Dr. Joe DiPietro was elected the 24th president of the University of Tennessee by the Board of Trustees on October 22, 2010. He officially took over the position from Interim President Jan Simek on January 1, 2011.

DiPietro was the chancellor of the UT Institute of Agriculture from 2006 to 2010. He is a trained veterinarian, with an emphasis in veterinary parasitology. He earned his bachelor’s, master’s and doctor of veterinary medicine degrees at the University of Illinois, Urbana-Champaign. Prior to coming to UT, DiPietro served as dean of the College of Veterinary Medicine at the University of Florida from 1997 to 2006.

DiPietro is enthusiastic about the future of the university and has already established a number of longterm goals. “First of all, I want to maintain the current system that was set up under Dr. Simek prior to my coming into office,” DiPietro said. “The chancellors should have the operational duties for their individual campuses. We’ve found that this works better longterm for everyone. Secondly, I want to make sure that we do an in-depth analysis for each unit, to make sure we are working to meet the goals that have been established. Thirdly, we want to garner additional resources as the economy continues to improve. I’m particularly concerned with compensation issues, since we are falling behind our peer institutions with what we pay our faculty and staff. We’ve set up a five-year plan with the Compensation Advisory Board (CAB) to review these issues.”

DiPietro comes into the president’s office after one
As I drive in to work each morning, I usually get a good dose of bluegrass music on XM radio to start my day off! Yes, I am a bluegrass fan and play a good dose of bluegrass music on XM radio to get you came from, and look out where you’re going.”

DiPietro also wants to see the ORNL connection to UT and ORNL focused on renewable energy that are happening. Please let us hear from you and share with us the accomplishments that you have made in helping to make a positive impact on the world.

One of the university’s biggest challenges is to team approach all the way from our Freshman engineering college get bigger and better all of the time, and as best as I can tell from our historical data, we are at an all time high enrollment.

Another thing that I learned as a bluegrass picker is that you can never go back—if you make a mistake while picking a tune with a group, you just have to go on as the best of the group will carry you forward. Engineering teamwork is very much that way. Our college continues to make major steps forward in the number and quality of students that we are able to educate because the faculty, staff and the administration act as a team. If someone makes a mistake, we hopefully continue to move forward as a team. We teach the team approach all the way from our Freshman engineering program to the research laboratories where our faculty/students team to conduct state-of-the-art research. You (our alumni and friends) are also an integral part of our team. You and the many alumni who came before you collectively created scholarships, provided opportunity for student, faculty and staff awards, created professorships and provided funds that have assisted us with new buildings and renovations that are all critical to our moving forward.

I have never been prone of being a part of the engineering team than I am today, and I hope that each of you feels the same as you browse our newsletter that highlights many of the great things that are happening. Please let us hear from you and share with us the accomplishments that you have made in helping to make a positive impact on the world.

Meet the New President continued from page 1

of the most economic revolutions in history, and he follows three preconceptions who all left office under troubled circumstances.

However, DiPietro views the challenges he faces as part of the job, and feels confident that he can work to make a change for the better.

I believe in the ‘servant leadership’ management style,” he explained. “For me, it is all about the team. I want to build teams here at UT that can sit at the table with me and tell me what is right—not what they think I want to hear.”

One of the university’s biggest challenges is to overcome the 20% cuts that will be coming up in the next budget cycle as a result of the end of federal stimulus funding. DiPietro wants to focus on expanding development efforts through prioritizing the UT Foundation, which will allow the university to hire additional development officers who will be able to raise more private dollars.

DiPietro views the UT College of Engineering (CCE) as a vital component of the university.

“A strong, vibrant engineering program is an important part of any land-grant institution,” DiPietro commented. “I want to see the UTK engineering college get bigger and better all of the time. We are very fortunate to have the alliance with Oak Ridge National Laboratory (ORNL), which adds a significant boost to our research programs.”

DiPietro also wants to see the ORNL connection expand to other collaborations with the UT Health Science Center in Memphis and the SimCenter National Center for Computational Engineering at UT-Chattanooga. He is an enthusiastic supporter of the new Center for Interdisciplinary Research and Graduate Education (CIRE), a joint effort between UT and ORNL focused on renewable energy that grants fellowships to graduate students.

DiPietro is also excited about the number of new facilities being constructed on campus, including the CEE/Miss. H. Kao Electrical Engineering and Computer Science Building, the John Tickle Engineering Building and the John Tickle Advanced Materials (JAM) Building, which will be the first structure on the new Cherokee Farm Campus.

“We see Min Kao and John Tickle an enormous debt of gratitude for their incredible generosity,” DiPietro said. “These new engineering buildings will be a tremendous asset to our campus. We hope to begin the construction of the JAM building this spring once the infrastructure is in place.”

DiPietro understands that he has a number of daunting tasks ahead of him, but he is ready to take the lead.

“I’ve come to know and love the state of Tennessee and its people,” he said. “I think I’ve finally got the ‘orange’ right—know I have the skills and experience to take on the role of president and lead the university to a better future. It will be a big challenge, but I think that I can drink from the fire hose occasionally.”

For more information about UT’s new president, visit the online version of Tennessee Alumni at http://alumni.utk.edu/.

From the Dean’s Desk
Dr. Chris Cherry, Department of Civil and Environmental Engineering

Dr. Chris Cherry, an assistant professor in the Department of Civil and Environmental Engineering (CEE), is intrigued by China’s transportation system and its environmental, economical and safety characteristics.

More specifically, Cherry is passionate about researching electric two-wheelers in China, which began when he was a graduate student in 2005. Starting in 1998, he had already made several trips to China as an undergraduate and became interested in the country’s transportation system. On his return in 2003 to search for a dissertation topic, he noticed that cities were full of electric two-wheelers.

“Even more interesting was the policy debate that was swirling around them,” Cherry said.

In Cherry’s article, published in the fall of 2010, “Electric Two-Wheelers in China: Promise, Problem, and Challenge,” he explores the potential of electric two-wheelers—a category that includes vehicles ranging from electric bicycles to electric motorcycles—to have a significant impact on China’s transportation system and its environmental, economical, and safety characteristics.

In the classroom, Cherry teaches students that transportation systems are always changing.

“I hope that my students will understand that we don’t have all of the answers,” Cherry said. “Even if what we know is printed in a textbook or manual, that doesn’t make it the final word. One transportation system is dynamic and constantly evolving because people are participating. As such, what we understood about transportation a few years ago might not be the complete picture today. We need to always keep the learning continuous.”

“Dr. Chris Cherry represents the vision of the current faculty and the leadership of the Department of Civil and Environmental Engineering,” said Dr. Dipakar Penmamadi, CEE Department Head. “This faculty dedicate themselves to solve complex interdisciplinary problems of international significance, create new knowledge, effectively integrate research into teaching, and become a true teacher-scholar with highest integrity, and inspire young minds at the university to be life-long learners to make a difference to this community and the great state of Tennessee.”

Cherry received the 2009 Faculty Environmental Leadership Award designed to recognize teaching and research awards during his career at the University of Tennessee.

The future is looking bright for the College of Engineering’s (COE) Department of Industrial and Information Engineering (IIE). There are several reasons for this renewed optimism.

Dr. Rupinder (Rippy) Sawhney, who has been a faculty member with IIE for almost two decades, was named as head and Weston Fulton Professor in 2010. He is also a faculty member of the Center for Interdisciplinary Research and Graduate Education (CIRE), a joint effort between UT and Oak Ridge National Laboratory (ORNL) focused on renewable energy.

Sawhney has received numerous teaching and research awards and is the current holder of the prestigious COE Teaching Fellow Award and the COE Research Fellow Award, which is fully dedicated to the research of the department.

“The College of Engineering and IIE faculty and staff have worked together to develop a vision, an associate plan and the fortitude for implementing changes,” Sawhney said. “The theme is being ‘relevant to society,’ which will balance our changes with the strengths of industrial engineering.”

Sawhney added that the plan is based on four primary objectives: develop department infrastructure/capabilities; enhance research productivity; design an optimal student educational experience; and develop stakeholder partnerships.

Dr. Lee Martin, a COE mechanical engineering graduate and former member of the college’s Board of Advisors, is now a research professor in IIE and the head of the department’s Research Interest Committee. Martin is working with Dr. Stepping Li, Dr. Haiqin Liao and Dr. Xiaoan Zhu to create the Education, System Analysis and Application Center (ESAAC). ESACC’s mission is to bridge the chains from concept to marketplace, using 21st-century systems and networks to enhance the economic potential of ideas generated by students and faculty at UT.

The department also is focused on increasing the number of laboratories. IIE faculty have recently created the RFID Supply Chain Laboratory, which is dedicated to the revival of the department.

One of Sawhney’s priorities is to have a department that is managed by efficient systems that serve all stakeholders well. Dr. Hal Aikens, an IIE professor and a quality and organizational expert, is leading this effort with Kirsty Walker, the new IIE business manager, and James Berry, the department’s assistant dean.

“Our goal is to automate all of our department’s processes and streamline how we function,” Walker said. “Since IIE is focused on systems, we need to look at how we do things internally as well.”

Enhance Research Productivity

The department has seen improvements in its research funding, publications and enrollment.

“Industrial engineering is all about systems—health care, homeland security, transportation, energy, supply chain and communications,” the Student Interest Committee chair, Dr. Greg Sedrick, said. “It is a topic where we can make a tangible difference in society, for better or worse.”

Dr. Dayakar Penumadu, CEE Department Chair, said Dr. Chris Cherry has been an inspiration to the CEE Department. “We need to always keep the learning continuous. Our transportation textbook or manual, that we know is printed in a word. Our transportation systems are dynamic and constantly evolving because people are participating. As such, what we understood about transportation a few years ago might not be the complete picture today. We need to always keep the learning continuous.”

Sawhney commented. “The department has included in this series an executive from the Summit Medical Group, the president of HGTV, administrators/researchers from ORNL, TVA and Y-12, and we have also put out an invitation to the Knoxville Chief of Police and the City of Knoxville mayor to be a part of the series.”

Another exciting new initiative in the department is the Engineering Entrepreneurship Program (EEP), headed by Marta. EEP offers both an undergraduate minor and a master’s credit. Martin, a successful entrepreneur himself, is enthusiastic about the opportunities the program offers.

“First, it is a chance for direct exposure of our students to entrepreneurial opportunities in our area—firms that have sat in their seats years ago and found a way to create value from their ideas,” Martin said. “As a result, we INSPIRE students that may desire this career path but do not have a vision of what it looks like. Secondly, we begin to expose them to the
Area High School Students Participate in Engineers Day 2010

The College of Engineering (COE) held its 2010 Student and Donor Appreciation Luncheon on Thursday, Sept. 23 in the University Center Ballrooms.

More than 130 COE faculty, staff, students, donors and guests attended the event which allowed donors and scholarship recipients to converse over lunch.

Dr. Masoud Parang, Associate Dean for Undergraduate Affairs, was master of ceremonies for the event.

Ben Farr, a senior in the Department of Nuclear Engineering, made student presentation remarks to the guests.

COE Dean Wayne Davis introduced the guest speaker Bill Glover, president of BGI, who gave a glimpse into the behind-the-scenes of a start-up.

“Entrepreneurship is the bridge between engineering and business,” Martin commented. “Entrepreneurship is a skill set that we can teach to our students, and that we need to have in our community.”

Industrial Engineering continued from page 5

chain that can effectively provide thousands of units on demand. Entrepreneurs need access to this expertise that looks at a product not only from a technical feasibility standpoint, but also from a financial viability standpoint. As production means catch up in the new energy that surrounds the department, and student responsibilities. After graduation, Glover and Parker plan to pursue their ideas, and growing an Internet start-up is on their minds.

Entrepreneurship.

Glover enrolled in the College of Business in January 2010, Kaliv’ Parker, a junior in the Department of Industrial and Information Technology, said. “Early on, I realized the significance of the financial capital of the world was unreal,” Glover said. “I had to rely on broad information provided by a company who paired me with the family.”

When he arrived back in the United States in January 2010, Kaliv’ Parker, a junior in the College of Business, and Glover started writing the business plan for HowStTheLiving.com, a Web site whose mission is to “help you make informed locations while at school, attending a university in the U.S. or abroad.”

Glover and Parker then entered their plan into the 2010 Undergraduate Business Plan Competition sponsored by the Anderson Center for Entrepreneurship and Internotion in the College of Business, where they received guidance to further develop their plan. They were featured on four episodes of mtvU’s Movers & Shakers and had the opportunity to attend the New York Stock Exchange (NYSE) Movers & Shakers Forum, ring the bell at the NYSE and present their plans to a panel of industry executives.

“Entrepreneurship is an engineering education has helped me create and grow this family business,” Glover said. “One of the cornerstones of an engineering education is a solid critical thinking and analytical foundation,” Glover said. “My ability to plan, create and grow HowStTheLiving.com depends largely on my ability to foresee future scenarios and to think through complex strategies. My industrial engineering education has helped me with this and has also given me a glimpse of the technical and business sides, which is always helpful in creating and growing an Internet startup company.”

The College of Engineering’s Entrepreneurship program played a large role in Glover’s success. In the spring of 2010, Glover entered The Fall of 2010, Glover entered COE industrial engineering student Aeron Glover (left) and College of Business student Kaliv’ Parker (right) were winners of the world business competition.

Martin was recently hired by the UT College of Engineering to create the Engineering Entrepreneurship Program. He is a holder of 20 U.S. patents, author of the book Techonomics, and is a mentor for many area entrepreneurs.

With the seed money grant, Parker and Glover are reinventing their Web site. They will receive feedback from students and others every year concerning Web site additions that would make the user experience more enjoyable. Because of that, they plan to build their database of universities and student housing. Their growth milestones schedule outlines a plan that will add to their database thousands of universities both in the U.S. and other top countries where U.S. students study abroad. They also plan to hold different promotional contests to draw students to the site to stake the track.

Glover credits a lot of his entrepreneurial characteristics to his engineering background.

One of the cornerstones of an engineering education is a solid critical thinking and analytical foundation,” Glover said. “My ability to plan, create and grow HowStTheLiving.com depends largely on my ability to foresee future scenarios and to think through complex strategies. My industrial engineering education has helped me with this and has also given me a glimpse of the technical and business sides, which is always helpful in creating and growing an Internet startup company.”

Martin plans to graduate in the spring of 2012, although he admits that deadline could change to ensure that he keeps a healthy balance of classes and growing HowStTheLiving.com, along with other campus responsibilities. After graduation, Glover and Parker plan to pursue HowStTheLiving.com full time. The goal of becoming the de facto standard in student housing reviews.

Glover offered up a piece of advice to aspiring entrepreneurs: “The achievement of your entrepreneurial and life goals requires an on-site mindset and on-fire actions. Have passion, and love what you do,” he said.

Episodes of HowStTheLiving.com can be viewed online at http://www.mtvu.com/howstliving. To learn more about the Engineering Entrepreneurship program, visit http://www.engr.utk.edu/ceh/.

Industry

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.

Entrepreneurship.
The overall theme of the TN-SCORE was Knoxville. A total of 14 entities applied for the education. The total of the grant awarded through within Tennessee’s research base. And Mathematics (STEM) researchers by University of Tennessee System, the a grant for a proposal submitted by the. In October of 2010, the Tennessee State statewide block for the funding. However, the of five EPSCoR districts four years ago. This discovery, innovation and overall knowledge-strategic programs and opportunities for EPSCoR (NSF) in its efforts to strengthen research and established in the 1970s. The mission of EPSCoR program devoted to increasing Tennessee’s research. “Pete” Counce and Dr. Stephen Paddison as well as other academic institutions in the Science. A faculty contingent from Vanderbilt, as well as other state and private universities and colleges. University of Tennessee participants in Thrust 3 included Dr. Ali Pathy from the Department of Electrical and Biomedical Engineering professor Dr. Ramiki Kayaramana, Dr. Gerd Duscher, Dr. Ben Hu and Dr. Phil Rack from the Department of Materials Science and Engineering. Dr. Zawodzinski and many more from the same academic interests. was also involved. Dr. Sandy Rosenthal of Vanderbilt leads this Thrust. Each thrust team will contribute to the technology innovation base being developed in Tennessee to add value to the research enterprise in the state. Also, each thrust includes an aggressive outreach and educational effort as part of the work. With the support of the EPSCoR funds, the overall goal of the proposal is to improve the competitive standing of Tennessee’s technologies in the marketplace. Titled “Tennessee Solar Conversion and Storage using Outreach, Research and Education (TN-SCORE),” the proposal focused on outreach and educational efforts. The total of the grant awarded through EPSCoR was $20 million, $10 million of which was designated for the University of Tennessee, Knoxville. A total of 14 institutions applied for the grant and seven received the funding, which will be spread out over a period of five years. The State Economic Development Committee’s education disbursement of the EPSCoR funds, while the overall coordination of the proposal is supervised by Dr. David B. Eldridge, Professor of Chemical and Biomolecular Engineering; Dr. William E. Davis, the Vice President for Research and Economic Development, the Principal Investigator of the project. The overall theme of the TN-SCORE was alternative energy technologies, which complement several recent statewide research and demonstration initiatives and industry recruitment successes.

Real Problems Make for Real Learning
Breast cancer, battery design, solar houses, Alzheimer’s disease, mobile food irradiation and bridge expansion are just a few examples of the COE’s capstone design projects.
The 2011 host will be Dr. Dieter Rombach, or distinguished software engineer. Visitation with a distinguished software engineering new award, named for Mrs. Luella Mills and her has been selected as the first Mills Scholar. This Dr. Jesse Poore, professor in the Department of Electrical "For example, Vanderbilt has already sent us thrusts will be developing new materials. Early at least one graduate student funded by EPSCoR Laboratory (ORNL) will also be a factor. We'll have connection that UT has with Oak Ridge National infrastructure," Zawodzinski added. "The "Our main goal is to build relationships across recognized excellence and provide a unique "Our intent is for the Mills Scholar award to problem; except he had solved the problem, except Harlan had solved the problem." Mills became the first president of the company Mathematics in 1958, and was with IBM from 1964 to 1982. For 15 years, he held the prestigious title of IBM Fellow. "Dr. Poore's global connections provide the opportunity that coupled with the Mills Scholar support could transform a student's career. Dr. Poore has a long history of innovation at the University of Tennessee." Poore received the 2001 IEEE Computer Society software engineering research award. "We've learned over four decades how to stay "I remember joining the 'work-shop' program in the microbiology lab, attending football and basketball games, walking the hill to Ayres Hall, and especially receiving my diploma at Steely Athletic Center, with Governor Winfield Dunn speaking." After graduation in 1973, Eversole joined Texas Instruments (TI). Although the Eversole initially thought his salary of $1,000 per month was all the money in the world, even in the early seventies it didn’t take them long to figure out that wasn’t the case. "Our main goal is to build relationships across the state to improve Tennessee's research infrastructure," Zawodzinski added. "The connection that UT has with Oak Ridge National Laboratory (ORNL) will also be a factor. We'll have at least one graduate student funded by EPSCoR doing research at ORNL in our thrust area." One of the primary directives of research for all thrusts will be developing new materials. Early collaborations have already begun. "For example, Vanderbilt has already used us polymers that are prepared as spin-logs. Zawodzinski said: "We deposited fuel cell catalysts onto nanofibers to see if they work in tandem." In addition to the research advancements offered through the EPSCoR funding, Zawodzinski emotions long-term developments at UT. "We are planning to create a lab on the second floor of Dougherty which will be called the "BRANE Lab," Zawodzinski commented. "It will combine functions as a research, training and teaching lab where students can do advanced fuel cell and battery design, construction and testing and other more complex research. We’re already working on the designs." "Eugene ‘Gino’ Lamb, senior in computer science, has been selected as the first Mills Scholar. This new award, named for Mrs. Luella Mills and her late husband, Dr. Harlan Mills, is sponsored by the Harlan D. and Luella C. Mills Scholarship Endowment. It will provide a semester or summer visitation with a distinguished software engineering center, high-quality software industry teams, or distinguished software engineer. Visitation instructions will be sought worldwide and will be designed to give the student professional connections and a spectacular academic experience. The 2011 host will be Dr. Dieter Rombach, Executive Director of the Fraunhofer Institute for Experimental Software Engineering (IESE) in Kaiserslautern, Germany. Dr. Jesse Poore, Ericsson-Harlan D. Mills Professor, chairs the selection committee and notes that this first assignment is especially fitting since Dieter Rombach and Harlan Mills were colleagues at the University of Maryland. Recognized as one of the foremost research institutes in the area of software and systems development, the Fraunhofer Institute develops software technologies for a range of industries and with small companies as well as large corporations. Harlan was a brilliant man whose mathematics career began when one of his professors at Iowa State presented the class with a supposedly unsolvable problem from Princeton 's University ‘s math faculty," Poore said about his friend and colleague. "At the next class, Harlan thought he had obviously made an error because he had solved the problem, except Harlan had solved the problem.” He was awarded a Ph.D. in mathematics from Iowa State University in 1952 and then joined the Princeton Institute for Advanced Study. Mills became the first president of the company Mathematics in 1958, and was with IBM from 1964 to 1982. For 15 years, he held the prestigious title of IBM Fellow. "Mills' connection with the University of Tennessee, Knoxville came through Poore with whom he co-founded Software Engineering Technology, Inc., later acquired by an Ericsson subsidiary. Together Luella and Harlan—who were high school sweetheart-turned-married couple—the world. She is a professionally trained singer and continues to be active in the Vero Beach music community. Lamb currently works with Poore’s Software Quality Research Lab (SQRL) and is helping to design and develop software engineering tools to implement methods developed by our recent doctoral students. He will be affiliated with the embedded systems group at the IESE. Upon return to UT, Lamb will enter graduate school and resume his work with SQRL. A Mills Scholar will be selected each year from among highly qualified computer science majors based on the best invitation-student interest match. "I attended the University of Kentucky Extension in Hazard to prepare for a degree in the University of Tennessee’s electrical engineering program. After his freshman year in the program, Eversole and his high school sweetheart, Jenny Bowes, decided to get married. The young couple moved in with Jenny’s mother, who lived in Knoxville, and Eversole transferred to UT. "My best memories from UT include finishing my non engineering 'electives' so I could concentrate on engineering courses," Eversole said. "I also recall nipping in punch cards at the computer terminals in the basement of Fess Hall, and the program actually worked! I remember joining the ‘work-shop’ program in the microbiology lab, attending football and basketball games, walking the hill to Ayres Hall, and especially receiving my diploma at Steely Atheltic Center, with Governor Winfield Dunn speaking." After graduation in 1973, Eversole joined Texas Instruments (TI). Although the Eversole initially thought his salary of $1,000 per month was all the money in the world, even in the early seventies it didn’t take them long to figure out that wasn’t the case. "I remember joining the ‘work-shop’ program in the microbiology lab, attending football and basketball games, walking the hill to Ayres Hall, and especially receiving my diploma at Steely Athletic Center, with Governor Winfield Dunn speaking." After graduation in 1973, Eversole joined Texas Instruments (TI). Although the Eversole initially thought his salary of $1,000 per month was all the money in the world, even in the early seventies it didn’t take them long to figure out that wasn’t the case. "I remember joining the ‘work-shop’ program in the microbiology lab, attending football and basketball games, walking the hill to Ayres Hall, and especially receiving my diploma at Steely Athletic Center, with Governor Winfield Dunn speaking." After graduation in 1973, Eversole joined Texas Instruments (TI). Although the Eversole initially thought his salary of $1,000 per month was all the money in the world, even in the early seventies it didn’t take them long to figure out that wasn’t the case. 
If you are reading this newsletter, then I suspect you consider education to be important. So do I, and the more I am immersed in this college, the more I am energized by both the content and approach of the engineering degree. Rigorous and intellectual, practical and useful, engineering education produces a mindset that applies to anything that needs solutions or innovation.

This is why I am proud to work with the college’s leadership to secure philanthropic investments that will propel the College of Engineering forward. Every donor at every level to any account in the College Fund for Engineering or to the Department Fund for any one of our seven departments. The 2011 commemorative medallion celebrating Dean’s Circle gifts ($1,000 or more annually), features the Min H. Kao Electrical Engineering and Computer Science Building. Endowments provide principal from which annual earnings finance professorships, scholarship stipends, or program support. Legacies can be left through Estate Bequests.

Investments are tricks-full of surprises. But I can assure you as an investment partner in the UTK College of Engineering enterprise, you will receive a priceless return on your investment-human futures.

Become a partner.
Dorothy Buckley Bryson, Senior Director, Engineering Development

The annual College of Engineering (COE) Alumni BBQ was held at 9 a.m. prior to kickoff of the UT v. Ole Miss football game on Nov. 13, 2010. There were 302 individuals in attendance, including alumni, faculty, retired faculty and students. Eleven student organizations, as well as the Engineering Professional Practice Office and the Jerry E. Stoneking Engage Program, showcased their projects and research for COE alumni.

“The annual Homecoming Engineering BBQ provides an atmosphere for our alumni and current and retired faculty members to reunite and ask questions about what the COE is doing today,” said Dr. Wayne Davis, COE dean. “I love being able to talk with our engineering alumni and their families and provide an opportunity for them to show their families where they went to school and give them a firsthand look into their college experience at the University of Tennessee, along with the many changes that are taking place. Hopefully, we will be able to provide tours of the new Min Kao Electrical Engineering and Computer Science Building next year, as it should be opened by Homecoming 2011.”

The event was catered by Dead End BBQ, which is co-owned by Robert Nutt, a COE alumnus. The new Electrical Engineering and Computer Science Building will be opened by Homecoming 2011. “The College of Engineering now has 2011-2012 year. He resides in Oak Ridge, Tenn.

Kevin Stockbury (BS/CE ’01) has been named the economic practices coordinator with ExxonMobil Qatar, Inc. He and his wife, Keri, have relocated to Doha, Qatar.

Kimberly S. Greene (BS/ES ’94), COE Board Member and the group president of Strategy and External Relations at Tennessee Valley Authority, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. She resides in Knoxville, Tenn.

Johnnie Moore (BS/CE ’83), assistant manager for science for the U.S. Department of Energy, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. He resides in Oak Ridge, Tenn.

The Office of Development
College of Engineering
120 Perkins Hall • Knoxville, Tennessee 37996
Phone: 865-974-2770 • email: cdevinfo@utk.edu
You may also use the envelope handily tucked in this newsletter!

The annual College of Engineering (COE) Alumni BBQ was held at 9 a.m. prior to kickoff of the UT v. Ole Miss football game on Nov. 13, 2010. There were 302 individuals in attendance, including alumni, faculty, retired faculty and students. Eleven student organizations, as well as the Engineering Professional Practice Office and the Jerry E. Stoneking Engage Program, showcased their projects and research for COE alumni.

“The annual Homecoming Engineering BBQ provides an atmosphere for our alumni and current and retired faculty members to reunite and ask questions about what the COE is doing today,” said Dr. Wayne Davis, COE dean. “I love being able to talk with our engineering alumni and their families and provide an opportunity for them to show their families where they went to school and give them a firsthand look into their college experience at the University of Tennessee, along with the many changes that are taking place. Hopefully, we will be able to provide tours of the new Min Kao Electrical Engineering and Computer Science Building next year, as it should be opened by Homecoming 2011.”

The event was catered by Dead End BBQ, which is co-owned by Robert Nutt, a COE alumnus. The new Electrical Engineering and Computer Science Building will be opened by Homecoming 2011. “The College of Engineering now has 2011-2012 year. He resides in Oak Ridge, Tenn.

Kevin Stockbury (BS/CE ’01) has been named the economic practices coordinator with ExxonMobil Qatar, Inc. He and his wife, Keri, have relocated to Doha, Qatar.

Kimberly S. Greene (BS/ES ’94), COE Board Member and the group president of Strategy and External Relations at Tennessee Valley Authority, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. She resides in Knoxville, Tenn.

Johnnie Moore (BS/CE ’83), assistant manager for science for the U.S. Department of Energy, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. He resides in Oak Ridge, Tenn.

The annual College of Engineering (COE) Alumni BBQ was held at 9 a.m. prior to kickoff of the UT v. Ole Miss football game on Nov. 13, 2010. There were 302 individuals in attendance, including alumni, faculty, retired faculty and students. Eleven student organizations, as well as the Engineering Professional Practice Office and the Jerry E. Stoneking Engage Program, showcased their projects and research for COE alumni.

“The annual Homecoming Engineering BBQ provides an atmosphere for our alumni and current and retired faculty members to reunite and ask questions about what the COE is doing today,” said Dr. Wayne Davis, COE dean. “I love being able to talk with our engineering alumni and their families and provide an opportunity for them to show their families where they went to school and give them a firsthand look into their college experience at the University of Tennessee, along with the many changes that are taking place. Hopefully, we will be able to provide tours of the new Min Kao Electrical Engineering and Computer Science Building next year, as it should be opened by Homecoming 2011.”

The event was catered by Dead End BBQ, which is co-owned by Robert Nutt, a COE alumnus. The new Electrical Engineering and Computer Science Building will be opened by Homecoming 2011. “The College of Engineering now has 2011-2012 year. He resides in Oak Ridge, Tenn.

Kevin Stockbury (BS/CE ’01) has been named the economic practices coordinator with ExxonMobil Qatar, Inc. He and his wife, Keri, have relocated to Doha, Qatar.

Kimberly S. Greene (BS/ES ’94), COE Board Member and the group president of Strategy and External Relations at Tennessee Valley Authority, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. She resides in Knoxville, Tenn.

Johnnie Moore (BS/CE ’83), assistant manager for science for the U.S. Department of Energy, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. He resides in Oak Ridge, Tenn.

The annual College of Engineering (COE) Alumni BBQ was held at 9 a.m. prior to kickoff of the UT v. Ole Miss football game on Nov. 13, 2010. There were 302 individuals in attendance, including alumni, faculty, retired faculty and students. Eleven student organizations, as well as the Engineering Professional Practice Office and the Jerry E. Stoneking Engage Program, showcased their projects and research for COE alumni.

“The annual Homecoming Engineering BBQ provides an atmosphere for our alumni and current and retired faculty members to reunite and ask questions about what the COE is doing today,” said Dr. Wayne Davis, COE dean. “I love being able to talk with our engineering alumni and their families and provide an opportunity for them to show their families where they went to school and give them a firsthand look into their college experience at the University of Tennessee, along with the many changes that are taking place. Hopefully, we will be able to provide tours of the new Min Kao Electrical Engineering and Computer Science Building next year, as it should be opened by Homecoming 2011.”

The event was catered by Dead End BBQ, which is co-owned by Robert Nutt, a COE alumnus. The new Electrical Engineering and Computer Science Building will be opened by Homecoming 2011. “The College of Engineering now has 2011-2012 year. He resides in Oak Ridge, Tenn.

Kevin Stockbury (BS/CE ’01) has been named the economic practices coordinator with ExxonMobil Qatar, Inc. He and his wife, Keri, have relocated to Doha, Qatar.

Kimberly S. Greene (BS/ES ’94), COE Board Member and the group president of Strategy and External Relations at Tennessee Valley Authority, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. She resides in Knoxville, Tenn.

Johnnie Moore (BS/CE ’83), assistant manager for science for the U.S. Department of Energy, has been welcomed into the Chancellor’s Associates, a group of business, professional and community leaders from the greater Knoxville area, for the 2010-2011 year. He resides in Oak Ridge, Tenn.

The annual College of Engineering (COE) Alumni BBQ was held at 9 a.m. prior to kickoff of the UT v. Ole Miss football game on Nov. 13, 2010. There were 302 individuals in attendance, including alumni, faculty, retired faculty and students. Eleven student organizations, as well as the Engineering Professional Practice Office and the Jerry E. Stoneking Engage Program, showcased their projects and research for COE alumni.

“The annual Homecoming Engineering BBQ provides an atmosphere for our alumni and current and retired faculty members to reunite and ask questions about what the COE is doing today,” said Dr. Wayne Davis, COE dean. “I love being able to talk with our engineering alumni and their families and provide an opportunity for them to show their families where they went to school and give them a firsthand look into their college experience at the University of Tennessee, along with the many changes that are taking place. Hopefully, we will be able to provide tours of the new Min Kao Electrical Engineering and Computer Science Building next year, as it should be opened by Homecoming 2011.”

The event was catered by Dead End BBQ, which is co-owned by Robert Nutt, a COE alumnus. The new Electrical Engineering and Computer Science Building will be opened by Homecoming 2011. “The College of Engineering now has 2011-2012 year. He resides in Oak Ridge, Tenn.

Kevin Stockbury (BS/CE ’01) has been named the economic practices coordinator with ExxonMobil Qatar, Inc. He and his wife, Keri, have relocated to Doha, Qatar.
**MEMORIALS**

**In Memoriam: Dr. James Hung**

Dr. James Hung, a retired professor from Engineering at UT (now the Department of Electrical and Computer Engineering), passed away in February 2011. He was a long-time faculty member at UT and made significant contributions to the field of electrical engineering.

In his remarks during the groundbreaking of the new computer engineering building, Kao eventually suggested donating money for a new electrical and computer engineering building. Kao eventually won a Tibbetts Award for its critical role in research and development for the government and its success in driving innovation and creating new jobs. Hashemian was presented with the award in Washington, D.C., in February.

Hashemian, President and CEO of AMS, has been a 14-time All-American and five-time national champion while on the Lady Vols Track Team and won nine Southeast conference championships.

She currently serves as the Chief of Sport Performance for USA Track & Field. For more information about the diversity event, visit http://www.utk.edu/tntoday/2011/01/25/rescheduled-50th-anniversary-kickoff/

**In Memoriam: Dr. Eugene Stansbury**

Dr. Eugene Stansbury, a retired University of Tennessee College of Engineering (COE) professor, passed away on Feb. 19, 2011, in Alexandria, Va. Stansbury was a professor of Metallurgical Engineering at UT from 1947 until 1985.

Stansbury was instrumental in beginning the COE’s metallurgy program, which is now part of the Department of Materials Science and Engineering. He established graduate programs in metallurgy at both UT and Oak Ridge National Laboratory (ORNL).

Stansbury placed high importance on technology in the field and developed several interdisciplinary courses that covered his areas. He was also a coordinator of 35 articles and a book on corrosion and was the recipient of many professional and academic awards.

Dr. Stansbury received his bachelor’s degree in chemical engineering in 1940 from North Carolina State University. He received his master’s and Ph.D. degrees in metallurgical engineering in 1942 and 1946, respectively, from the University of Cincinnati.

Upon his retirement, an endowment fund for scholarships and equipment was established. Donations can be made to the E. Eugene Stansbury Endowment fund at UT or the Office of Engineering Development, (865) 974-2779.

**Events & Awards**

**Leadership Awards Bestowed on Engineering Diversity Program Students**

The two students were recognized for outstanding academic achievement and leadership. They were the majoring in chemical engineering, and Glover is also a senior majoring in industrial engineering.

**Nuclear Engineering Graduate Students Win Contest**

A team comprised of Department of Nuclear Engineering (NE) graduate students won first place in the 2010 Student Design Contest, which is sponsored annually by the American Nuclear Society (ANS). Matthew Cook, Oscar Latreya and Susan Hogle won for their project “Conceptual Design of a Neutron Absorber System for Spent Fuel Ponds.”

**Coe Alumna and Olympic Gold Medalist is Keynote Speaker at Diversity Event**

Brent Mosley received his BS/EE ‘54 returning to Knoxville on Tuesday, February 1 as the featured speaker for the kickoff celebration for the 50th anniversary of undergraduate admission by African-Americans at the University of Tennessee. Mosley became the first African-African woman to win an Olympic gold medal in the 100-meter hurdles in the 1984 Los Angeles Olympics. She was a Heinei All-American and first-time national champion while on the Lady Vols Track Team and won nine Southeast conference championships.

The two candidates were recognized for outstanding academic achievement and leadership. They were the majoring in chemical engineering, and Glover is also a senior majoring in industrial engineering.

**UT ALUMNUS WINS 2011 TIBBETTS AWARD**

**UT engineering student awarded medal for 1st place in Tibbetts Award competition.**

**UTSI Doctoral Candidate Receives AIAA Special Award**

Brian Maicke, a doctoral candidate at the UT Space Institute, received the prestigious AIAA Special Award on November 17, 2010 at the American Institute of Aeronautics and Astronautics (AIAA) luncheon at UT. The recognition highlights outstanding achievements among AIAA members and salutes spirit, teamwork, outstanding research, mentorship and support in the fields of high-priority aerospace and the theoretical modeling of aerospace engineering problems. Maicke has also recently been the head of his research published in both the Journal of Fluid Mechanics and the Proceedings of the Royal Society A. Maicke also received the Outstanding Graduate Student Award at UT and received a special commendation from the Tennessee Senator for his research and publication efforts.**
The University of Tennessee
College of Engineering
207 Perkins Hall
Knoxville, TN 37996-2012

Senior Administration
Dr. Wayne Davis,
Dean of Engineering
Dr. Bill Dunne,
Associate Dean for Research & Technology
Dr. Masood Parang,
Associate Dean for Academic & Student Affairs

Departments
Biosystems .......................... 974-7266
Chemical & Biomolecular .......... 974-2421
Civil & Environmental .......... 974-2503
Electrical & Computer Science .. 974-3461
Industrial & Information ......... 974-3333
Materials Science ................. 974-5336
Mechanical, Aerospace & Biomedical .................. 974-5115
Nuclear .................................. 974-2525

Calendar

**Fall 2011**
- Classes Begin .................. Aug 17
- Labor Day .................. Sept 5
- Fall Break ...... Sept 29-30
- Thanksgiving .......... Nov 25-26
- Classes End .................. Nov 29
- Exams .................. Dec 1-2, 5-8
- Graduate Hooding .......... Dec 8
- UT Commencement .......... Dec 9

**Spring 2012**
- Classes Begin .................. Jan 11
- MLK Holiday .................. Jan 16
- 1st Session Ends ............ Feb 29
- 2nd Session Begins .......... Mar 1
- Spring Break ............ Mar 19-23
- Spring Recess ............ April 6
- Classes End .................. April 27
- Exams .................. May 1-4, 7-8
- Commencement ............ May 9-11

**Contact Information**

**Administration & Programs**

- Communications .................. 974-0533
- Dean’s Office .................. 974-5321
- Development .................. 974-2779
- Engineering Advising Services .... 974-4008
- Engineering Diversity Programs .... 974-1931
- Engineering Fundamentals .... 974-9810
- Engineering Professional Practice .. 974-5323
- Engineering Research ....... 974-8360
- Engineering Student Affairs .... 974-2454
- Finance & Admin. Affairs .... 974-5279

**Research Centers**

- Intelligent Systems and Machine Learning ........... 974-4394
- Materials Processing ........ 974-0816
- Reliability & Maintainability Center .... 974-9625
- Scintillation Materials .......... 974-0254
- Transportation Research .... 974-5255

**Save the Date!**

Please mark your calendars now for Homecoming 2011! Saturday, November 5th

The University of Tennessee Volunteers vs. Middle Tennessee State University.

Cheer on the Vols as they take on the Blue Raiders!

The College of Engineering will be hosting the Annual Alumni Homecoming Barbeque on The Hill three hours prior to kickoff. Join us for a delicious barbeque lunch; exhibits and demonstrations; and reunions with former classmates and faculty. Details will be available in the upcoming issue of The Torchbearer.

For more information, contact the Engineering Development Office at (865) 974-2779 or e-mail Christina Parsons at cparson4@utk.edu.