigs. He has also worked on rigs all over the globe, including the Gulf of Mexico, Louisiana and through the Rocky Mountains. By collecting data that is provided to a real-time center in Houston and then analyzed, Beasley and his colleagues can be proactive and better prepared for possible critical events such as equipment failure.

Analyzing and gathering data for the center often keeps him working long hours for days in a row, but he has always had time for his alma mater. This summer, Beasley set up an engineering scholarship at Louisiana Tech "because someone did the same thing for me when I was attending school there."

Beasley is pleased that the University has retained its family-style environment and kept class sizes small. "My strong feelings for Louisiana Tech are rooted in the way the University positioned itself to not only keep up with the norm, but exceed expectations while maintaining its integrity," said Beasley. He believes that the University's personal touch makes it easier for students to be successful and better prepare themselves for the future.

Beasley and his wife, Keisha, have one son, Javione. Jeff's parents are Samuel Beasley, Sr., and Nettie Beasley of Zwolle, Louisiana.

If you know of a College of Engineering and Science alumnus who has an interesting story, contact Catherine Fraser at cfraser@latech.edu

Homecoming 2011



Jerry Hudson, 2011 Alumnus of the Year, poses with Dean Stan Napper following the Alumni Awards Luncheon.



Charles Gandy's family accepts the College of Engineering and Science 2011 Distinguished Alumnus award on his behalf from Dean Stan Napper.



Russell Marsh (B.S. CMEN '60, M.S. CMEN '62) of Alexandria (right) visits with friends at the College of Engineering and Science tailgate prior to Tech's Homecoming football game October 29.



The Louisiana Tech Band of Pride leads the Bulldogs into Joe Aillet Stadium prior to the start of the Homecoming game against San Jose State.