New COE Facilities Will Allow State-of-the-Art Training for Future Engineers

The College of Engineering is currently in the process of designing and constructing three new buildings. This unprecedented opportunity will allow the COE to expand research and classroom space and offer state-of-the-art training for future engineers.

Construction has already begun on the 150,000 square foot Min H. Kao Electrical Engineering and Computer Science Building. Groundbreaking for the facility took place on May 16, 2007. The building is being constructed at a total cost of $37.5 million, $12.5 of which was initially provided by Dr. Min H. Kao, CEO of Garmin and a University of Tennessee alumnus. Kao's total gift of $17.5 million, the largest single gift toward one building in the university's history, served as the cornerstone of a public-private partnership with the State of Tennessee, which provided the additional $25 million for the facility. The remaining $5 million of Kao's donation was used in a dollar-for-dollar match with other private gifts to create a $10 million endowment for the Min H. Kao Department of Electrical Engineering and Computer Science (EECS). The department was created through a merger between the Department of Electrical and Computer Engineering in the COE and the Department of Computer Science in the College of Arts and Sciences in July of 2007.

The department will be housed in the new building, which will feature classrooms, laboratories, a clean room and a 2,500 square foot auditorium. The facility will be the first on the UT-Knoxville campus to be built for Leadership in Energy and Environmental Design (LEED) certification, which requires using environmentally sound materials, positioning the building to make the best use of natural lighting and using indoor lighting that is both cost-and-energy-efficient. Bullock, Smith and Partners and Lindsay and Maples Architects are the primary architects. Other participating companies include Ross Bryan Associates, Inc. (Nashville), IC Thomasson (Knoxville/Nashville) and Vreeland Engineers, Inc. (Knoxville), who are responsible for the structural engineering design and electrical engineering design, respectively. The building is scheduled for completion in August, 2010.

The college has also updated plans for the new Civil and Environmental Engineering Building. After the state provided $16.5 million in funding for Estabrook Hall, the second-oldest building on campus, an architectural review showed that the facility had serious structural issues that would hamper reconstruction efforts. A new site has been selected behind Pasqua Hall on the current
COE Facilities Update continued from page 1

Dean's Desk continued from page 1

SAFElight Update

![SAFElight Update](image-url)

Chad Holiday, Volunteer of the Year

DuPont CEO and COE alumnus Chad Holiday Jr. (Holliday) was honored last week with one of the university’s most significant recognitions during the weekend of September 19-20, 2008. Holliday was named to the Volunteer of the Year – Distinguished Alumnus at that Friday night’s Athletic Council Dinner and also was recognized at Saturday’s UT-Florida game during halftime.

The Volunteer of the Year – Distinguished Alumnus award is conferred to the spirit of the volunteer and his or her contributions to the university.

Chad Holliday is the university’s top alumni award. Holliday was the first recipient of the recognition. The distinction is reserved for alumni who have excelled at the national or international level in their profession, whose achievements have benefited their fellow citizens and have brought great credit to the University of Tennessee.

After graduating from UT, Holliday began working for DuPont in his hometown of Nashville. He advanced quickly through various manufacturing and supervisory assignments, which included product planning and marketing, and eventually executive assignments, including president and chairman of DuPont Asia Pacific.

In 1996, he was appointed DuPont’s Chief Executive Officer. He became Chairman of the Board of Directors in 1999 and in the 18th century to lead the company in the 21-st century. Holliday’s leadership, DuPont established a mission to achieve sustainable growth – increasing shareholder and societal value while decreasing the company’s environmental footprint.

As a result, DuPont has moved from being a chemical company to a science-based products and services company. In 2007, DuPont reported revenues of $29.3 billion and employed more than 60,000 people around the world.

Last year, Holliday visited nearby Loudon, Tenn. in June for the official opening of the DuPont Tate and Lyle Bio Products LLC facility, one of the largest biomass processing facilities in the world and the only one of its kind.

Holliday was elected in 2004 as a member of the National Academy of Engineering and became chairman of the Board of Directors of the American Society of Chemical Engineering – American Section. While chairman of the WBCSD, he co-authored a book “Walking the Talk” which detailed the progress of the Business and Society of WBCSD, The Business Council and the Society of Chemical Industry – American Section.

In 2006, Holliday served as the President of the World Business Council for Sustainable Development (WBCSD), The Business Council and the Society of Chemical Industry – American Section.

Holliday is also currently serving as co-chair of the Campaign Leadership Committee for UT’s College of Engineering.

In remarks at the Development Council dinner, Intern Chancellor Van Simeck said, “We credit Chad for helping to create a strong bond between DuPont and UT. The company has contributed almost $4 million to UT over the years in support of programs in the College of Engineering and Institute of Agriculture.”

—in memory of Kim Current
Dr. Wesley Hines, professor in the Department of Nuclear Engineering, has been named Interim Associate Dean for Research and Technology for the University of Tennessee College of Engineering. He will be replacing Dr. Wayne Davis, who previously held the position and who was designated to be the COE’s interim dean in May. Hines received his B.S. in electrical engineering from The Ohio University, Athens, in 1983; his M.S. degree in nuclear engineering and an M.A. degree from The Ohio State University in 1991; and his Ph.D. in nuclear engineering from The Ohio State University in 1994. Hines also attended the Naval Nuclear Power School in 1986 and served as a U.S. Naval Officer on Naval nuclear submarines from 1985-1990. Hines started his career at UT in the nuclear engineering department in 1995 as a research assistant professor. In 2005, Hines was promoted to professor in the nuclear engineering department. Hines has received numerous recognitions from the COE, including the 2006 College of Engineering Research Fellow Award, the 2005 Brooks Distinguished Professor Award; the 2004 COE Teaching Fellow Award; the 2004 Lives and Nancy Cole Superior Teaching Award; and the 2003-2002 Allen and Hoshall Engineering Faculty Award. The implementation of Hines’s three-pronged approach also helps students to become more hands-on and involved in the IIE program and with companies such as the Oak Ridge National Laboratory (ORNL), Hillburrton and Eastman. "We provide the students with projects based on real research, response to research and opportunities to implement their ideas," Hines said. Hines has also encouraged diversification in the graduate program. Ten of the 15 graduate students in IIE are international students from 11 countries all around the world. "We are all a team here with a lot of diversity," Sawhney said. "We have U.S., Chinese, Thai, German, Yemen and Indian citizens in the program and we all support work, with each and like other." To Sawhney the development of the IIE program is more important than individual accolades. "It does well but our department does not do well that much,” Sawhney said. “However, if we all work together we can make this department excel, and we are doing that now.” He was awarded the Alpha Phi Mu Teacher of the Year Award in 2009 and has also received other recognitions, including the Alocis Faculty Development Award. When he is not working with aspiring engineers, he likes to spend time with his wife Ninja and their two sons Carmen, 19, and Simm, 12, in their vacation cottage in Sevierville. "Work is hard, but I enjoy it and it is fun," Sawhney said. "I don’t play golf or ski or anything. I just enjoy spending time with my family in my off hours.” —Story by Eddie Jenkins

New Faculty Join the UT College of Engineering

Dr. Ramki Kalyanaraman is a new joint appointee professor in the Department of Chemical and Biomolecular Engineering and the Department of Materials Science and Engineering. Kalyanaraman was awarded a Ph.D. in materials science and engineering in 1998 from North Carolina State University, Raleigh, and received his M.Tech. and M.Sc. from the Indian Institute of Technology, Kanpur. Kalyanaraman’s current research interests include self-organization and pattern formation, non-equilibrium processing under fast-laser phase, nanomaterials for plasmonics and nanophotonic and nanocomposites for ultralight and ultrahigh density optical information processing. Kalyanaraman was recently appointed as professor at Washington University in St. Louis State University.

Dr. Haisit Liao is a new professor in the Department of Industrial and Information Engineering. Liao received his B.S. in industrial systems engineering in 2004 and his M.S. degrees in industrial systems engineering and mathematical statistics from Rutgers University. He received his B.S. in electrical engineering from the Beijing Institute of Technology. Liao’s current research involves reliability engineering, applied probability and statistics, risk analysis, applied operations research, and instrumentation and signal processing. Liao was previously an assistant professor in the industrial and manufacturing engineering department at Virginia Commonwealth University.

Dr. Gerd Duscher is a new professor in the Department of Materials Science and Engineering. Duscher received his Ph.D. in electronic and environmental engineering from the University of Florida in 1985 and 1987. His research involves long-term forecasting of U.S. steamflow using partial least squares regression, relationships between Pacific and Indian Ocean sea surface temperature, climate variability and water supply and drought in the upper Colorado River Basin. Duscher received the Mortar Board Top Professor Award in 2006 while working as an assistant professor at the University of Wyoming. Duscher will join the mechanical aerospace and biomedical engineering department as an assistant professor. He received his M.A. and Ph.D. in engineering from Princeton University in 2006 and 2009. He joined the R.E. in mechanical engineering at Tsinghua University in Beijing, China. Zhang’s research interests include experimental mechanics, experimental stress analysis, data processing and uncertainty analysis. He received the Liuge Crisis Award for Excellence in 2010 while at Princeton University.

Dr. Joseph H. Wilck IV, Engineering welcomes Kalyanaraman.

Dr. Joseph H. Wilck IV, Engineering welcomes Duscher.

Dr. Zhili Zhang, Engineering welcomes Liao.

Dr. Zhili Zhang is an assistant professor in the Department of Mechanical, Aerospace and Biomedical Engineering and Nuclear Engineering. Zhang received his Ph.D. in astrophysics from Middle East Technical University in Ankara, Turkey. Erci’s current research interests are fluid dynamics, aerodynamics, ultrafast aerodynamics, micro and fluid flow, microfluidics, fluid structure interactions, gas turbine propulsion, clean and renewable energy, micro-nanoturbomachinery and parallel and high performance computation. Zhang was previously a research associate at Duke University in the Department of Mechanical Engineering and Materials Science, where he developed fast and accurate numerical tools to investigate complex fluid phenomena in aerospace engineering.

Dr. Jason P. Hayward has joined the Department of Nuclear Engineering as an assistant professor. Hayward graduated with a Ph.D. in applied physics and engineering and electrical science from the University of Michigan. He also received a B.S. in physics and mathematics from Valparaiso University in Indiana. Hayward specializes in materials science and research interests involves high-purity germanium double-sided strip detectors. He was a NASA Graduate Student Research Program fellow from 2005 to 2007.

Dr. Lawrence E. Robinson has joined the Department of Nuclear Engineering as an assistant professor. He received his Ph.D. in nuclear physics from Michigan State University. M.S. in physics from the University of Illinois, Urbana, and a B.S. in physics from the University of Montana, Missoula. Heilbronn’s research interests include experimental high-energy physics based on an emphasis on applied field detector development, space instrumentation. Heilbronn received his Second Outstanding Performance Award from Lawrence Berkeley National Laboratory in 2002.

Dr. Warren M. Liao and Dr. Joseph H. Wilck IV.
Two professors in the COE Department of Nuclear Engineering (NE) are leading research projects with a total funding of over $1 million from the U.S. Nuclear Regulatory Commission (NRC). Dr. Ivan Maldonado, an associate professor in the NE department, and Dr. Jason Hayward, an assistant professor, are involved in four projects. The projects are to be conducted with other units of the university and community to build programs that enhance leadership and interdisciplinary and entrepreneurial opportunities to meet the needs of nuclear engineers and students, as well as promote the college’s visibility to the next generation of engineering students. Initial outreach projects include enhancing study abroad options for engineering students and partnering with the Baker Center and the College of Education in a service learning initiative with Knox County Schools. Parsons is also continuing to teach in the honors first year program.

"It is a thrill to be entering this profession at a time when the demand for nuclear engineers is tremendous," Hayward added. "Additionally, we are encouraged to have the NRC recognize that this is an area of critical need and support for nuclear engineering.

The scholarships will be awarded to students who are consistently outstanding performers on a semester-by-semester basis. The graduate program will provide up to 13 one-year graduate fellowships over the next four academic years. The fellowships will also be awarded to students with outstanding academic records and awards and will be periodically reviewed for continued satisfactory performance.

"The U.S. NRC scholarships and fellowships are already having a direct impact upon our department’s ability to attract, recruit, and retain the most talented undergraduate and graduate students," Dr. Maldonado said.

The faculty development grant will support two junior faculty members in the NE department. The budget, which is designated for a three-year period, includes support for development, development proposals for research, equipment stipends, participation in professional society meetings, preparation of conference papers, and other startup costs. The goal of this program is to attract highly qualified faculty members, develop these individuals’ skills in research, and teaching and retain them to enhance the department’s capabilities.

"Dr. Maldonado and Dr. Hayward obviously wrote excellent proposals for these awards, and they are to be commended for their efforts," Dr. Lee Dodds, NE department head, said. "The UT nuclear engineering program is one of only four nuclear programs in the U.S. that were funded by all NRC solicitations to nuclear engineering programs during the past year, which clearly confirms the outstanding quality of proposals written by our faculty."

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Dr. Maldonado and Dr. Hayward to Lead Million Dollar Research Projects Funded by the U.S. Nuclear Regulatory Commission

RESEARCH information

College of Engineering Transitions

Several transitions have recently occurred in the College of Engineering’s academic support programs.

Dr. Roger Parsons, former director of the College of Engineering’s U.S. NRC Undergraduate Program, was named dean of the newly created COE Outreach Office. In this position, Parsons will be working with other units of the university and community to build programs that enhance leadership and interdisciplinary and entrepreneurial opportunities to meet the needs of nuclear engineers and students, as well as promote the college’s visibility to the next generation of engineering students. Initial outreach projects include enhancing study abroad options for engineering students and partnering with the Baker Center and the College of Education in a service learning initiative with Knox County Schools. Parsons is also continuing to teach in the honors first year program.

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Dr. Maldonado and Dr. Hayward to Lead Million Dollar Research Projects Funded by the U.S. Nuclear Regulatory Commission

Dr. Roger Parsons

A call to all engineering alumni to give

Fall 2008 launches a new way to support the College of Engineering at the University of Tennessee through the College Fund for Engineering. While we continue to encourage donors to designate gifts to their areas of interest — departments, programs, scholarships or other specific funds — we also need unrestricted funding. Today, almost all of the philanthropic resources given to UT are precisely earmarked. These gifts for specifically defined uses cannot be applied to initiatives other than those designated by the contributor. The College Fund for Engineering will allow the dean and college leadership to move with agility, pivot with industry demands and respond to priorities in a strategic way.

This fall, we will be reaching out to every graduate of the College of Engineering to ask you to consider a gift to the College Fund in addition to other support you may be giving to a department or fund. We also request that you consider supporting the College Fund for Engineering at a leadership level (society levels are noted below). However you may choose to give, know that in doing so, you are not only making a positive impact on our college, you are setting a wonderful example for many friends and alumni of the university.

Leadership Annual Giving Society

Bronze: $1,000 - $2,499
Silver: $2,500 - $4,999
Gold: $5,000 - $9,999
Platinum: $10,000 and above

We are grateful to each and every donor who provides support to the College of Engineering. Your philanthropy is a testament to the spirit and pride we share for this wonderful institution. Please contact the Engineering Development Office for more information at (865) 974-0686 or engdev@utk.edu.

Dorethy Beyson
Associate Vice Chancellor for Development/Interim Senior Engineering Development Director
ALUMNI PROFILE

Entrepreneurs and Company Owners turn to James Clardy for Advice

Fledging entrepreneurs who are looking for an ego-stroking mentor had better steer clear of James H. Clardy. The frank and outspoken UT College of Engineering graduate has become somewhat of a legend in the technology haven of Austin, Texas, known for his keen knowledge and no-nonsense business style.

Clardy grew up on a dairy farm in Clarksville, Tenn., but summer job during his teenage years working with electricians influenced him toward an interest in electrical engineering. After high school, he enrolled in Austin Peay University, which was located in his hometown. The small institution had a two-year pre-engineering course at the time, so Clardy decided to transfer to the University of Tennessee-Knoxville after his sophomore year.

"I am very happy with the choice that I made at that time," Clardy said. "I secured a job in the Department of Electrical Engineering working on government contracts, primarily doing research on antennas. Engineers today would not believe one of the tasks, which was to calculate antenna patterns using a mechanical calculator. Several of us were called 'student calculators,' and we had large notebooks to record the results. It was a big job for students because we could work any time that we wanted—all you had to do was just get a notebook and start calculating wherever the last person finished. Obviously, we did not have computers in those days. Later, I worked as a technician on a test range that was located on an island in the river, working with Dr. T. Vaughn Blalock," Clardy enjoyed his years at UT, and spent most of his time studying. However, he had three friends, also from Clarkville, who were, in Clardy's words, "untrained and naive."

"The big event each week was to have one beer and a pepper boiled egg at a bar," Clardy recalled. "I always like to think about those years at UT and how we enjoyed that Saturday night ritual." Clardy also appreciated his classes under former COE Dean Charles Weaver, who he remembers as an outstanding and innovative teacher who loved his work.

After graduating from UT in 1957, Clardy began working at Arnold Engineering Development Center, Tennessee, designing instrumentation systems for jet and rocket engine testing. After two years, he was hired at Texas Instruments Inc., where he was initially assigned work as a design engineer.

"When I moved to Texas Instruments, the job was detail circuit designs, but because of my years at AEDC, I wanted to know the entire system and thus spent extra time learning everything my job. In the end, I always knew more about the system than most of the other engineers. As a result, naturally evolved into managing the projects and the job was cast for me to go into management instead of a design role," Clardy said.

Clardy spent 21 years at Texas Instruments, rising through the ranks until he was finally tapped to head the company's Latin American division.

After leaving Texas Instruments, Clardy became a major player in Austin's burgeoning technology scene where he co-founded Crystal Systems in 1984 to bring in superstar engineers from other companies to create exciting new advances. Crystal became one of the world's leading suppliers of high-performance mixed signal integrated circuits with annual sales of $250 million. Clardy left Crystal in 1997, and shortly afterward was asked to become a partner with Austin Ventures. He is currently on the board of five Austin technology startups and has also served as treasurer for Nanoco, Inc., Nucantec, Inc., D2Audio, Inc. and Cold Watt, Inc.

"The availability of capital for entrepreneurs to start high tech companies in Austin comes from having a premier venture capital firm such as Austin Ventures in our city," Clardy said. "It is the largest venture partnership in the state of Texas."

Entrepreneurs and company owners who turn to Clardy for advice had better be prepared for complete honesty and frank assessments of their situations.

"I believe that a straightforward style gets things done. It is the essence of any success that I have enjoyed," Clardy added. "The quicker people get focused on the issue to be resolved, the better all around. There is no gain to game playing or soft-peddling things."

Clardy believes that his education at UT was the starting point for his years of success.

"To my knowledge, I was the first person in my Clardy lineage to obtain a college education. It gave me the technical skills to compete in the high tech world and the opportunity to afford a quality education," Clardy said. Although Clardy's knowledge and guidance is greatly in demand in high-tech circles, he also finds time for his large family, including his wife, Joanne; children Dean Clardy, Melanie Hendry, Mary Bebesio, wyja Hellman and Terri Potts; and his 11 grandchildren.

"It is hard work, dedication and unbounded belief in yourself combined with great ideas that make start-ups and people succeed," Clardy said.

From Iraq, Jeremiah Manning "Represents the Spirit of our Department"

Lt. Jeremiah Manning endures a grueling work schedule in 115-degree heat while serving as the U.S. military as a construction engineer in Baghdad. After his workday has ended and his fellow soldiers take time to unwind during his workday has ended and his leisure time, Manning continues his leisure time, Manning continues his studies.

"I feel good to know that I will have been able to do this one thing for myself this year here in Iraq," Manning says. Dr. Dayanar Penaduma, professor and interim department head of UT's Civil and Environmental Engineering, says Jeremiah "represents the spirit of our department." "Distance education is one of the tools that allowed my remote interaction with professors in the classroom and provides our faculty with a unique opportunity to bring someone from many parts of the world to our campus." Manning says. It means that despite the distance, he will still be able to have a close relationship with his instructors.

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Memorials

Robert L. Schroeder (BS/ME ’52) died May 11, 2008. He lived in Boulder, Colo.

P.W. Hembre, Jr. (BSME ’47) died June 2, 2008. He lived in Fountain City, Tenn.

Ravinder K. Sood (BSME ’58 MS ME ’65) died May 16, 2008. He lived in Lexington, Ky.

James E. Willard, Jr. (BSME ’53) died April 21, 2008. He lived in Knoxville, Tenn.

Audrey L. By (BS/IE) died February 23, 2008. She lived in Nashville, Tenn.

Martrace Yvette George (BSCE ’93) died April 21, 2008. She lived in Huntsville, Ala.

Nealie Thomas (Andy) Anderson (BSCE ’55 MSCE ’68) died May 12, 2008. He lived in Franklin Glade, Tenn.

James Franklin Lipska (BSME ’51) died May 7, 2008. He lived in Oak Ridge, Tenn.

Bill Ira Leinart (BSCE ’86) died June 16, 2008. He lived in Clinton, Tenn.

Karl P. Barrick (BSCE ’87) died June 3, 2008. She lived in Charlotte, N.C.

Robert “Bob” C. Kelly (BSME ’50) died June 7, 2008. He lived in Knoxville, Tenn.

Joseph Clyde Wilson (BSCE ’40) died June 6, 2008. He lived in Dickson, Tenn.

Wesley Emmitt Cotton Jr. (BSCE ’33) died June 19, 2008. He lived in Florence, Tenn.

Clarence C. Walker Jr. (BSCE ’51) died June 19, 2008. He lived in Franklin City, Tenn.

Ronnie Spencer Roberts, PhD (BSCE ’72 PHDCE ’76) died November 21, 2008. He lived in Pasagoula, Miss.


William James McClain (BS/PHDSE ’69) died July 5, 2008. He lived in Asheville, N.C.

Ronald J. “Hank” Thompson (BS/EE ’62) died July 6, 2008. He lived in Henndersonville, Tenn.


Bennett A. Burr (BSCE ’92) died July 1, 2008. He lived in Knoxville, Tenn.

Dennis Arthur Reed (BASCS ’79, BSCMATH ’80 BS/EE ’81 and MScEE ’82) died July 11, 2008. He lived in Oak Ridge, Tenn.

Stephen Meador (BSME ’92) died July 14, 2008. He lived in Farragut, Tenn.

Roger Joseph “Bobby Joe” Bowman (BS/CE ’61) died July 27, 2008. He lived in Knoxville, Tenn.

Charles C. Padgett (BSME ’72) died July 26, 2008. He lived in Huntsville, Ala.

William A. (Bill) Fortune (BSCE ’49) died August 7, 2008. He lived in Knoxville, Tenn.


Norman C. Strader (BSCE ’56) died August 31, 2008. He lived in Forth Worth, Texas.

Thomas C. Dempster, Jr. (BSME ’67) died August 11, 2008. He lived in Knoxville, Tenn.

Herbert M. “Bo” Scull, Jr. (BSME ’62) died August 20, 2008. He lived in Oak Ridge, Tenn.

G.C. Davis (BSCE ’47) died August 10, 2008. He lived in Honolulu, H.

George Barnes Jr. (BS/IE ’50) died September 13, 2008. He lived in Knoxville, Tenn.

Ralph Martin Pieros (BSCE ’52) died September 15, 2008. He lived in Athens, Tenn.

Joe Douglas “J.D.” Wilkinson (BSCE ’59) died October 4, 2008. He lived in Asheville, N.C.

John MacDougal Holmes (BS/CE ’70) died October 4, 2008. He lived in Huntsville, Ala.

William Ernest Mannsdue III (BS/CE ’72) died October 10, 2008. He lived in Knoxville, Tenn.

Reverend John Leon Oglesby, Jr. (BSCE ’42) died October 23, 2008. He lived in Knoxville, Tenn.

Diversity Office Hosts Awards Luncheon for TSLAMP Fellows

The COE Engineering Diversity Programs Office (EDP) hosted an awards luncheon for its National Science Foundation-fund

Dr. Mark Burnett, Vice President for Student Affairs at Tennessee Technological University, was a keynote speaker at the luncheon.

New Engineering Freshmen Enjoy Open House

Incoming freshmen engineering students were welcomed during an Open House at the College of Engineering on September 18, 2008, at the Science and Engineering Research Facility. Over 180 students attended to enjoy information exhibits, conversation with department heads and faculty, and opportunities for prizes. The event was part of the university’s “Passport to Success,” which seeks to encourage student retention by acclimating freshmen to the UT–Knoxville campus prior to the beginning of the fall semester.

MSE Department Head is Named Chancellor’s Professor

Dr. George Pharr, professor and head, Department of Materials Science and Engineering, was recently named to the inaugural class of the University of Tennessee’s Chancellor’s Professors. This recognition is the highest honor that can be accorded a member of the faculty at the University of Tennessee–Knoxville, and recognizes extraordinary, nationally or internationally recognized scholarship attained in an individual discipline or field as well as a record of excellence in teaching and service to the campus.

Pharr received his award at a ceremony that took place at the University Center on October 21, 2008.

COE Alumnum Receives Distinguished Award from NASA

Boxing engineer and COE alumnus Robert D. Adams (BS/Av ’80) has received the NASA Spaceflight Awareness Honoree for his research work, which led to the discovery of metal debris in moving parts on the International Space Station (ISS). The award is one of the highest recognitions presented to NASA and industry employees. Adams has been employed by Boeing since 1990 and played a lead role in investigations of technical difficulties on a space mission in 2007. Adams received the award on May 31, 2008, at an evening reception after the launch of the Space Shuttle “Discovery” at Kennedy Space Center in Florida.

CEC Professor Receives Power Award

CEC Intern Dean Wayne Davis (left) presents the Ralph E. Power Junior Faculty Enhancement Award to Dr. Qiuhong Zhao, an assistant professor in the Department of Civil and Environmental Engineering. The recognition provides seed money for research by junior faculty at UT–Knoxville Associated Universities member institutions.

The awards are intended to enrich the research and professional growth of young faculty and result in new funding opportunities. In 2008, ORAU received 107 applications and awarded 30 grants.

OPP Hosts Annual Welcome Back Cookout

The Office of Professional Practice welcomed over 300 College of Engineering students, faculty and staff to their annual cookout on Friday, September 12, 2008. The event, sponsored by Alcoa, Lexmark, Show Industries and TVA, featured a delicious barbeque luncheon, displays and opportunities to network with representatives from the sponsoring organizations.

MABE Student Competes in Olympic Trials

Michael Wolfe, a senior majoring in mechanical engineering, competed in July at the U.S. Olympic Swim Team Trials in Omaha, Neb. Wolfe competed in the men’s 100-meter breaststroke event and just missed out on making the finals, finishing 12th in the semi. He also competed in three other events, which included a 28th place finish out of over 70 swimmers in the 100 meter backstroke heats. Wolfe is due to graduate in December, 2008.

1970s

Hugh K. Wolfe (MSEE ’73) has woven his DNA into the fabric of the Committee on Space Research and his DNA, by force launched upon the American psychic Edgar Cayce’s belief that modern science helps to explain the origin of life. He lives in Huntsville, Ala.

1980s

Anita M. Kati (PhD/IE ’90) is working on a $62,000 grant from the Japanese technology-based company, Daisa Fine Chemicals, to advance technology that contributes to improved pharmaceutical products at Purdue University Calumet. She lives in Munster, Ind.

Raymond L. Wall (BS/EE ’90) joined Borg-Warner Sunner & Cameron Inc., as chief information officer. Wall earned a master’s of business administration 2007 from the College of Business Administration. He lives in Louisville, Tenn.

Stefan M. Duma (BSME ’95) was appointed a John R. Jones Faculty Fellow in mechanical engineering at Virginia Tech. He lives in Blacksburg, Va.
600 Students Enjoy Engineers Day 2008

Over 600 high school students from 30 schools across the region came to the UT-Knoxville campus on Thursday, October 16, 2008 for Engineers Day. The event is a College of Engineering tradition that has been observed since 1912. Visiting participants enjoy discussions, project demonstrations, exhibits and a great deal of fun with COE students and faculty. **Dr. Bert Ackermann**, a nuclear engineering graduate and a member of the college’s Board of Advisors, was the keynote speaker at the opening ceremony. The event also included the Quiz Bowl, where teams of four compete in a written examination. Quiz Bowl competition winners for 1st and 2nd place for this year were two teams from Farragut High School and the third place winners were a team from Lenoir City High School. Class 1 winners in the exhibit competition included the American Society of Agricultural and Biological Engineers, the Materials Advantage Society, and the American Society of Civil Engineers student chapter.