The mission of the College of Engineering is:

• To provide high quality education in the major engineering disciplines from the undergraduate through doctoral levels through a creative balance of academic, professional and extracurricular programs;

• To foster and maintain mutually beneficial partnerships with our alumni, friends, industry, and local, state and federal governments through public services assistance and collaborative research; and

• To be a major contributor to our nation’s technology base through scholarship and research.
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I am pleased to present to you the University of Tennessee College of Engineering’s 2004-2005 Annual Report.

During this past year, the college has made notable progress toward our strategic goal of becoming one of the top engineering education programs in the nation. Our achievements include:

**Facilities**—Our dream of a new Department of Electrical and Computer Engineering (ECE) building was made possible this year through the wonderful generosity of Dr. Min Kao, the CEO of Garmin Ltd. and a graduate of the COE’s electrical engineering program. Dr. Kao committed in June 2005 to a transformational gift of $17.5 million to the college, the largest private donation in UT-Knoxville history. The Tennessee State Legislature’s approval of Governor Phil Bredesen’s proposed $25 million in state funding enhanced the building initiative to a total of $37.5 million for the 150,000 square foot facility.

Governor Bredesen and the legislature also provided $16.6 million for the reconstruction of Estabrook Hall, the second-oldest building on the UT campus, a facility that has long been on the university’s list of renovation projects. The revitalized Estabrook will house the Department of Civil and Environmental Engineering.

In July of 2005, $20 million in federal funding was secured through the efforts of Senators Bill Frist and Lamar Alexander for the Joint Institute for Advanced Materials (JIAM), a UT-ORNL collaborative institute for advanced multidisciplinary materials research. Governor Bredesen has also proposed additional funding from the state for the building construction and equipment. The COE’s national leadership in the field of materials research will be greatly enhanced by this facility.

**Students**—The positive effects of the State of Tennessee HOPE Scholarship continue, with larger enrollments and marked increases in the number of high-achieving students choosing to attend UT and major in engineering. Many freshmen students also had impressive high school GPAs, with a considerable number showing averages of 4.0.

Our efforts to increase the diversity of our students, both graduate and undergraduate, were greatly enhanced this year through the establishment of the Pipeline Engineering Diversity Program. Funded through a Department of Energy grant, the Pipeline offers a comprehensive approach to engineering education, identifying potential students, providing facilitation for high school seniors to transition into university engineering studies, and granting paid research assistantships during graduate school.

**Research**—Our research expenditures (gifts, grants and contracts) increased from $26.1 million in FY 2004 to $27.9 million in FY 2005, an increase of 7.2%, and a $5.7 million increase since 2003. Several of our outstanding researchers and their accomplishments during this year are featured in this issue.

**Faculty and Administration**—The COE continues to exert strong efforts to attract highly qualified faculty members. In this issue, we are featuring two outstanding COE professors: Hairong Qi, an associate professor in the Department of Electrical and Computer Engineering, and Dayakar Penumadu, a professor in the Department of Civil and Environmental Engineering.

Efforts to streamline the college’s administration were finalized through the establishment of associate dean positions to provide leadership in three major areas of responsibility. This new organization in the college has allowed us to ex-
pand our strategic planning and benchmarking activities and upgrade promotion and tenure policies; increase efficiency in providing services to both graduate and undergraduate students and significantly improve our curriculum; expand our research programs and outreach; and considerably expedite progress in space planning, facility remodeling and construction.

Although we are grateful for the many opportunities and achievements of the past year, we do not plan to “rest on our laurels.” It is imperative that we devote our efforts to continually improving our national rankings, our services to students and constituents and our value as an economic partner to the state and the region.

We appreciate your interest in the College of Engineering. Please direct any comments to coe@utk.edu.

Sincerely,

Way Kuo
Dean and University Distinguished Professor,
The University of Tennessee College of Engineering
Undergraduate students often feel that completing a bachelor’s program within the traditional four years is quite a crunch. Even diligent students may need an extra year or two, but not Caleb Bastian. A senior in nuclear engineering, Bastian has taken that time to complete bachelor’s and master’s degrees in nuclear engineering with a minor in music while participating in the University Honors Program and a pre-medical/radiological sequence.

“Four years is not at all a typical deadline for that amount of work,” said Bastian. “However, it is a result of careful planning and high course loads. After entering the engineering fundamentals program during my freshman year, I kept the word ‘perseverance’ in mind. Anything is possible if you’re willing to work for it.”

Bastian switched majors in his freshman year, changing to nuclear engineering after attending NE department head Dr. Lee Dodds’ presentation to COE freshmen. “In the spring, the various engineering departments present to the freshman engineering class,” said Bastian. “I was very impressed with Dr. Dodds’ presentation. He presented nuclear engineering as a relatively broad field that is challenging and diverse. There are many career opportunities in the theoretical, computational, applied and interdisciplinary fields of nuclear engineering.”

Mathematics was one of the most attractive elements of nuclear engineering for Bastian. However, as expected, the program is not without challenges. “Complex concepts and heavy workloads can be overwhelming. A disciplined approach to studying circumvents these problems,” Bastian commented. His determination is shared by his peers. He recalled one of the first weekends during which he and several classmates studied practically nonstop. “We had an exam on partial differential equations in a math class taught by a hardcore Fulbright Scholar,” explained Bastian. “We had friends and family visiting during a weekend football game, and some of
us could only spend five minutes with them. We studied for three days—people ended up sleeping on my couch, but we all got through it. Now we know we can get through anything!”

Bastian said the time he has dedicated to his courses has rewarded him with both personal and professional skills. “Engineering considerably develops and refines rational and analytical thinking, skills that can’t be bought,” said Bastian. The technical capabilities he has acquired—strong programming and research experience—have furthered his interest in pursuing a career in nuclear engineering.

The group work aspects of many of his assignments have also contributed to his education. “Development of good communication and interpersonal skills for successful teamwork is a subtle and sometimes frustrating experience,” said Bastian. “But after enough time and experience completing projects in such a way, I believe I am better equipped to work in the ‘real’ world. It brings character to people.”

Bastian’s success in his studies has naturally extended beyond the classroom and into further research—he completed his research thesis and is currently contributing to nuclear engineering professor Dr. Wesley Hines’ Electric Power Research Institute (EPRI) project. Bastian explained that the overall goal of the project is to identify and implement ways of using online-monitoring information to update failure probability distributions through the use of Bayesian methods, heavily reliant on probability theory.

Bastian said he finds nuclear engineering a “very flexible degree. It allows people to go into business, research, health professions, industry, entrepreneurship—the possibilities seem limitless. I am interested in the radiological and bionuclear fields particularly,” he said. As he applies for fellowships and further graduate study in NE as well as the possibility of professional school, Bastian added that the experiences he has had at UT will continue to open doors in his future.

Under the supervision of the UT College of Engineering since 1998, the Governor’s School is a challenging five-week summer course of study and practical application of engineering, which is offered to rising high school juniors and seniors on a competitive basis. The program underwent extensive changes during 2005. The previous emphasis on manufacturing was changed to engineering fundamentals. Also, participating students successfully completing the program now earn six hours of academic credit.

Dr. Richard Jendrucko, professor and former associate head in the Department of Mechanical, Aerospace and Biomedical Engineering was named Director of the Governor’s School in the fall of 2004. He hopes to continue improving and upgrading the offerings of the UT-Knoxville Governors School, and emphasized that the program provides unique opportunities to recruit academically gifted students.

The Governors School for Engineering, as it is now named, will include in its curriculum for 2006 the study of biomedical engineering.
In a quiet laboratory near the UT campus, bacteria are diligently spinning nanofibrils—tiny threads—into a gel that could initiate the replacement of someone’s hip or spine and perform more efficiently than the previous version. This bacterial cellulose is the research focus of Stacy Hutchens, UT College of Engineering Ph.D. candidate in biomedical engineering, who has dedicated her study to development of synthetic bone grafting.

“As an undergrad, I realized how essential engineering is to medicine,” said Hutchens. “I admire that biomedical engineers use science and math to not only understand the intricacies of how the body works and why certain maladies occur, but to also develop novel technologies to diagnose and treat these conditions.” Hutchens completed her B.S. in engineering at The Cooper Union for the Advancement of Science and Art in New York City in 2001.

As a research assistant at Oak Ridge National Laboratory (ORNL), Hutchens helped develop applications of a novel composite that mimics the structure of physiological bone. She became lead investigator, and after ORNL filed a U.S. Patent Application based on her work, she decided to pursue graduate study at UT’s COE. Hutchens’ completed her master’s in Engineering Science (with a focus in biomedical engineering) at the University of Tennessee, Knoxville in 2004.

“Due to an aging population and an increasing amount of sports injuries in younger people, bone is the second most implanted tissue next to blood,” said Hutchens. “Previously, bone grafts were derived from the patient’s own bone, or from donor bone, which required a painful second operation. Donor bone also offers immunological risks, and is limited and expensive because of the lack of bone banks.”

Hutchens explained that fabricated bone grafts can be custom-made, are in an unlimited supply and provide strong mechanical properties. If properly developed and manufactured, synthetic bone grafts could fulfill patient demand.

As a Ph.D. candidate, Hutchens’ research continues with the natural polymer hydrogel called bacterial cellulose. “The cellulose is composed of very fine polysaccharide nanofibrils produced by bacteria which construct the fibrils into a crystalline, three-dimensional gel,” said Hutchens. “Once the cellulose is incubated in aqueous solutions of calcium and phosphate, a homogeneous deposition of hydroxyapatite forms in the hydrogel matrix much like in natural biomineralization. Scanning electron microscopy images have shown that this distinct cellulose structure guides the formation hydroxyapatite nanocrystals similar to those in bone.” Hutchens’ planned collaboration with UT Medical Center will involve an in-vivo study that will test bacterial cellulose for regenerative properties.

Hutchens stressed the mentoring offered by COE faculty: “I have relied on Dr. Roberto Benson’s guidance and expertise in biomaterials to direct my work with the cellulose-hydroxyapatite. With his help, I used X-ray diffraction, Fourier transform infrared spectroscopy and scanning electron microscopy in the materials science and engineering department.”

Reflecting on her time thus far in the college, Hutchens said, “I have gained crucial laboratory skills, written and published scientific papers, and developed my speaking skills—very helpful when presenting research at conferences. I also have received beneficial feedback from others in my field, and made successful collaborations that have greatly enhanced my work.” She also credits professional science and engineering chapters such as the American Society for Materials and the Society of Women Engineers as sources of support.
Hutchens explained the advantage of the interdisciplinary environment of UT’s COE. “Biomedical engineering necessitates knowledge of biology and chemistry, and I have found that the biology and chemistry departments have very helpful faculty and facilities,” she said. “Additionally, the presence of the Vet School and UT Medical Center opens up other opportunities to BME graduate students to perform medical research.”

After a stint in the industry for additional experience, Hutchens said that she wants to pursue medical research as well as teach future biomedical engineers. She would also like to promote programs that encourage the representation of women and minorities in science and engineering. “A workforce of varied backgrounds enriches engineering,” said Hutchens. “To develop applications of engineering that serve future issues and circumstances, it must have a source of variegated thinkers and craftspeople to implement their experiential ideas and approaches.”
In 2005, the College of Engineering added the **Pipeline Engineering Diversity Program** to its efforts toward increasing recruitment and retention of African-American, Hispanic-American and Native American students.

The COE has been steadily growing the underrepresented student population enrolled in its engineering programs. The Office of Engineering Diversity Programs, which includes outreach to pre-college minority students; the Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP); the Diversity Engineering Scholarship Program; and the Office of Professional Practice, have provided multiple opportunities for underrepresented students to receive scholarships, internships and cooperative employment. The Pipeline program continues that tradition through its comprehensive approach toward elevating the college’s minority enrollment, which has risen above national averages for the past several years.

Funded by the Department of Energy, Pipeline introduces underrepresented middle and high school students to engineering and offers assistance during both undergraduate and graduate level study in engineering.

Beginning with pre-college students, Pipeline co-sponsors a one-week COE summer program encouraging minority middle and high school students to explore the opportunities in the undergraduate engineering program. Workshops show these potential students how best to prepare for a major in engineering. Once accepted into the college, students participate in the Summer Bridge Program, designed to facilitate the transition from high school to college. Students meet faculty and complete projects related to freshman year curriculum.

Continuing with Pipeline, rising junior and senior undergraduates are eligible for paid summer research opportunities lasting ten weeks and paying $400 weekly. During this time students work with faculty mentors on engineering projects that they will present in the annual Exhibition of Undergraduate Research and Creative Achievement competition.

Dr. Masood Parang, Associate Dean of Student Affairs, explained that Pipeline also assists up to 20 minority graduate students every year. Through competitive graduate research assistantships, the Graduate Research Partnership Program focuses on matching qualified minority graduate students with research initiatives available at various COE labs and centers and at the nearby Oak Ridge National Laboratory.

“Pipeline graduate research assistantships make it possible for grad students to work directly with faculty accomplishing funded research,” said Parang. “The nature of the assistantship—the type of research—and the amount of the stipend, $24,000 annually for two years for master’s students and for up to four years for doctoral students, are unique.” The assistantships also include tuition waivers.
The University of Tennessee welcomed 4,241 freshmen on August 24th, 2005. The HOPE Scholarship, funded by the Tennessee State Lottery, and expanding recruitment efforts continue to attract a greater number of incoming freshmen.

The COE’s freshmen class was up from 537 in the fall of 2004 to 586 in fall 2005. This year’s freshman group continued the tradition of high student test scores. Fall 2005’s freshman class entered with an average 27.8 ACT test score, a slight increase from the average 2004 COE freshman ACT score. ACT scores for engineering students are traditionally higher than those in other disciplines. In 2005, the engineering freshman ACT average score of 27.8 was 2.2 points above the overall UT incoming freshman average of 25.6.

The average math ACT score for entering COE freshmen was 28.0.

Due to the improved quality of applicants, the college changed its admission criteria in 2005. The Success Predictor Indicator (SPI), a combination score consisting of $10 \times \text{Core High School GPA} \times \text{ACT math score}$, was increased to 56 in order to reflect higher standards for engineering students.

Dr. Thomas Scott, associate professor in the college’s Engineering Fundamentals Division and a COE recruiter said, “The number and quality of students visiting our display has increased. The lottery funding creates a strong attraction. Students are drawn to the variety of majors available and the affordability of an excellent engineering education.”

### Degrees Granted in 2005

<table>
<thead>
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<th>Degree</th>
<th>B.S.</th>
<th>M.S.</th>
<th>Ph.D.</th>
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<tr>
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<td>171</td>
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### College of Engineering Enrollment Trends by Year

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<th>Year</th>
<th>Undergraduates</th>
<th>Masters</th>
<th>Doctorates</th>
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<tr>
<td>2001</td>
<td>1,706</td>
<td>274</td>
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<td>405</td>
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</tr>
<tr>
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<td>1,815</td>
<td>462</td>
<td>225</td>
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<td>2005</td>
<td>1,793</td>
<td>453</td>
<td>231</td>
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In the early 1970s, it was a “natural path” for Min Kao to apply for a teaching assistantship to continue his graduate studies in engineering at the University of Tennessee, Knoxville.

However, the path Dr. Min H. Kao traveled over the next three decades led to a gift of extraordinary generosity to the University of Tennessee-Knoxville, College of Engineering—one that will insure that Kao’s name will be known by future engineering students for generations to come.

Kao, a native of Taiwan, received his bachelor’s degree in electrical engineering from the National Taiwan University in Taipei. After graduation, he applied to universities in the United States for his postgraduate studies. When he was offered a teaching assistantship at the University of Tennessee, which helped to pay for his tuition and expenses, he decided to accept; his brother was also a student at Vanderbilt University, so the proximity of Knoxville to Nashville made UTK an obvious choice.

As a graduate student, Kao worked on research projects under the guidance of now-retired ECE professors Dr. James Hung and Dr. Robert Bodenheimer.

“I found the University of Tennessee’s engineering program to be very practical, and a logical next step to the theory I studied at National Taiwan University,” Kao said. “Looking back, I can see how well this training has served me throughout my career. Of course, some of the things I enjoyed most about my days at UT were the various research projects that I undertook.
under the supervision of Dr. Hung and Dr. Bodenheimer.”

After receiving his master’s and Ph.D. degrees in electrical engineering from UT in 1975 and 1977, respectively, Kao accepted a position at Teledyne, where he was involved in the development of various navigation systems. He was employed for stints at Magnavox and King Radio (which later was sold to AlliedSignal, and eventually to Honeywell), but eventually Kao decided to join forces with a former King Radio colleague, Gary Burrell, to start their own company. Both had extensive experience in navigation systems; Kao had led the Global Positioning Systems (GPS) team that developed the first GPS receiver certified by the Federal Aviation Administration.

“We worked hard, learned a lot along the way, and surrounded ourselves with talented people. Looking back, I can say with all honesty that starting a new company with absolutely no business, manufacturing or marketing training was never part of my life’s plan,” Kao added.

The company was initially named ProNav and then later renamed Garmin—a play on the first names of the founders. Garmin introduced its flagship GPS product for the domestic marine market and then expanded to international marine and aviation applications. Burrell and Kao established their first office in Lenexa, Kansas, in 1989, and started to build up their U.S. campus at their current Kansas City suburb location in 1996.

Garmin Ltd. is currently a world leader in aviation, marine, recreational, fitness and automotive GPS markets, and has reported significant growth over the past 15 years. The company has nearly 3,000 employees worldwide located at facilities in Kansas, Oregon, Arizona, Taiwan and England. To date, Garmin has shipped more than 10 million GPS navigation, communication and information devices.

“We focus on insourcing and creating jobs. We implement a vertical integration concept for which we design, develop and market every product under the Garmin name,” Kao commented.

Kao had stayed in touch with Hung over the years, and initially contacted the retired engineering professor with the proposal of providing a gift of lasting value to a university—potentially, his alma mater, the University of Tennessee. Hung suggested that Kao consider donating funding toward a much-needed new engineering building.

Kao’s transformational donation of $17.5 million to the Department of Electrical and Computer Engineering—$12.5 million designated for a new building and $5 million in matching funds to generate an endowment of $10 million—is the largest single-donor private gift in the history of UT-Knoxville. Both the new facility and the ECE department will be named after Kao in honor of his generosity.

Prior to the announcement of the gift, Kao modestly stayed in the background, remaining anonymous while details were being worked out and only revealing his name after the arrangements were final in order to keep the focus on the building and fundraising initiatives. However, he is excited about the new facility, and hopes to visit Knoxville for the dedication ceremony.

“I’m not much help around a construction site, so don’t expect to see me in a hard hat. However, I hope to provide some input at the design stage, and I will certainly be on hand for the excitement of the building’s dedication,” Kao said.

Kao will continue to lead Garmin, where he has plans for future growth. He also hopes to make time for travel and family activities with his wife, Fan, and their two adult children.
Research generated by College of Engineering faculty runs the gamut of investigations ranging from the atomic scale to outer space. COE professors are determining new methods to make alternative fuels, to manufacture vehicles more efficiently and to create technologically advanced operating rooms that improve conditions for both doctors and patients.

**Dr. Philip Rack**, Department of Materials Science and Engineering—Rack, an associate professor in the MSE Department, is collaborating with other researchers at Oak Ridge National Laboratory (ORNL) affiliated with the Molecular-Scale Engineering and Nanoscale Technologies (MENT) Research Group. The focus of the program is to leverage nanoscale fabrication facilities available at both UT and ORNL in order to develop new synthetic interfaces with biological materials. The $1.4 million project is funded by ORNL.

The group is currently working on the creation of a massively parallel, electrically addressable intracellular probe machine. The development of this device will lead to more rapid discovery rates as the group investigates challenges such as intracellular communication, localized drug delivery and other possibilities, including controlled gene regulation.

**Dr. Larry Townsend**, Department of Nuclear Engineering—In 2002, Townsend, a professor in the NE Department, was selected by NASA to be the principal investigator and leader of a multi-institutional consortium tasked with developing the next generation of space radiation transport codes for the agency. These codes are used to model the passage of radiation fields, such as those found in deep space, through materials such as spacecraft protective shielding and the human body. These codes can be used to estimate possible radiation
exposures to astronauts from cosmic radiation in deep space and to design and model the protective shielding to be used on spacecraft in order to insure crew health and safety.

UT was selected as the lead institution in the consortium, which is funded at $3 million for four years. The project is managed out of NASA Marshall Space Flight Center in Huntsville, Ala.

Dr. Fong-Yuen Ding, Department of Industrial and Information Engineering—Ding, a professor in the IIE Department, is working on a product complexity study related to supply chain and production systems at a major automobile manufacturer.

Product and part complexity can significantly affect automobile market share, part costs and manufacturing and supply chain costs. When making analysis and decisions about product complexity, comprehensive considerations normally provide better outcomes. Ding is working to develop an analytical model and an evaluation approach regarding the value and costs of product complexity to create solutions for this issue.

Ding is also working on another automotive-manufacturing related research project involving scheduling and sequencing for automobile assembly lines through the creation of a mixed-model sequencing procedure, multiple assembly-line objectives can be evaluated. The project also develops several scheduling-related methods to assist in scheduling of automobiles prior to sequencing.

Dr. David Keffer, Department of Chemical Engineering—David Keffer, ChE associate professor, is the principal investigator leading, among other projects, a research group consisting of four professors from the ChE department and a colleague from ORNL for a project involving the fundamental understanding of alternative fuel sources.

The group received a $825,000 grant from the U.S. Department of Energy (DOE) for their project, “A Unified Computational, Theoretical and Experimental Investigation of Proton Transport through the Electrode/Electrolyte Interface of Proton Exchange Membrane Fuel Cell Systems.”

The research involves the study of proton transport at the electrode/electrolyte membrane interface in hydrogen fuel cells. The primary goal of DOE’s hydrogen and research development projects is to make hydrogen fuel vehicles and refueling stations available, practical and affordable for American consumers by 2020.

Dr. Mohamed Mafouz, Department of Mechanical, Aerospace and Biomedical Engineering—Mohamed Mahfouz, a joint-appointed assistant professor in the MABE Department at UT and at ORNL, and Co-Director of the Center for Musculoskeletal Research (CMR), is working in numerous biomedical applications in computer-aided surgery.

His novel patient-specific 3-D modeling techniques reduce patient radiation exposure while enhancing surgical pre-planning. Intra-operative microsensors developed by Mahfouz increase surgeons’ accuracy during joint replacements. He is also developing microsensors for in-vivo use in implants to monitor physiological activities post-operatively. As part of this work, he founded the MEMS characterization lab at CMR at the University of Tennessee. Mahfouz received a $2 million grant from Zimmer, Inc. to continue development of these areas.

Mahfouz is currently collaborating with ORNL in DARPA projects, and he continues his well-established research of following patient bone movement under X-ray surveillance to produce highly accurate information about joint movement.
Beginning in 2003, Dean Way Kuo led a comprehensive effort to streamline the College of Engineering administrative structure. One of his first initiatives was to designate three associate deans who would provide leadership in the areas of academic affairs; research and technology; and student affairs.

“We are fortunate to have three individuals with outstanding academic, research and professional credentials to serve in these important leadership roles for our college,” said Dr. Kuo. “I am very enthusiastic about working with our associate deans and the rest of our administrative and academic team to meet the strategic goals that we have set for the coming years.”

Dr. Alberto Garcia was named the college’s new Associate Dean for Academic Affairs on August 1, 2005. Areas of responsibility for this position include the coordination and supervision of the tenure and promotion process for the faculty of the college; overview of faculty hiring; coordination of faculty development and recognition activities; supervision of diversity and benchmarking initiatives; allocation of instructional fees and classroom upgrade funds; and leading outreach and international education efforts. Dr. Garcia also currently oversees the enhancement of the strategic plan for the college.

Dr. Garcia was formerly a professor and director of undergraduate programs for the Department of Industrial Engineering at Texas A & M University. He received his B.S. degree in industrial engineering from the Industrial University of Santander, Colombia, and his M.S. and Ph.D. degrees in industrial engineering from the University of Illinois at Urbana-Champaign. Dr. Garcia also serves as a full professor in the COE’s Department of Industrial and Information Engineering.
Dr. Wayne Davis, a faculty member and researcher at the University of Tennessee for over 28 years, was named as Associate Dean for Research and Technology in March 2004 after serving as Interim Associate Dean since July 2003. Areas of supervision for Dr. Davis’ office include technology and intellectual property; grants and contracts; administration of the COE’s five research centers; and management of facilities and space for the college, including COE oversight of construction for the new Department of Electrical and Computer Engineering building, the reconstruction of Estabrook Hall, and the proposed new building which will house the Joint Institute for Advanced Materials. Dr. Davis also coordinates the college’s interactions with the UT Office of Research Administration, the UT Research Foundation and nearby Oak Ridge National Laboratory (ORNL), a facility managed by the team of UT-Battelle.

Dr. Davis, a professor in the Department of Civil and Environmental Engineering, received his bachelor’s in physics from Pfeiffer University, his M.S. in physics from Clemson University, and his M.S. in environmental engineering and Ph.D. in civil engineering from the University of Tennessee. He also held the positions of Assistant and Associate Dean of the UT Graduate School from 1985 until 1991.

Appointed as Associate Dean for Student Affairs in September 2004, Dr. Masood Parang also has over two decades of experience in teaching, research and administration. Dr. Parang manages student-related academic areas, including degree programs and curriculum; graduate and interdisciplinary programs; the Office of Professional Practice (OPP); the American Board of Engineering Technology (ABET) accreditation activities and requirements; scholarships; the Freshman Engineering Fundamentals Program; and advising and recruiting activities, including supervision of the newly established Engineering Ambassadors program. He also manages the College of Engineering international education and recruitment efforts and coordinates the MS-MBA dual degree program with the College of Business Administration.

Dr. Parang received his bachelor’s, M.S. and Ph.D. degrees, all in mechanical engineering, from the University of Oklahoma. A Shell Professor of Mechanical Engineering in 2000-2001, he was also the interim department head of the Department of Mechanical, Aerospace and Biomedical Engineering (MABE) in 2004.
A new academic engineering building has not been built on the UT-Knoxville campus since the Dougherty Engineering Building was constructed in 1962. In 2005, the college received an influx of funding which provided an opportunity to break ground on a new departmental building and to completely renovate the second oldest educational structure on campus.

**The Min H. Kao Electrical and Computer Engineering Building**

In early 2005, UT-COE electrical engineering graduate Dr. Min Kao, CEO of Garmin Ltd., one of the world’s largest manufacturers of Global Positioning Systems (GPS) products, committed to a transformational gift of $17.5 million to the UT College of Engineering—the largest single-donor private donation in UT-Knoxville history. A total of $12.5 million from the donation was designated for the construction of the new, state-of-the-art Min H. Kao Electrical and Computer Engineering Building, which will house the Department of Electrical and Computer Engineering (ECE).

Tennessee Governor Philip Bredesen included an additional $25 million in matching funds for the facility in his annual budget, which was approved by the Tennessee State Legislature in June 2005, bringing the building initiative to a total of $37.5 million.

The 150,000 square foot facility will be constructed on the east side of the area of campus known as “The Hill,” between the Dougherty Engineering Building and Cumberland Avenue. The facility will include two “clean rooms” to create microelectronic devices and for the development of nanotechnology-related fabrications. Technologically advanced laboratories and classrooms, as well as updated office facilities for ECE administrators, faculty and staff, will also be included in the building.

The Knoxville firms of Bullock, Smith and Partners and Lindsay and Maples Architects have been selected to design the new facility. The college hopes to break ground on the project within the next two years, and the projected completion date is late 2009.
Estabrook Hall

The second-oldest building on campus, Estabrook Hall, named for Joseph Estabrook, the fifth president of the University of Tennessee-Knoxville, has long been on the state’s list of proposed renovation projects. The Tennessee State Legislature approved $16.6 million for reconstruction of the building in June 2005, and current plans are to relocate the Department of Civil and Environmental Engineering (CEE) from its current home in Perkins Hall to the new facility after completion.

Berry Hall, the 7,140 square foot building behind Estabrook, will be razed to allow more space for expansion. The project is expected to run about six months behind the Min H. Kao Building schedule, since the existing Estabrook occupants must be temporarily relocated to other facilities. Grieve and Associates and Pro2Serve, a multi-disciplinary architectural and engineering group, have been selected to manage the renovation. Initial groundbreaking on the Estabrook project is expected to take place in late 2007, with the estimated completion date slated for 2009-2010.

The two buildings will help the college accommodate growing enrollments and will provide more advanced facilities to enhance learning and research opportunities for students and faculty.

The UT-Knoxville campus has several major building and renovation projects currently in the works, including the College of Business Administration’s Glocke Hall; a new aquatic facility; the renovation of Neyland Stadium; and the completion of the Hesler Biology Building Phase II.

“We must have the facilities and faculty to meet the needs of an expanded number of students,” said UT Knoxville Chancellor Loren Crabtree. “These new buildings provide us with a real opportunity to make a difference for our students, for the university and for the State of Tennessee.”
Dayakar Penumadu has never seen completing a Ph.D. as the ending of an educational experience. “It is only the beginning of even more exciting achievements,” said Penumadu, a professor in the Department of Civil and Environmental Engineering (CEE).

Penumadu knows what he is talking about—over a decade after he received his Ph.D. from the Georgia Institute of Technology (Georgia Tech) in Atlanta, he is still pursuing new knowledge in both the classroom and in the laboratory.

Penumadu was a civil and environmental engineering faculty member at Clarkson University in Potsdam, New York, when he received word about an opening in UT’s CEE department.

During his doctoral training, Penumadu had become interested in the mechanics of multi-phase materials as related to its microstructure with specific emphasis on colloidal clays. Although much of his fundamental research was not immediately tied to the traditional civil and environmental engineering areas, he was eager to explore advances related to the physico-chemical behavior of these micron to nanometer particles and how those particles behave in assembly.

“I was using many materials science and engineering techniques in the research that I was conducting,” Penumadu explained. “I started to step out of the civil and environmental engineering boundaries to work with researchers in other areas.”

UT’s reputation for extensive multidisciplinary research in the area of materials interested Penumadu, particularly since a professorship at the university also provided an opportunity to

Outstanding Faculty Member
Dr. Dayakar Penumadu
coordinate projects through the Tennessee Advanced Materials Lab (TAML), a program of joint UT-Oak Ridge National Laboratory (ORNL) research.

Penumadu joined the COE faculty in 2001, and has been working with researchers in several other engineering departments on a variety of multidisciplinary projects. He has received numerous grants and contracts, including a $1.4 million project sponsored by the Department of Energy (DOE) and General Motors to generate research on using clay-based refractory coatings for metal-casting processes and a contract from the National Science Foundation to study the effect of microstructure on mechanical properties of Kaolin in three dimensions.

Penumadu has received numerous awards for his research, including the “Best Technical Paper Award” by the American Foundry Society in 2005, the UT College of Engineering Research Fellow Award in both 2004 and 2005, and the Outstanding Teacher Award in the CEE department in 2003.

Although Penumadu enjoys the rewards of research, he also stresses the importance of teaching.

“Teaching is the most important function of a faculty member,” he commented. “It is important to bring excitement to the students through knowledge, that is why good researchers are usually good teachers.”

Penumadu is impressed with the level of dedication shown by both his undergraduate and graduate engineering students and appreciates the challenge of dealing with two very different styles of instruction.

“Although the course materials that are used in undergraduate classes are less technically complex, there is a strong personal satisfaction in providing that initial learning experience,” he said. “The graduate students have more intricate material to understand and the additional requirement of performing research to back up their knowledge.”

Penumadu is appreciative of the opportunity to affect so many individuals through his role as a UT professor and researcher.

“It’s wonderful to have the feeling that I have made a difference in the lives of so many students,” he added. “They are ambassadors of what we do here—every time I enter a classroom and see the students, I realize that they will eventually all go in different directions and will influence so many others along the way. It is important that we serve them well as educators.”
The 2004-2005 fiscal year was a productive period for the College of Engineering’s research centers. The addition of administrative oversight for the Center for Transportation Research (CTR) in June of 2005 increased the college’s total number of centers to five and enhanced the scope of COE research activities.

**Center for Homeland Security and Counterproliferation (CHSC)**

John Doesburg, Executive Director

The CHSC’s primary goal is to establish a network of professional, academic and research partnerships through enhanced cooperation with the region’s abundant scientific and technological assets in order to provide risk-based solutions to compelling homeland security needs.

In 2005, John Doesburg, a retired Commanding General of U.S. Army Research Development and Engineering Command, was named director of the CHSC. Under his direction, CHSC-led efforts have resulted in numerous collaborative grant applications, several live demonstrations of cutting-edge technologies and the establishment of programs such as the College of Nursing’s Master’s Degree in Homeland Security and the Law Enforcement Innovation Center’s training activities for the Governor’s Office of Homeland Security.

Another exciting CHSC initiative is the UT Graduate School of Medicine’s Medical Fellowship in Homeland Security Studies. This two-year program combines graduate-level work in the Master’s of Public Health Program and the College of Nursing’s Homeland Security Studies program and includes involvement in the Homeland Security activities of the ORNL National Security Directorate.

In January and February of 2005, CHSC sponsored a nine-segment WATE-TV public outreach series entitled “Safe and Secure,” which highlighted the significant contributions that the East Tennessee region is making to the war against terrorism. Related print articles were also featured in the *Weekly Homeland Security Newsletter*, published by the Department of Homeland Security’s Homeland Security Institute.

**The Measurement and Control Engineering Center (MCEC)**

Dr. Richard Jendrucko, Director

An Industry/University Cooperative Research Center organized under the auspices of the National Science Foundation (NSF), MCEC’s activities involve faculty members from several engineering departments and the Department of Chemistry, as well as the personnel and facilities at Oak Ridge National Laboratory (ORNL).

The MCEC’s mission is to accelerate the development and implementation of measurement and control technology in industry by serving as a national center for research and teach-
Center for Transportation Research (CTR)
Dr. Stephen H. Richards, Director

The Center for Transportation Research (CTR) has three goals: to conduct a program of superior research in transportation-related areas; to develop and sustain technical expertise for high-quality research initiatives through the university and the COE; and to serve the transportation research, service and training needs of local, state, regional and national government, business and industry.

Highway safety initiatives through the Tennessee Department of Transportation (TDOT) and the Governor’s Highway Safety Office (GHSO) continue to be a part of the CTR’s focus on training and education, with the goal of creating an increased public awareness of safety issues. The center is at the forefront of educating and promoting responsible and safe driving behavior throughout Tennessee, with over $2 million dollars in state and federal funding devoted to this mission. Related programs include: Safe Communities; Public Information and Education; Law Enforcement Liaison; Alcohol Countermeasures; and The Tennessee Traffic Safety Resource Service (TTSRS).

Other initiatives which address the three goals—education, research and training—of the CTR include the Tennessee Van Program, which has been in existence since 1990 and receives funding and/or generates revenue in excess of $2 million dollars annually; the 20-year-old Tennessee Transportation Assistance Program (TTAP), which maintains funding from TDOT and the Federal Highway Administration (FHWA) for the purpose of training local transportation agency staff and other transportation professionals; and the Southeastern Transportation Center (STC), which promotes transportation safety and receives nearly $1 million dollars annually to help support students and faculty from 10 universities in five states who are working with transportation-related research and education programs.

Funding from TDOT also allows CTR staff and faculty to initiate and maintain research projects that deal with highway safety, transportation planning tools, GIS studies, pavement methods, bridge safety and behavior, erosion and soil studies, noise studies and accident/traffic modeling, and air quality studies related to transportation.
Center for Materials Processing (CMP)

Dr. Carl J. McHargue, Director

The CMP is designated by the state of Tennessee as a Center of Excellence. The mission of the center is to focus on the control of material properties through their composition and molecular structure, in addition to determining how these factors relate to materials processing. CMP researchers encompass all engineering disciplines.

In response to interest by member companies, the center initiated additional studies in nanotechnology in the COE’s Department of Materials Science and Engineering. Two of these projects were dedicated to the study of the preparation and properties of nanometer-sized inorganic particles dispersed in polymer matrices. These nano-composites have unusual mechanical and optical properties. Another study concerns the preparation of polymeric fabrics that contain nanometer-sized compounds that respond to external stimuli such as temperature, stress or chemicals; these materials are of interest for “smart” clothing, packaging, etc.

Research activities and collaborative projects fostered through the CMP and Director McHargue also continue to enhance the international reputation of the University of Tennessee as a world leader in the field of materials research.

Maintenance and Reliability Center (MRC)

Tom Byerley, Director

A university-industry association, the MRC is dedicated to improving industrial productivity, efficiency, safety and profitability. Established in 1996, MRC has collaborative educational and research activities with faculty and staff in all COE departments.

The MRC continued to grow in both membership and program capabilities this year. The numbers of member companies increased to 32, along with five media affiliate members and two consulting affiliate staff. Attendance at the MRC member meetings increased to all-time highs. The intern program also continued to thrive, with 25 engineering students serving summer internships with MRC member companies.

The MRC’s master’s degree program in Maintenance Management and Reliability Engineering, conducted in partnership with Monash University of Australia, also grew, with 35 students enrolled at the beginning of the school year.
On Tuesday, April 12, 2005, history was made at the College of Engineering’s annual Honors Banquet as Dean Way Kuo presented the prestigious Nathan W. Dougherty Engineering Award to its first minority recipient, Dr. Mark Dean. Dean’s proud parents, James and Barbara Dean, were present at the event to see their son receive the award.

Dean, currently Vice President at IBM and the lab director of IBM’s Almaden Research Center in San Jose, California, oversees more than 500 scientists and engineers performing exploratory and applied research in various hardware, software and services areas, including nanotechnology, materials science, storage systems, data management, web technologies, workplace practices and user interfaces.

Dean received his bachelor’s degree in civil engineering from UT in 1979. He later earned a master’s degree in electrical engineering from Florida Atlantic University and a doctoral degree in electrical engineering from Stanford University.

In the early 1980s, Dean and a fellow inventor, Dennis Moeller, developed computer architecture that allowed IBM and IBM-compatible personal computers to run high-performance software. He holds three of the original nine patents on the standard IBM personal desktop computer that served as a basis for all personal computers.

Dean was the chief engineer for the development of the IBM PC/AT, ISA systems bus, PS/2 Model 70 and 80, the Color Graphics Adapter in the original IBM PC and numerous other subsystems. His invention of the Industry Standard Architecture (ISA) “bus”—which permitted add-on devices such as keyboards, disk drives and printers to connect with a motherboard—earned him election into the National Inventors Hall of Fame in 1997. Dean was only the third African-American to receive that honor.

In 1997, Dean was named to be both director of the Austin Research Laboratory and director of Advanced Technology Development for the IBM Enterprise Server Group.

Dean was named “Black Engineer of the Year” in 1997 and in 2000. In 1995, Dean was appointed as an IBM Fellow, IBM’s highest technical honor. Among Dean’s other awards, he has received 13 Invention Achievement Awards and six Corporate Awards. He also was honored with the U.S. Department of Commerce’s Ronald H. Brown American Innovator Award.

Overall, Dean holds more than 40 patents. In 2000, U.S. News & World Report named him as one of the “Innovators of the 21st Century.”

The Dougherty Award is traditionally given to an individual whose professional engineering practice has advanced the field of engineering and brought honor and distinction to the College of Engineering. The award is named in honor of UT graduate and former COE Dean Nathan Dougherty, who served as dean from 1916 to 1946.
Hairong Qi, an associate professor in the Department of Electrical and Computer Engineering (ECE), has compiled a notable record of achievement in her field since joining the UT COE faculty in 1999.

Qi received her B.S. and M.S. degrees in computer science from Northern Jiao Tong University in Beijing, P.R. China, and her Ph.D. from North Carolina State University in Raleigh, North Carolina.

“I initially investigated employment in commercial industry after receiving my doctorate,” she said. “However, my heart was in research and so I decided to become a university professor.”

After Qi joined the ECE department, she began collaborating with researchers at Louisiana State University and Duke University on a project to create a wireless sensor network that could be placed in a potentially hazardous environment, such as a military battlefield, to collect data on enemy personnel or suspicious activities that occur in a particular area. The research, funded by the Defense Research Projects Agency (DARPA), is based on the theory that a sensor network is less expensive to produce, operates more efficiently and is also not as vulnerable to overall performance failure as a central “super computer;” if one sensor goes out, its function can be replaced by the others in the network.

Qi’s project, “CAREER: Collaborative Signal and Information Processing in Sensor Networks” received a National Science Foundation (NSF) CAREER award in May 2005. The grant is funded through 2010.

Potential applications of Qi’s sensor network research include environmental and traffic monitoring; biochemical agent detection; target detection, classification, localization and tracking in battlefield surveillance; and human health monitoring using biosensors mounted on the human body.
In addition to the NSF award, Qi has also received other noteworthy recognitions including the UT Chancellor’s Award for Professional Promise in Research and Creative Achievement in 2004; the UT Angie Warren Perkins Award for Women Junior-Level Faculty Scholarship, Teaching, and other Significant Contributions in 2004; and the COE’s Leon and Nancy Cole Superior Teaching Award in 2003.

In her role as a professor, Qi feels strongly about maintaining an open door policy with her students to assist with questions or difficulties.

“I always try to keep a journal in order to see what I have accomplished that day,” Qi commented. “I also start keeping a journal for each graduate student doing research with me. It makes me feel that I’m making progress to note if I’ve helped a student to solve a problem, or if someone talks with me about a new idea for research. I feel responsible for the students. My class might not be easy, but I want the students to really learn the material. When I teach, I try to explain things from their viewpoint. When you get a student excited about a topic, that’s a good feeling.”

While Qi spends much of her research time working with computers, she also values the communication with her students and professional colleagues.

“I’m not necessarily an outgoing person, but I’m starting to enjoy the task of interacting with others,” she said. “I would like to work more with colleagues to exchange knowledge and to discover the ways that we complement one another.”

Collaboration, Qi adds, whether between sensors in a network or people at a university, is the key to success.
The origins of the College of Engineering at The University of Tennessee date back to 1838. It is the fourth oldest engineering college in the nation.

**Enrollment**

**Full-Time Programs**
- Undergraduate: 1,793
- Graduate: 684
- Total: 2,477

**Degrees Granted**
- Bachelor of Science: 297
- Master of Science: 171
- Doctor of Philosophy: 37
- Total: 505

**Faculty**
- Professors: 83
- Associate Professors: 42
- Assistant Professors: 27
- Total: 152

There are three National Academy of Engineering members; three UT-ORNL Distinguished Scientists; two University Distinguished Professors; and two Chairs of Excellence in the college: the Ivan Racheff Chair in Materials Science and Engineering and the Henry C. Goodrich Chair in Civil Engineering.

**Student/Faculty Ratio**
- 15:1 (undergraduate)

**Accreditation**
The university’s engineering academic programs are fully accredited by the ABET Engineering Accreditation Program.

**Departments**

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<thead>
<tr>
<th>Chemical Engineering</th>
<th>Industrial and Information Engineering</th>
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<tbody>
<tr>
<td>Dr. John R. Collier</td>
<td>Dr. Adedeji Badiru</td>
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<th>Civil and Environmental Engineering</th>
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<td>Dr. Eric Drumm</td>
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<td>Interim Department Head</td>
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<th>Electrical and Computer Engineering</th>
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<td>Dr. Samir El-Ghazaly</td>
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<th>Mechanical, Aerospace and Biomedical Engineering</th>
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<tr>
<td>Dr. William R. Hamel</td>
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<th>Nuclear Engineering</th>
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<td>H. Lee Dodds</td>
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**Degrees Offered**

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<td>Polymer Engineering</td>
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<td>Polymer Engineering</td>
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*Note: The Department of Biosystems Engineering and Soil Science in the College of Agricultural Sciences and Natural Resources offers B.S., M.S., and Ph.D. degrees in Biosystems Engineering.*

**Special Programs**

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<th>Engineering Fundamentals Division</th>
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<tr>
<td>Diversity Engineering Scholarship Program</td>
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<td>Office of Professional Practice</td>
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<td>Engineering Diversity Programs</td>
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<th>Pipeline Engineering Diversity Program</th>
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<tr>
<td>Tennessee Louis Stokes Alliance for Minority Participation</td>
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LEADERSHIP TEAM

Dr. Way Kuo
Dean of Engineering and University
Distinguished Professor
Knoxville, Tenn.

Ms. Karyl Bartlett
(BS/ME ’84, MBA ’00)
Leader, Propulsion Systems
Boeing Production System
Seattle, Wash.

Dr. Alberto Garcia
Associate Dean for Academic Affairs

Dr. Masood Parang
Associate Dean for Student Affairs

Dr. Wayne T. Davis
Associate Dean for Research & Technology

Dr. Luther Wilhelm
Associate Dean for Special Projects

Judy Moore
Director of Finance and Administrative Affairs

Patricia Shea
Director of Engineering Development

Kim Cowart
Manager of Engineering Communications

Dr. J. Roger Parsons
Director of the Engineering Fundamentals Division

James T. Pippin
Director of Engineering Diversity Programs

Walter Odom
Director of the Office of Professional Practice

BOARD OF ADVISORS

Dr. Bert Ackermann Jr.
(BS/NE ’65, MS/NE ’67, PhD/NE ’71)
CEO, SPINLAB
Knoxville, Tenn.

Ms. Karyl Bartlett
(BS/ME ’84, MBA ’00)
Leader, Propulsion Systems
Boeing Production System
Seattle, Wash.

Dr. Tom F. Cheek Jr.
(BS/EE ’61, PhD/EE ’69)
Vice President of R & D
Epic Systems, Inc.
Dallas, Texas

Mr. Thomas R. Blose Jr.
(BS/CE ’70)
Retired
Brentwood, Tenn.

Dr. Mark E. Dean
(BS/EE ’79)
IBM Fellow and Vice President
Almaden Research Center
San Jose, Calif.

Dr. R. G. Gilliland
(BS/ChE ’58, MS/MetE ’63)
Retired
Pittsburgh, Pa.

Mr. Ron Green
(BS/EPh ’70, MS/EPh ’78)
Chairman
ADVATECH, LLC
Charlotte, N.C.

Dr. H. Lee Martin
(BS/ME ’78 PhD/ME ’86)
Managing Member
Clarity Resources, LLC
Knoxville, Tenn.

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(BS/EPh ’70, MS/EPh ’78)
Chairman
ADVATECH, LLC
Charlotte, N.C.

Mr. H. M. Hashemian
(MS/NE ’77)
President and CEO
Analysis & Measurement Services Co.
Knoxville, Tenn.

Mr. Edwin A. McDougle
(BS/CEE ’69, MS/CEE ’75)
Principal
Ross Bryan Associates, Inc.
Engineers
Nashville, Tenn.

Mr. Raja J. Jubran
(BS/CEE ’81)
Chairman and CEO
Denark Construction Inc.
Knoxville, Tenn.

Mr. Andrew K. Phelps
Vice President and Deputy General Manager
Bechtel Jacobs Company, LLC
Oak Ridge, Tenn.

Mr. James B. Porter Jr.
(BS/ChE ’65)
Vice President of Engineering and Operations
E.I. DuPont de Nemours Corp.
Wilmington, Del.

Mr. Richard T. Snead
(BS/IE ’73)
President and CEO
Carlson Restaurants Worldwide
Carrollton, Texas

Mr. Mike Young
(BS/CE ’71, MS/EnvE ’72)
Senior Vice President/CEO
Allen and Hoshall, Inc.
Memphis, Tenn.
Enterprising engineer, successful entrepreneur, dedicated philanthropist, devoted husband and father...all of the above descriptions fit Joseph C. Cook Jr., a committed UT College of Engineering alumnus and the current Chairman of the COE Board of Advisors.

Cook graduated from UT in 1965 with a Bachelor of Science degree in industrial engineering. As the first member of his family to either graduate from high school or attend a university, the Chattanooga native worked his way through college as a co-op student and also received support from an alumni scholarship.

“I could not have attended UT without that scholarship,” Cook said. “It meant that somebody cared enough for me, and others like me, to have a chance to go to school. I remember thinking that the beneficiary of that generosity should feel a duty to repay that and more so that there will always be funds available for people who are deserving but cannot afford the cost. ”

After graduating with honors, including selection as a UT Torchbearer, Cook accepted a position with Eli Lilly and Company, a pharmaceutical company located in Indianapolis. During his 28 years with Lilly, Cook served in a number of senior positions, including head of engineering, vice president of production and group vice president of global operations.

In 1993, Cook retired from Lilly and began a second career as a strategy consultant to the biotechnology industry.

In March of 1998, Amylin Pharmaceuticals asked Cook to assume the role of chairman and chief executive for the small publicly traded biotech company. Although he and his wife, Judy, had settled in Black Mountain, North Carolina, Cook accepted and began commuting between North Carolina and San Diego. He viewed his involvement with the company as strictly a one or two-year stint. However, unexpected results from two clinical trials on SYMLIN, an experimental diabetes drug, sent Amylin into a tailspin.

“Our stock plummeted, and we had only 90 days of cash left,” Cook explained. “We had to downsize by 80% to only 37 employees in order to keep our research and development going. But we did manage to hold career fairs and got almost all of our displaced employees jobs before their severance pay ended.”

In the end, Cook, other members of the
Amylin board and a significant individual outside investor wrote personal checks to keep the company going. Cook’s one year commitment turned out to be a five-plus year cross-country commute.

In late 1999, the results of two new clinical trials were positive, and Cook began re-building Amylin. During the initial phase, 50% of the hires were former employees. Throughout the turmoil, Amylin had continued to work quietly on Byetta, a second drug for diabetes. In 2002, Cook helped engineer a collaboration in 2002 with Lilly covering the development and commercialization of Byetta. In 2005, both drugs were approved by the Food and Drug Administration and are currently on the market.

“I’m amazed at the progress that has been made,” Cook said. “We went from a nadir of 37 employees to our current level of 1,200; we have two products on the market that are truly helping people with diabetes live better lives; and in February of this year, we held a ribbon-cutting for Amylin’s first biotechnology manufacturing operation, a $150 million facility located near Cincinnati. It’s a rare but very satisfying turnaround.”

Cook left the CEO post of Amylin in 2003 and continues to serve Amylin as the Chairman of the Board of Directors. “I ‘retired’ again,” he joked—and joined his son and son-in-law to form Mountain Group Capital, a company that focuses on acquiring controlling interests in manufacturing and value added distribution companies primarily located in the southeast.

Cook and his wife have settled in Nashville and they divide their time between the state capitol and their home in North Carolina. They have two grown children and five grandchildren, all of whom live nearby.

“It is a blessing to be able to return to your home state, work with your family and be close to your grandchildren” Cook added.

In addition to his professional activities, Cook has also served in significant roles with several nonprofit organizations.

Cook received the COE’s prestigious Nathan W. Dougherty Award in 1999, and he has been a member of the college’s Board of Advisors since 1987, assuming the role of chair in 2005.

“The most dramatic transformation that I’ve seen in the college is in changing from a department focus to an integrated curriculum,” Cook commented. “The engineering college has responded well to changes in the cultural and business environment.”

Cook is very enthusiastic about the Tennessee HOPE Scholarship, implemented in 2002.

“We should all commit to making the University of Tennessee a key component of the fabric that supports the economic growth of Tennessee. By developing an outstanding educational institution at UT-Knoxville, we contribute to providing future working professionals and entrepreneurs, and we are creating a win-win situation,” Cook stated.

In 1997, the Cooks established the Judith E. and Joseph C. Cook Jr. Engineering Scholarship Endowment at the UT College of Engineering to help deserving students.

“We can no longer assume that the government taxing agencies will pick up the full burden of operating our institutions of higher learning,” Cook stressed. “I believe that we must be good stewards of our resources, and higher education is one important area where we must ‘re-invest’ these resources. Those of us who are in a position to support education must remember that we have a responsibility to make sure that the generations that follow us have the same opportunities that we enjoyed. The scholarship is my way to provide for others, just as someone did for me over 40 years ago.”
The 2004-2005 fiscal year presented the UT College of Engineering Development Office with unprecedented opportunities and exciting new challenges.

**The Min H. Kao Initiatives**

In January 2004, a retired Department of Electrical and Computer Engineering (ECE) faculty member, Dr. James Hung, approached the college regarding an anonymous donor interested in making a multi-million dollar gift for a new building.

Between February and June, the COE submitted proposals to the donor, Dr. Min H. Kao, a UT alumnus and the CEO of Garmin Ltd. Dr. Kao; his wife, Fan; and son, Ken, visited the UT campus in May, 2004 to tour potential building sites and discuss finalizing the gift.

A memorandum of understanding was signed in August 2004, confirming Dr. Kao’s intention to pledge $12.5 million for the ECE department and $5 million for an ECE endowment, to be conferred once the college raised a matching $5 million.

This transformational gift, the largest in UT-Knoxville history, set the stage for a unique public-private partnership with the State of Tennessee when Governor Phil Bredesen and the Tennessee State Legislature approved an additional $25 million in matching funds.

The new building will be named the Min H. Kao Electrical and Computer Engineering Building, and the department will also be re-named the Min H. Kao Department of Electrical and Computer Engineering. Groundbreaking on the facility is expected to take place within the next two years.

**The ECE Challenge Campaign**

As part of the Min Kao agreement, the COE has been tasked to raise the matching $5 million in private funds from individuals, corporations and foundations.

The fund-raising campaign was initiated in 2004. The ECE campaign includes the following gift criteria:

- Gifts and pledges must benefit the ECE department and be used to establish new endowed accounts for student or faculty support, programmatic support or departmental operational support.

- Gifts may be used to contribute toward the new ECE endowment, the ECE Fund for Excellence, or existing endowments named in honor of ECE faculty (minimum $1,000), including:

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<tr>
<th>1826</th>
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The UT Board of Trustees purchases “The Hill”

Estabrook Hall is constructed. The facility initially housed the Department of Mechanical, Engineering and Mechanic Arts. It is currently home to the Engage Freshman Engineering Fundamentals Program and the Office of Engineering Diversity Programs.

Pasqua Hall is constructed to function as the university’s power plant. It was renovated in 1973 to house the Department of Nuclear Engineering. In 1988, the building was named in honor of Dr. Pietro F. Pasqua, the first head of the Department of Nuclear Engineering.

Ferris Hall is built, named after Dr. Charles E. Ferris, the first dean of the College of Engineering and the founder of the COE’s cooperative engineering education program. The building currently houses the Department of Electrical and Computer Engineering.
— Robert Bodenheimer Fellowship
— Frank and Joan Uhl Pierce Engineering Endowment
— Vaughn Blalock Graduate Award
— W.O. Leffell Scholarship

• Gifts may be designated to “name” particular areas of the new ECE building.

Donations may be made in the forms of cash, securities, planned gifts of bequests. In-kind gifts do not count, and pledges must be documented in writing.

As of June 30, 2005, the campaign has raised over $960,000.

The Estabrook Hall Reconstruction Campaign

Originally completed in 1898, Estabrook Hall has been on the university’s list of renovation projects for several years. The building was named for Joseph Estabrook, the fifth president of UT, who served from 1834 until 1850.

In June 2005, the Tennessee State Legislature approved $16.6 million for renovation of Estabrook Hall.

Although the state has provided significant funding to renovate the facility, recent natural disasters such as Hurricanes Katrina and Rita have created an unprecedented demand for building materials, and significant private funds must be raised to assist with the completion of the construction and the furnishing of classrooms, laboratories and offices.

Noteworthy funding and naming opportunities are currently available for the building, which is projected for completion in 2009.

The University of Tennessee Capital Campaign

The university is preparing for a system-wide capital campaign to focus on raising funds for student aid, buildings and renovations, programs and research.

The College of Engineering campaign priorities include named chairs and professorships; faculty research and teaching fellowships; student support, including scholarships and fellowships; program support for cooperative education and diversity initiatives; and building construction and improvements, including the Min H. Kao ECE Building and Estabrook Hall. The ECE Challenge Campaign is also included in the UT capital campaign fund-raising effort.

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1949
Perkins Hall is constructed, named after Dr. Charles A. Perkins, chair of the engineering department before it was established as a separate college. Administrative offices and the Department of Civil and Environmental Engineering are located in this building.

1963
The Dougherty Engineering Building is constructed, named for Dr. Nathan Dougherty, former dean of the COE. The facility is currently home to Chemical Engineering; Materials Science and Engineering; and Mechanical, Aerospace and Biomedical Engineering.

1997
The Science and Engineering Research Facility (SERF), a 230,000 facility dedicated to research laboratories utilized by both the College of Engineering and the College of Arts and Sciences, is constructed.

2005
The COE receives a $12.5 million transformational gift from Dr. Min Kao to construct a new ECE building. The Tennessee State Legislature provides $41.6 million in additional funding for the Kao building and reconstruction of Estabrook Hall.
The Challenges Ahead

Although the transformational gift from Dr. Kao and the funding from the state have significantly enhanced opportunities for improvement in many areas, the college still needs the support of alumni, corporations and friends to achieve the goal set by Dean Way Kuo: to become one of the top engineering colleges in the U.S.

As a state-assisted (not state-supported) institution, the University of Tennessee receives approximately 35% of its budget from state appropriations. In light of relatively flat funding from state sources, private support plays a vitally important role in maintaining and enhancing the strength of the university and the College of Engineering.

Donors who support programs of personal interest earmark approximately 90% of the gifts received each year. No administrative costs are taken from these gifts, meaning that 100% of every dollar contributed supports the designated program.

The university is certified as a qualified charitable organization and meets the requirements of the Internal Revenue Service within the code sections 501(c)(3).

If you are interested in any of the above initiatives, please contact:

Engineering Development Office
Patricia Shea, Director
College of Engineering
The University of Tennessee
120 Perkins Hall
Knoxville, TN 37996-2012
(865) 974-2779
(865) 974-2015 FAX
E-mail: engrdev@utk.edu
Web: http://www.engr.utk.edu/coe/new_devwel.htm

Categories of Giving

Donor Clubs
• The President’s Club—Recognized annual gifts of $1,000 (individuals only)
• The Tennessee Society—Recognizes those who give or pledge as much as $25,000 to UT. The sum may be made as a single gift or pledged to be paid at the rate of $2,500 per year for 10 years.

Additional Methods of Giving
• Employer Matched Contributions—a program where employee gifts to The University of Tennessee are “matched” by the employer
• Planned gifts—Provide an individual with the opportunity to combine his or her personal charitable interests with long-range financial and estate planning utilizing options including real estate, stocks, trusts and bequests.
• Special Campaigns—the university is currently working on a strategic capital campaign
• Online donations—visit https://ecommerce.cas.utk.edu/alumni/ to donate online
Listed on the following pages are those individuals, organizations, corporations and foundations whose gifts were received by the College of Engineering in fiscal year 2005 (July 1, 2004 through June 30, 2005). Please be assured that each gift, regardless of amount, is sincerely appreciated. The generosity of our alumni and friends allows the college to provide the best possible educational experience for our students.

Every effort has been made to ensure the accuracy and completeness of our list of contributors. If you have updates or comments in regard to this list, please contact the Office of Engineering Development at engrdev@utk.edu.

### Alumni Donors

<table>
<thead>
<tr>
<th>1931</th>
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<tbody>
<tr>
<td>Mr. Jennings A. Jones (BS, EE, '31) and Mrs. Rebecca R. Jones</td>
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<tr>
<td>Mr. William Bennett Bunn, P.E. (BS, ChE, '32)</td>
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<tr>
<td>Mr. Leonard G. Penland (BS, ME, '32)</td>
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<tr>
<td>Mr. J. Wiley Finney Jr. (BS, EE, '33)</td>
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<tr>
<td>Mr. Wesley E. Patton Jr. (BS, CE, '33)</td>
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<tr>
<td>Mr. Robert L. Henry Jr. (BS, EE, '35)</td>
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<td>Mr. Roy B. Martin (BS, ME, '35)</td>
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<tr>
<td>Col. Barnett J. Sledge (BS, ME, '36) and Mrs. R. Pauline Sledge</td>
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<tr>
<td>Mr. James B. Clark (BS, CE, '37) and Mrs. Maxine B. Clark</td>
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<tr>
<td>Mr. Richard A. Sutherland (BS, ChE, '38; MS, ChE, '40)</td>
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<tr>
<td>Mr. William E. Halley (BS, EE, '39)</td>
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<tr>
<td>Mr. Sam L. Sullins Jr. (BS, ME, '39) and Mrs. Gladys E. Sullins</td>
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<tr>
<td>Mr. Oscar M. Brumfiel (BS, ME, '40) and Mrs. Julia A. Brumfiel</td>
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<tr>
<td>Mr. S. T. Harris (BS, EE, '40)</td>
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<tr>
<td>Mr. Alexander Stevenson (BS, CE, '40) and Mrs. Margaret J. Stevenson</td>
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<tr>
<td>Mr. James C. Wilson (BS, ME, '40) and Mrs. Ann S. Wilson</td>
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<tr>
<td>Mr. Jilson H. Fielden (Engr., '41)</td>
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<tr>
<td>Mr. Embree M. Kennedy (BS, ME, '41)</td>
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<tr>
<td>Mr. Jack B. Stewart (BS, EE, '41) and Mrs. Kathleen B. Stewart</td>
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<tr>
<td>Mr. Kenneth M. Elliott (BS, ChE, '42) and Mrs. Virginia Elliott</td>
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<tr>
<td>Mr. Arthur L. Garrett Jr. (BS, EE, '42) and Mrs. Sarah W. Garrett</td>
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<tr>
<td>Mr. George A. Holt (BS, EE, '42)</td>
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<tr>
<td>Mr. James D. Lawhon (BS, EE, '42)</td>
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<tr>
<td>Mr. George H. Meara (BS, ChE, '42)</td>
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<tr>
<td>Mr. Joseph A. Moriarty (BS, ChE, '42; MS, ChE, '47)</td>
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<td>Mr. W. Lewis Arthur (BS, ME, '43) and Mrs. Janet C. Arthur</td>
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<tr>
<td>Mr. Even T. Collinsworth Jr. (BS, ChE, '43)</td>
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<tr>
<td>Mr. Grady B. Fox Jr. (BS, EE, '43) and Mrs. Irene D. Fox</td>
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<tr>
<td>Mr. Floyd I. Hill (BS, ME, '43)</td>
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<tr>
<td>Mr. Erby Roy Nankivel Jr. (BS, EE, '43) and Mrs. M. Jean Nankivel</td>
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<tr>
<td>Dr. John F. Pierce (BS, EE, '43) and Dr. Joan Uhl Pierce</td>
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<tr>
<td>Mr. B. Otto Wheeleey (BS, ChE, '43) and Mrs. Kathleen W. Wheeleey</td>
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<tr>
<td>Mr. Hubert N. Wilson (BS, ME, '43; BS, EE, '48)</td>
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<tr>
<td>Mr. Roy B. Bates Jr. (Engr., '44)</td>
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<tr>
<td>Dr. William B. Harrison III (BS, ChE, '44; MS, ChE, '49; PhD, ChE, '52) and Mrs. Josephine M. Harrison</td>
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<tr>
<td>Mr. R. Harold Jenkins (BS, ChE, '44)</td>
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<tr>
<td>Mr. John M. Kerr (BS, ME, '44) and Mrs. Oma S. Kerr</td>
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<tr>
<td>Mr. Robert M. Powell (BS, EE, '44) and Mrs. Margaret F. Powell</td>
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<td>Mr. John R. Ralph (BS, ME, '44; MS, ME, '51)</td>
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<tr>
<td>Mr. Thomas W. Richardson (ME, '44)</td>
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<td>Mr. James Tombras (BS, EE, '44)</td>
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<td>Mr. Charles Ellis Williams Jr. (BS, EE, '44)</td>
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<tr>
<td>Mr. Hugh M. Gleason (Engr., '45)</td>
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<tr>
<td>Mr. Kenneth Markwell Jr. (BS, CE, '45) and Mrs. Helen M. Markwell</td>
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<tr>
<td>Mr. E. Prentys Word Jr. (Engr., '45) and Mrs. Thelma G. Word</td>
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<tr>
<td>Mr. Harold D. Tipton (BS, IE, '46)</td>
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<tr>
<td>Mr. Philip W. Barnhart (BS, EE, '48) and Mrs. Ellen B. Barnhart</td>
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<td>Mr. Willard W. Bedwell Jr. (BS, EE, '48) and Mrs. Dorothy Bedwell</td>
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<tr>
<td>Mr. Key R. Caldwell (BS, ChE, '48) and Mrs. Caryl A. Caldwell</td>
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<td>Mr. James E. Clark (BS, EE, '48)</td>
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<tr>
<td>Mr. Howard B. Cockrum (BS, EE, '48)</td>
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<td>Mr. Harley E. Erb III (BS, ME, '48) and Mrs. Bettye Erb</td>
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<tr>
<td>Mr. William M. Forbis Jr. (BS, CE, '48)</td>
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<td>Mr. N. B. Johnson Jr. (BS, CE, '48)</td>
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<td>Mr. Eugene Everett Magette (BS, ME, '48) and Mrs. Anna Laura Magette</td>
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<td>Mr. John L. Parris (BS, ME, '48)</td>
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<tr>
<td>Mr. Dwight R. Patterson (BS, ME, '48) and Mrs. Reva D. Patterson</td>
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<td>Mr. Grady W. Renfro (BS, ME, '48) and Mrs. Emmalee W. Renfro</td>
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<td>Mr. Elva Richardson (Engr., '48) and Mrs. Marie Smith Richardson</td>
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<td>Mr. William H. Alton (BS, EE, '49) and Mrs. Jane Alton</td>
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<td>Mr. Herschel Bryant (BS, CE, '49)</td>
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<tr>
<td>Mr. Kenneth D. Caughron (BS, ME, '49) and Mrs. Alice M. Caughron</td>
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<tr>
<td>Mr. Walter A. Elmore (BS, EE, '49) and Mrs. Jane H. Elmore</td>
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<td>Mr. Virgil W. Farmer (BS, CE, '49)</td>
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<td>Mr. William A. Fortune (BS, CE, '49) and Mrs. Martha S. Fortune</td>
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<td>Mr. James W. Hager (BS, EE, '49) and Mrs. Florine J. Hager</td>
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<td>Mr. Thomas M. Hastings (BS, CE, '49)</td>
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<td>Mr. Evan S. Hendricks (BS, ME, '49)</td>
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<td>Mr. Joel B. Horton (BS, ME, '49) and Mrs. Mary K. Horton</td>
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<td>Mr. William V. Johnston (BS, CE, '49)</td>
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<tr>
<td>Mr. Max E. Mabry (BS, EE, '49) and Mrs. Lois G. Mabry</td>
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<td>Mr. Donald H. MacLeod (BS, CE, '49)</td>
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<td>Mr. Walker E. Meacham (BS, ME, '49) and Mrs. Shirley S. Meacham</td>
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<td>Mr. Louis M. Newton (BS, ME, '49)</td>
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<td>Mr. Barry Sheffield (BS, EE, '49)</td>
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<td>Mr. Ralph V. Smathers (BS, ChE, '49)</td>
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<tr>
<td>Mr. Roy C. Wehman (BS, EE, '49) and Mrs. Vera H. Wehman</td>
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<tr>
<td>Mr. Robert S. White (BS, ChE, '49) and Mrs. Ruth T. White</td>
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<tr>
<td>Mr. N. Lewis Wood Jr. (BS, EE, '49)</td>
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<tr>
<td>Mr. George Wade Bates (BS, EE, '50)</td>
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<tr>
<td>Dr. Suha A. Beller, M.D. (BS, ChE, '50) and Mrs. Edel Beller</td>
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<tr>
<td>Mr. Warner B. Blalock, P.E. (BS, CE, '50)</td>
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<tr>
<td>Mr. James B. Carson III (BS, EE, '50)</td>
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<td>Mr. Bruce A. Chamberlin (BS, EE, '50)</td>
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DONOR LIST

Mr. Raymond K. Doty (BS, ME, ’50) and Mrs. Betty W. Doty
Mr. Carl Bible Harmon (BS, CE, ’50)
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Mr. Chester Z. Kwast (BS, IE, ’52)
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Mr. Joseph P. Rynd Jr. (BS, ME, ’52)
Dr. James L. Scott (BS, ChE, ’52; MS, MetE, ’54; PhD, MetE, ’57) and Mrs. Jane Scott
Mr. Ernest F. Seagle (BS, EE, ’52)
Mr. Gene P. Stickley (BS, ChE, ’52; MS, ChE, ’53) and Mrs. Ceci P. Stickley

1953
Mr. Fred R. Cooper (BS, EE, ’53)
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Mr. L. Clay Thomas (BS, ME, ’53) and Mrs. Mary Ellen Thomas
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1954
Mr. James L. Ayers Jr. (BS, ME, ’54)
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Dr. William T. Snyder (BS, ME, ’54) and Mrs. Margaret A. Snyder

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Mr. R. Neil O’Brien (BS, CE, ’55; MS, CE, ’59) and Mrs. Virginia M. O’Brien
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Mr. Paul R. Rudder (BS, CE, ’55) and Mrs. Sue Rudder
Mr. Wayne Jarvis Stephens (BS, ME, ’55) and Mrs. Nira G. Stephens
Mr. Jack E. Thompson (BS, IE, ’55)
Mr. Fred D. Van Aken (BS, EE, ’55) and Mrs. Fred D. Van Aken
Mr. James P. Vineyard Sr. (BS, CE, ’55)

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Mr. Arthur M. Begley Jr. (BS, ChE, ’56)
Mr. Charles L. Begley (BS, IE, ’56)
Mr. Jerry W. Binkley, P.E. (BS, CE, ’56)
Mr. Robert E. Bodenheimer Sr. (BS, EE, ’56; MS, EE, ’58) and Mrs. Sally N. Bodenheimer
Mr. Horace C. Burnette (BS, EE, ’56) and Mrs. Juanita A. Burnette
Mr. Bill A. Cabbage (BS, ChE, ’56) and Mrs. Judy K. Cabbage
Mr. Floyd H. Chunn Jr. (BS, CE, ’56) and Mrs. Gloria P. Chunn
Mr. John McCall Dickerson (BS, EE, ’56)
Mr. A. Phil Farrow Jr. (BS, ChE, ’56) and Mrs. Sandra Farrow
Mr. Hubert R. Gangl Jr. (BS, ME, ’56)
Mr. James A. Johnson (BS, ME, ’56) and Mrs. Eleanor S. Johnson
Mr. Charles N. McClanahan (BS, CE, ’56) and Mrs. Barbara A. McClanahan
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Mr. Leonard B. Murray Jr. (BS, EE, ’56) and Mrs. Joan Reagin McNeill Murray
Mr. Russell D. Myers (BS, ChE, ’56; BS, CE, ’60; MS, CE, ’69) and Mrs. Mildred B. Myers
Mr. Fred L. Nunnery (BS, ME, ’56) and Mrs. Mary Rolling Nunnery
Mr. George Cheatham Trail Jr. (BS, EE, ’56) and Mrs. Joyce Hannah Trail
Mr. James H. Valentine (BS, ME, ’56) and Mrs. Edith F. Valentine

1957
Mr. Joe W. Anderson (BS, ME, ’57; MS, ME, ’67) and Mrs. Melba Lamplsey Anderson
Mr. Edward C. Archer (BS, CE, ’57)
Mr. Howard Arnold Burrus (BS, EE, ’57) and Mrs. Mary J. Burris
Mr. William S. Davidson (BS, ME, ’57)
Mrs. Margaret S. Drake (BS, ME, ’57; MS, ME, ’59)
Mr. William D. Elmore (BS, IE, ’57) and Mrs. Dolly G. Elmore
Mr. Donald E. Frazier (BS, CE, ’57; MS, IE, ’66)
Mr. Zellie G. Earnest (BS, IE, ’58) and Mrs. Virginia Earnest
Mr. Max D. Conner (BS, ChE, ’58)
Mr. William L. Hollinshead, P.E. (BS, IE, ’58)
Mr. Bobby D. Harber (BS, IE, ’57) and Mrs. Virginia L. Harber
Mr. Fred L. Nunnery (BS, EE, ’57; MS, EE, ’60)
Mr. Donald E. Frazier (BS, CE, ’57)
Mr. James L. Day (BS, ME, ’58) and Mrs. Mary B. Day
Mr. Zellie G. Earnest (BS, IE, ’58; MS, IE, ’66)
Dr. Richard E. Fuchs (BS, ChE, ’58)

1958
Mr. Paul T. Artis (BS, EE, ’58) and Mrs. Virginia Louise Artis
Mr. Kenneth S. Baxter (BS, EE, ’58)
Mr. Edward Arthur Bird Jr. (Engr., ’58)
Mr. Carl D. Butts (BS, IE, ’58)
Mr. George P. Chambers (BS, EE, ’58) and Mrs. Joanne Chambers
Mr. Max D. Conner (BS, ChE, ’58)
Mr. James L. Day (BS, ME, ’58) and Mrs. Mary B. Day
Mr. Zellie G. Earnest (BS, IE, ’58; MS, IE, ’66)
Dr. Richard E. Fuchs (BS, ChE, ’58)
Dr. Gil Gilliland (BS, ChE, ’58; MS, MetE, ’63) and Mrs. Gail P. Gilliland
Mr. Lowell B. Hawkins (BS, CE, ’58) and Mrs. Ruth B. Hawkins
Mr. Kenneth N. Hays (BS, CE, ’58)
Mr. Robert L. Hensley (BS, IE, ’58)
Mr. Joe M. Henson (BS, ME, ’58) and Mrs. Ernestine P. Henson
Col. Robert E. Hite Jr. (BS, IE, ’58)
Mr. Jerry A. Hunt (BS, EE, ’58)
Dr. George W. Johnson (BS, EE, ’58)
Mr. Oliver B. Lee Jr. (BS, EE, ’58; MS, EE, ’65) and Mrs. Virginia L. Lee
Mr. Mark L. McAllister (BS, ME, ’58)
Mr. George R. McNutt Jr. (BS, ME, ’58) and Mrs. Lou Kinser McNutt
Mr. Roy Leon Myatt Jr. (BS, EE, ’58)
Mr. Charles N. Nunley (BS, ME, ’58) and Mrs. Patricia N. Nunley
Mr. Jerry A. Peoples (BS, ME, ’58) and Mrs. Patsy L. Peoples
Mr. Edwin Adgate Reed Jr. (BS, EE, ’58)
Mr. Vernon E. Rochat (BS, EE, ’58) and Mrs. Marjorie B. Rochat
Mr. Charles Hadson Salstrand (BS, IE, ’58) and Mrs. Nancy Diane Salstrand
Mr. Eugene J. Sanders (BS, ME, ’58; MS, ME, ’77) and Mrs. Anna J. Sanders
Mr. Thomas I. Shelton (BS, ChE, ’58)
Dr. William Clarence Stone (BS, ME, ’58) and Mrs. Anne G. Stone
Dr. Jack S. Watson (BS, ChE, ’58; MS, ChE, ’62; PhD, ChE, ’67) and Mrs. Patricia Watson
Mr. J. Roy Weathersby (BS, CE, ’58) and Mrs. Lydia H. Weathersby
Mr. L. Elwood West (BS, EE, ’58; MS, EE, ’59)
Mr. Thomas R. Wilkie Jr. (BS, IE, ’58)
Mr. Rodney D. Wood (BS, ME, ’58)

1959
Mr. Clyde Hermon Bell (BS, ChE, ’59)
Mr. Samuel E. Bettis (BS, ME, ’59) and Mrs. Patsy L. Bettis
Mr. James G. Cavalaris (BS, IE, ’59)
Mr. Thomas H. Clark (BS, ChE, ’59) and Mrs. Ruth Clark
Mr. James M. Corum (BS, ME, ’59; MS, ME, ’62)
Dr. Ronald G. Domer (BS, ME, ’59; MS, ESM, ’65; PhD, ESM, ’73)
Mr. Richard N. Layman (BS, ChE, ’59)
Mr. W. Lester Ledford (BS, EE, ’59) and Mrs. Sue Ledford
Mr. Roger N. McBryar (BS, IE, ’59; MS, IE, ’60) and Mrs. Sue B. McBryar
Mr. William M. McSpadden Jr. (BS, ChE, ’59; MS, ChE, ’67)
Mr. Oscar Moser Jr. (BS, ChE, ’59)
Mr. Robert G. Pistole (Engr., ’59)
Mr. Felix C. Rees (BS, ME, ’59) and Mrs. Billie B. Rees
Mr. Donald E. Richardson (BS, ME, ’59) and Mrs. Marseelia T. Richardson
Mr. F. Donald Rohrbaugh (BS, CE, ’59; MS, EE, ’60) and Mrs. Betty H. Rohrbaugh
Mr. Harold B. Runyan (BS, EE, ’59)
Mr. Elbert E. Sanders Jr. (BS, ME, ’59)
Mr. William P. Seneker Jr. (BS, EE, ’59) and Mrs. Peggy Seneker
Mr. Robert W. Smartt Jr. (BS, CE, ’59) and Mrs. Joan D. Smartt
Mr. John W. Stevenson (BS, EE, ’59; MS, EE, ’60)
Dr. Edward Von Halle (PhD, ChE, ’59)
Mr. James R. Whitten (BS, EE, ’59) and Mrs. Virginia F. Whitten
Mr. Charles Frederick Wyatt (BS, CE, ’59) and Mrs. Rosalyn H. Wyatt
Dr. Lynn A. York (BS, ME, ’59)

1960
Mr. Raleigh K. Beckham (BS, CE, ’60) and Mrs. Mary K. Beckham
Mr. Herman E. Best (BS, CE, ’60) and Mrs. Betty B. Best
Mr. Gerald G. Bishop (BS, EE, ’60)
Mr. James R. Bishop (BS, IE, ’60) and Mrs. Peggy S. Bishop
Dr. Louis P. Bosanquet (MS, ChE, ’60; PhD, ChE, ’63) and Mrs. Janine Bosanquet
Dr. Ralph McFarland Burns (BS, EE, ’60)
Mr. Stephen D. Coleman (BS, EE, ’60)
Mr. J. Byron Glass Sr. (BS, ME, ’60)
Dr. David W. Goodpasture (BS, CE, ’60) and Mrs. Marion W. Goodpasture
Mr. William J. Haggerty Jr. (BS, ME, ’60) and Mrs. Elizabeth M. Haggerty
Mr. Sidney Neil Hays (BS, ChE, ’60)
Mr. Norris C. Hendrix Jr. (BS, ME, ’60) and Mrs. Margaret A. Hendrix
Mr. James W. Hutson (BS, IE, ’60; MS, IE, ’65) and Mrs. Anna S. Hutson
Mr. Bobby Dean Jobe (BS, CE, ’60)
Dr. H. Leslie Lanier III (BS, ChE, ’60; MS, ChE, ’63; PhD, ChE, ’66)

Mr. Donald E. Richardson (BS, ME, ’59) and Mrs. Marseelia T. Richardson
Mr. F. Donald Rohrbaugh (BS, CE, ’59; MS, EE, ’60) and Mrs. Betty H. Rohrbaugh
Mr. Harold B. Runyan (BS, EE, ’59)
Mr. Elbert E. Sanders Jr. (BS, ME, ’59)
Mr. William P. Seneker Jr. (BS, EE, ’59) and Mrs. Peggy Seneker
Mr. Robert W. Smartt Jr. (BS, CE, ’59) and Mrs. Joan D. Smartt
Mr. John W. Stevenson (BS, EE, ’59; MS, EE, ’60)
Dr. Edward Von Halle (PhD, ChE, ’59)
Mr. James R. Whitten (BS, EE, ’59) and Mrs. Virginia F. Whitten
Mr. Charles Frederick Wyatt (BS, CE, ’59) and Mrs. Rosalyn H. Wyatt
Dr. Lynn A. York (BS, ME, ’59)

1961
Mr. Bryan Blalock (BS, CE, ’61)
Mr. James A. Brown (BS, CE, ’61) and Mrs. Sue Brown
Dr. Edwin G. Burdette (MS, CE, ’61) and Mrs. Patsy Hill Burdette
Mr. Giles S. Dye (BS, EE, ’61) and Mrs. Wynona Dupree Dye
Mr. Charles W. Gray (BS, ME, ’61)
Mr. Jimmy Hix (BS, ME, ’61)
Mr. Robert B. Holt (BS, CE, ’61) and Mrs. Patricia Ann Holt
Mr. William H. Hooper (BS, EE, ’61)
Dr. William S. Johnson (BS, ME, ’61; PhD, ESM, ’61) and Mrs. Jacquelyn S. Johnson
Mr. David Lawrence Kuhiman (BS, CE, ’61)
Dr. O. Raymond Lowry III (BS, NE, ’61)
Mr. John M. Neill (BS, CE, ’61)
Mr. Laureen Burdette Nelson (BS, EE, ’61)
Dr. Ronald Nutt (BS, EE, ’61; MS, EE, ’62; PhD, EE, ’70) and Mrs. Robbie Nutt
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Mr. Henry L. Reeves Jr. (BS, EE, '61)
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Mr. Brantley P. Smith Jr. (BS, EE, '61)
Mr. Granvel W. Underwood Sr. (BS, EE, '61) and Mrs. Elsie G. Underwood
Mr. James Franklin Wagner (BS, EE, '61)
Mr. William E. Wiren Jr. (BS, EE, '61) and Mrs. Irene M. Wiren

1962
Mr. Clifford Lafayette Ackerson (BS, CE, '62) and Mrs. Carol Cameron Ackerson
Mr. David W. Anderton (BS, EE, '62) and Mrs. Davena A. Anderton
Mr. Donaldson K. Barton (BS, CE, '62)
Mr. Thomas H. Barton (BS, EE, '62) and Mrs. Marceline E. Barton
Dr. Donald B. Bivens (BS, ChE, '62)
Dr. Raymond Leslie Boles Jr. (BS, ChE, '62; MS, ChE, '62; PhD, ChE, '67)
Mr. William M. Bivens (BS, ME, '62) and Mrs. Zora E. Bivens
Mr. Alan Fugate Broadwater (BS, IE, '62) and Mrs. Wanda Wanchun Chen
Mr. James M. Cogdill (BS, IE, '62)
Mr. Howard G. Harris (Engr., '62)
Mr. Gary Norman Hensley (BS, EE, '62) and Mrs. Betty B. Hensley
Mr. James W. Hooker (BS, EE, '62) and Mrs. Joanne D. Hooker
Mr. Charles V. Lawson (BS, EE, '62) and Mrs. Geraldine S. Lawson
Mr. James F. Marlow (BS, ChE, '62)

1963
Dr. Russell E. Aven (PhD, ChE, '63)
Mrs. Paula R. Ball (BS, CE, '63)
Mr. Edward Lee Beeler (BS, ChE, '63) and Mrs. Anne O. Beeler
Mr. William B. Blackmon Jr., P.E. (BS, CE, '63; MS, CE, '66) and Mrs. Mary E. Blackmon
Mr. Byron Bledsoe (BS, EE, '63)
Mr. Joseph A. Cofer Jr. (BS, ME, '63; MS, ME, '65) and Mrs. Patricia D. Cofer
Mrs. Nancy A. Cole (BS, MetE, '63) and Mr. Leon R. Cole
Mr. George G. Conner Jr. (BS, CE, '63)
Dr. Richard L. Cox (BS, ChE, '63; MS, ChE, '65; PhD, ChE, '76) and Mrs. Kathleen J. Cox
Mr. Gregory R. Davis (BS, MetE, '63)
Mr. James R. Distefano (BS, MetE, '63)
Mr. William M. Eustace, Esq. (BS, ME, '63)
Mr. James E. McBride (BS, EE, '62)
Mr. Bobby J. Mills (BS, EE, '62) and Mrs. Lois F. Mills
Dr. Edgar L. Mohundro (BS, ChE, '62; PhD, ChE, '70) and Mrs. Carolyn J. Mohundro
Mr. Jerry C. Parkins (BS, CE, '62) and Mrs. Johanna C. Parkins
Dr. Bobby M. Phillips (BS, ChE, '62; MS, ChE, '63; PhD, ChE, '68)
Mr. Ralph E. Rieben (BS, ME, '62)
Dr. Charles D. Scott (MS, ChE, '62; PhD, ChE, '66) and Mrs. Alice B. Scott
Mr. Herbert M. Scull Jr. (BS, ChE, '62) and Mrs. Roberta L. Scull
Mr. Gray L. Settle (BS, EE, '62)
Mr. Dempsey W. White (BS, ME, '62) and Mrs. Katherine White
Mr. H. H. Williams Jr. (BS, ME, '62; MS, ME, '78)

1964
Mr. Charles E. Bost (BS, ChE, '64; MS, ChE, '68)
Mr. William W. Boyd (BS, EE, '64) and Mrs. Mary Boyd
Mr. Theo Clair Caldwell III (BS, CE, '64) and Mrs. Martha A. Caldwell
Mr. R. Jack Campbell (BS, Engr., '64)
Mr. Howard E. Chambers (BS, ME, '64) and Mrs. Debra L. Chambers
Mr. William K. Crowley (MS, Engrs., '64) and Mrs. Jane Hembree Crowley
Mr. Larry Dean Davis (BS, EPh, '64)
Mr. Michael W. Davis Sr. (BS, ME, '64) and Mrs. Margaret Sandra Davis
Mr. Harold L. Edwards (BS, ME, '64)
Mr. Ronald D. Guthrie (BS, CE, '64; MS, CE, '73)
Mr. Donald R. Hassall, P.E. (BS, CE, '64) and Mrs. Patricia W. Hassall
Mr. George A. Hinsley (BS, ME, '64)
Mr. Richard D. Hodge (BS, ME, '64)
Mr. Harold Dale Hudson (BS, ChE, '64; MS, ChE, '66)
Mr. Sibley Ronald Irwin (BS, ME, '64; MS, ME, '69) and Mrs. Rosiland L. Irwin
Mr. Samuel Kirkman Johnson (BS, ME, '64)
Dr. Richard Augustus Evans (BS, CE, '63) and Mrs. Jan W. Evans
Dr. Gerald Epps Hagler (MS, ChE, '63; PhD, ChE, '72)
Mr. Lawrence B. Haskin (BS, '63)
Mr. James E. Hiegel (BS, ME, '63)
Mr. Glenn R. Humphrey (BS, CE, '63)
Mr. Larry A. Lacey (BS, ME, '63)
Mr. Ransom H. Martin Jr. (BS, ChE, '63) and Mrs. Sue Martin
Mr. Connor Leroy Matthews (BS, MetE, '63) and Mrs. Marjorie L. Matthews
Mr. Joseph P. McCormick Jr. (BS, CE, '63)
Mr. Joe A. McInturf (BS, EE, '63)
Mr. John Jacob Murphy Jr. (BS, ME, '63) and Mrs. Betty Buchanan Murphy
Mr. Sam M. Murphy Jr. (BS, ME, '63) and Mrs. Peggy S. Murphy
Dr. C. Leon Partain (BS, NE, '63) and Mrs. Judith Partain
Mr. Robert Wesley Phillips (BS, IE, '63) and Mrs. Margie G. Phillips
Mr. H. Edwin Pierce Jr. (BS, EE, '63)
Dr. Danny L. Reed (BS, CE, '63; MS, Es, '65; PhD, Es, '67)
Mr. James L. Smithey (BS, CE, '63) and Mrs. Margaret W. Smithey
Mr. David Turner Taylor (BS, EE, '63) and Mrs. Lois Ann Taylor
Dr. Jerry D. Westbrook (MS, IE, '63) and Mrs. Nancy Westbrook
Dr. Harvey J. Wilkerson (MS, ME, '63; PhD, AE, '70)

1965
Mr. Thomas L. Adkisson (BS, IE, '65) and Mrs. Marilyn S. Adkisson
Mr. Paul N. Akin (BS, CE, '65) and Mrs. Dorothy A. Akin
Mr. Donald J. Ammons (BS, IE, '65; MS, IE, '66)
Dr. Daryl R. Armentrout (BS, CE, '65; PhD, CE, '68) and Mrs. Mary Rose Armentrout
Mr. Douglas Oren Bagwell (MS, ME, '65)
Mr. H. Dennis Bradford (BS, CE, '65)
Mr. Larry D. Brasher (BS, ChE, '65) and Mrs. Gail L. Brasher
Mr. Fred L. Collier Jr. (BS, ChE, '65)
Dr. J. Alvin Connelly (BS, EE, '65; MS, EE, '65; PhD, EE, '68) and Mrs. Mary N. Connelly
Mr. William R. Cory (BS, IE, '65) and Mrs. Barbara Cory
Mr. Chester H. Crider Jr. (BS, EE, '65; MS, EE, '66) and Mrs. Katherine T. Crider
Mr. Harry G. Daves (BS, ME, '65) and Mrs. Paula Daves
Mr. Jack M. Glandon, Esq. (BS, EE, '65) and Mrs. Martha T. Glandon
Mr. Wilbur L. Goodwin (BS, NE, '65) and Mrs. Jane B. Goodwin
Mr. Billy C. Grimm (BS, EE, '65) and Mrs. Sandra Lee Grimm
Dr. Paul A. Haas (PhD, ChE, '65)
Mr. Hobart B. Hansard III (BS, ChE, '65) and Mrs. Audrey C. Hansard
Mr. Everett Kerby Harris Jr. (BS, ChE, '65)
Mr. David F. Howell (BS, EE, '65; MS, EE, '66) and Mrs. Barbara J. Howell
Mr. Jadavji V. Kenia (BS, IE, '65) and Mrs. Kusum J. Kenia
Mr. James S. Ketchum (BS, ChE, '65) and Mrs. Margaret A. Ketchum
Mr. Mark D. Lynn Jr. (BS, ME, '65)
DONOR LIST

1971
Mr. John M. Simpson (BS, CE, ’70)
Mr. Robert G. Stacy (BS, CHE, ’70; MS, CHE, ’74)
Mr. Armin K. Tilley (BS, ME, ’70)
Mr. Isaac W. Wright Jr. (BS, EE, ’70)

Mr. Robin P. Barksdale (BS, EE, ’71) and Mrs. Julia O. Barksdale
Ms. Linda R. Bell (BS, CHE, ’71; MS, CHE, ’72)
and Mr. T. Martin Warren
Mr. Michael T. Calfee (BS, CHE, ’71)
Mr. Donald W. Denton (BS, AE, ’71)
Mr. Charles W. Hammett (BS, ME, ’71; MS, Engr., ’79) and Mrs. Susan D. Hammett
Col. Henry W. Hartsfield Jr. (MS, ES, ’71)
Mr. Roy L. Heifner Jr. (MS, EE, ’71)
Dr. David J. Icove (BS, EE, ’71; MS, EE, ’74; PhD, ES ’79) and Mrs. Sharon A. Kelly
Mr. Robert E. Mashburn II (BS, EE, ’71) and Mrs. Jean C. Mashburn

Mr. Paul Allen Reynolds (BS, CE, ’71) and Mrs. Norma C. Reynolds
Mr. Joseph Frank Roman (BS, CHE, ’71; MS, CHE, ’74) and Mrs. Marie Roman
Mr. Ronald Wayne Rucker (BS, CE, ’71) and Mrs. Cheryl A. Rucker
Mr. Frederick L. Stiles (BS, EE, ’71) and Mrs. Susanne Schnied Stiles
Mr. Lee J. Pruitt (BS, ME, ’71)
Mr. Robert H. Tuck (BS, CE, ’71)
Mr. Marion G. Waters III (BS, CE, ’71)
Mr. Michael R. Young (BS, CE, ’71; MS, EnvE, ’72) and Mrs. Millicent B. Young

1972
Mr. Bernie Lemuel Arnold (BS, CHE, ’72; MS, EnvE, ’74)
Mr. David L. Beals (BS, ME, ’72)
Mr. Nicky Lane Blount (BS, EE, ’72) and Mrs. Dee A. Blount
Dr. Michael S. Bronstein, M.D. (BS, CHE, ’72) and Dr. Helen G. Morrow, M.D.
Mr. Michael R. Corn (BS, NE, ’72) and Mrs. Cynthia B. Corn
Mr. Dennis A. Denihan (BS, CHE, ’72) and Mrs. Constance S. Denihan
Mr. Thomas R. Edwards (BS, ME, ’72) and Mrs. Elaine S. Edwards
Mr. James S. Gillespie, P.E. (BS, EE, ’72) and Mrs. Beth L. Gillespie
Ms. Martha J. Gillespie (BS, EE, ’72)
Mr. Gary M. Given, P.E. (BS, CE, ’72; MS, CE, ’78)
Mr. William B. Hickam (BS, CHE, ’72; MS, EnvE, ’73) and Mrs. Christine Hickam
Mr. Michael L. Howard (BS, CE, ’72) and Mrs. Robin W. Howard
Mr. Kenneth R. King (BS, CE, ’72)
Mr. William A. Lloyd (BS, ME, ’72)
Mr. Henri S. Lorberbaum (BS, CE, ’72) and Mrs. Debra Denise Lorberbaum

Mr. Peter G. Markovich (BS, ES, ’72)
Mr. Andy H. Milligan (BS, CE, ’72; MS, CE, ’74) and Mrs. Paulette T. Milligan
Mr. Ernest H. Neubauer (BS, CE, ’72)
Mr. Mark Hastings Neville (BS, EE, ’72; MS, EE, ’78)
Mr. John G. O’Leary (BS, CE, ’72)
Mr. William F. Pate III (BS, CE, ’72) and Mrs. Jenny L. Pate
Dr. Jay Putnam Sellick (BS, IE, ’72)
Mr. Robert Daniel Smith (BS, ME, ’72; MS, ES, ’90)
Mr. Max Don Trundle (BS, EE, ’72) and Mrs. Kathy D. Trundle
Dr. William R. Truran, P.E. (BS, EE, ’72)
Mr. Donald E. Warren (BS, EE, ’72)
Mr. Joe N. Warren (BS, CE, ’72)
Mr. David W. Williams (MS, NE, ’72) and Mrs. Carroll C. Williams

1973
Mr. Alton W. Adams (BS, EE, ’73) and Mrs. Jane Adams
Mr. Robert H. Bryan Jr. (BS, ME, ’73) and Mrs. Mary L. Bryan
Mr. John G. Campbell (BS, CE, ’73) and Mrs. Gail C. Campbell
Mr. Paul C. Cate (BS, CE, ’73)
Mr. Jerry R. Clevenger (BS, CHE, ’73)
Dr. Robert M. Conwell (BS, CHE, ’73; MS, CHE, ’78; PhD, CHE, ’80) and Mrs. Sandra E. Conwell
Mr. Michael C. Crabtree (BS, EE, ’73; MS, EE, ’75) and Mrs. Jackie L. Crabtree
Mr. Rae Evans Conmiller (BS, IE, ’73)
Mr. Joseph M. Davenport III (BS, IE, ’73; MS, IE, ’91) and Mrs. Linda A. Davenport
Dr. Wayne T. Davis (MS, EnvE, ’73; PhD, CE, ’75) and Mrs. Sylvia G. Davis
Mr. Michael T. Doyle (MS, ME, ’73)
Mr. Robert E. Dunn (BS, CE, ’73) and Mrs. Judith A. Dunn
Mr. Allan S. Ellis (BS, CE, ’73) and Mrs. Deborah Holman Ellis
Dr. William L. Eversole (BS, EE, ’73) and Mrs. Jenny L. Eversole
Mr. James B. Fairris (BS, EE, ’73)
Mr. George W. Frew (BS, EE, ’73; MS, Engr., ’83)
Mr. Joseph W. Gibbs (BS, ME, ’73) and Mrs. Patricia A. Gibbs
Mr. Dennis Earl Gowan (BS, ME, ’73) and Mrs. Bethann Gowan
Mr. Wilton D. Hill (BS, IE, ’73) and Mrs. Andi L. Hill
Mr. James B. Hobbs (BS, EE, ’73)
Mr. Jerry D. Hughes (MS, CE, ’73) and Mrs. Gayle W. Hughes
Mr. Malcolm C. Macnaughton Jr. (BS, CE, ’73)
Mr. David M. Maxwell (BS, ME, ’73) and Mrs. Cheryl D. Maxwell

Dr. Michael E. Meadows (MS, EnvE, ’73; PhD, CE, ’76)
Ms. Evelyn Janice Patty (BS, EE, ’73)
Mr. John A. Phelps (BS, AE, ’73; MS, AE, ’75)
Mr. James McLeskey Phillips II (BS, ME, ’73)
Mr. Ernest H. Richey (BS, IE, ’73)
Mr. Thomas O. Rogers (BS, CHE, ’73) and Mrs. Anita K. Rogers
Mr. Richard Thomas Snead (BS, IE, ’73) and Mrs. Marilyn W. Snead
Dr. David James Thompson, M.D. (BS, EPh, ’73)
Mr. H. Ray Threlkeld (MS, CE, ’73) and Mrs. Lois E. Threlkeld
Mr. James M. White (BS, EE, ’73)
Mr. Robert E. Yost (BS, CE, ’73)

1974
Mr. Tony A. Angelelli (MS, ME, ’74) and Mrs. Joyce J. Angelelli (BS, ME, ’74; MS, Eng Ad, ’79)
Mr. Jock S. Aplin (BS, EE, ’74)
Mr. Larry D. Baker (BS, EE, ’74)
Dr. M. Patricia Brackin (BS, NE, ’74; MS, NE, ’75)
Mr. Thomas N. Brewington (BS, EE, ’74) and Mrs. Susan L. Brewington
Mr. James E. Casey Jr. (BS, EE, ’74) and Mrs. Gay T. Casey
Mr. Walter T. Christopher (BS, EE, ’74) and Mrs. Theresa M. Christopher

Dr. Donald M. Dewey (MS, ES, ’74)
Mr. Herbert M. Dove (BS, AE, ’74) and Mrs. Edith M. Dove
Mr. Robert S. Eby (BS, CHE, ’74; MS, CHE, ’78) and Mrs. Jean G. Eby
Mr. Barry A. Fittes (BS, EE, ’74; MS, EE, ’75) and Mrs. Kay Fittes
Mr. Walter L. Fuller III (BS, IE, ’74) and Mrs. Zoe A. Fuller
Dr. Ronald Graves (MS, ME, ’74; PhD, ME, ’76) and Mrs. Susan Graves
Mr. Ronald William Gunkel (MS, MetE, ’74) and Mrs. Joyce N. Gunkel
Mr. Gerald L. Guthrie Jr. (BS, CE, ’74)
Mr. Douglas S. Higgins (BS, AE, ’74)
Mr. Charles T. Hodges (BS, CE, ’74) and Mrs. Lynn C. Hodges
Mr. Kenneth E. Jones (MS, EnvE, ’74)
Mr. Christopher B. Korynski (MS, EnvE, ’74) and Mrs. Barbara Korynski
Mr. Gil W. Laster (BS, ME, ’74) and Mrs. M. Jan Laster
Dr. Biing-Lin Lee (PhD, CHE, ’74) and Mrs. Jing-Shwu Suen Lee
Mr. Thomas D. Logan (BS, EE, ’74)
Mr. David C. Martin (BS, EE, ’74) and Mrs. Nancy W. Martin
Mr. David John McClaskey (MS, IE, ’74)
Mr. Stephen K. McDaniel (BS, CE, ’74)
1976

Mr. Edwin T. Coleman III (BS, ME, ’76) and Mrs. Brenda S. Neal
Mr. Mahendra Ramachandran (BS, ChE, ’76) and Mrs. Cheryl B. Seale
Dr. Starling L. Shumate II (MS, ChE, ’74; PhD, ChE, ’75)
Mr. Edwin L. Szymanski (BS, EE, ’74)
Mr. James L. Vaughn (BS, EE, ’74) and Mrs. Lynda Vaughn
Mr. Charles H. Weaver Jr. (BS, CE, ’74) and Mrs. Kristin Weaver
Mr. John F. Wheeler (BS, CE, ’75)

1977

Mr. John Williamson Baker (BS, CE, ’77) and Mrs. Mary S. Baker
Mr. William Michael Bennett (BS, ChE, ’77)
Mr. Robert J. Boring (BS, NE, ’77; BS, EE, ’77) and Mrs. Tina Denny Boring
Mr. G. Edward Bruce (BS, NE, ’77)
Mr. Alan L. Childers (BS, CE, ’77; MS, CE, ’82) and Mrs. Julia Elizabeth Childers (BS, CE, ’79)
Mrs. Susan B. Close (BS, ES, ’77)
Mr. Alexander M. Cunningham III (BS, EE, ’77) and Mrs. Debra Cunningham
Mr. Merlin D. Danford (BS, ChE, ’77)
Mr. James M. Glumler III (BS, NE, ’77) and Mrs. Debra Cunningham
Mr. J. P. Hoefert (BS, IE, ’77)
Mr. Stephen Jay King (BS, CE, ’77; MA, CE, ’83) and Mrs. Debra Cunningham
Mr. Gene C. Koone Jr. (BS, CE, ’77; MS, EnV, ’79) and Mrs. Ellen S. Koone
Mr. Ronald T. Layman (BS, CE, ’77)
Mr. Larry C. Masters (BS, NE, ’77) and Mrs. Jennifer Masters
Mr. Willie E. Mayo (BS, EMS, ’77) and Mrs. Valerie Trotter Mayo
Mr. James R. McKinley (BS, ChE, ’77) and Mrs. Sondra McKinley
Mr. Barry C. Millsaps (BS, ME, ’77)
Dr. James A. Moore (BS, CE, ’77)
Mr. E. Tyler Shoman (MS, ME, ’77) and Mrs. Sheryl A. Shoman
Mr. Randal Dean Taylor, P.E. (BS, ES, ’77)
Mrs. Lois L. Threlkeld (BS, CE, ’77; MS, IE, ’94) and Dr. H. Ray Threlkeld
Mr. H. Thomas Tsai (BS, MetE, ’77) and Mrs. Chun L. Tsai
Mr. Aaron M. Webb (BS, EE, ’77) and Mrs. L. Marie Webb
Dr. Swe-Wong Yang (PhD, MetE, ’77)
Mr. Ralph H. Young (BS, EE, ’77)

1978

Mr. Chris Adams (BS, EE, ’78)
Dr. Timothy S. Bigelow (BS, EE, ’78; PhD, EE, ’90) and Mrs. Janet Benziger Bigelow
Ms. Jill Marie Blackwelder (BS, CE, ’78; MS, ME, ’94)
Mr. Thomas H. Caise (MS, Eng Ad, ’78) and Mrs. Nadine Caise
Mr. Gary M. Edmonds (BS, EE, ’78)
Mr. Alan A. Fennema (BS, EE, ’78)
Mr. Bruce E. Freeman (BS, EE, ’78)
Mr. Christopher J. Gobicki (BS, EE, ’78)
Dr. Daniel D. Harwood (BS, ChE, ’78; PhD, PolyE, ’84)
Mr. Curtis C. Huff (BS, Eng Ad, ’78) and Mrs. Bronwen C. Huff
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Mrs. Vicki Cottongim Johnston (BS, EE, ’78)
Mr. Kenneth D. Keith Jr. (BS, NE, ’78; MS, ES, ’93) and Mrs. Jamie E. Keith
Mr. Daw-Sheng Lu (BS, ES, ’78)
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Dr. William A. Miller (MS, ME, ’78; PhD, ME, ’98)
Mr. Terry W. Mitchell (BS, ME, ’78)
Major Peter C. Montgomery (BS, CE, ’78)
Mr. David R. Moore (BS, EE, ’78)
Mr. Roger D. Morris (MS, EE, ’78)
Mrs. Donna Rochat Parker (BS, EE, ’78)
Mr. Gregory W. Parks (BS, CE, ’78)
Mr. Winston Bernard Rawlston (BS, CE, ’78; MS, ChE, ’81) and Mrs. Susan Elizabeth Rawlston
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Mr. Russell B. Rochelle (BS, EE, ’78; MS, EE, ’89) and Mrs. Alison H. Rochelle
Mr. Charles E. Scott (BS, IE, ’78)
Mrs. Iris D. Shelton (BS, CE, ’78)
Mrs. Donna Rochat Parker (BS, EE, ’78)
Mr. Gregory W. Parks (BS, CE, ’78)
Mr. Winston Bernard Rawlston (BS, CE, ’78; MS, ChE, ’81) and Mrs. Susan Elizabeth Rawlston
Mr. Joseph O. Robertson (BS, CE, ’78) and Mrs. Adele M. Robertson
Mr. Russell B. Rochelle (BS, EE, ’78; MS, EE, ’89) and Mrs. Alison H. Rochelle
Mr. Charles E. Scott (BS, IE, ’78)
Mrs. Iris D. Shelton (BS, CE, ’78)
Mrs. Donna Rochat Parker (BS, EE, ’78)
Mr. Gregory W. Parks (BS, CE, ’78)
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<th>Year</th>
<th>Donor List</th>
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</table>
| 1980 | Ms. Mary S. Andrews (BS, ME, '80) and Mr. William Ralph Ayers III (BS, CE, '80) and Mrs. Christy S. Ayers  
Mr. Tim Bryant (MS, Engr., '80)  
Mr. John Robert Carson (MS, EnvE, '80) and Mrs. Carolyn Carson  
Dr. David R. Coffin (PhD, PolyE, '80)  
Dr. Charles R. Corlew (BS, CE, '80) and Mrs. Alice G. Corlew  
Mr. William D. Crouch (BS, ME, '80) and Mrs. Myscha R. Crouch (BS, IE, '84)  
Mr. John A. Farquharson (BS, ME, '80) and Mrs. Kelli N. Farquharson  
Mr. Lewis A. Haws (BS, ChE, '80)  
Dr. Michael W. Howard (BS, EE, '80; PhD, ES, '86) and Mrs. Karen G. Howard  
Mr. Samuel Kent Keebler, P.E. (BS, ChE, '80)  
Mr. Robert R. Kerr (BS, EE, '80)  
Mr. Daniel L. Machiela (BS, NE, '80)  
Mrs. Suzanne McCaskey (BS, IE, '80)  
Mr. Robert M. Montague (BS, ChE, '80) and Mrs. Karen A. Montague  
Mrs. Martha McKamy Morris (BS, ES, '80)  
Mr. Robert P. Murphy (BS, CE, '80) and Mrs. Angela Murphy  
Mr. Patrick E. Nevill (BS, IE, '80) and Mrs. Katherine S. Nevill  
Mr. Daniel J. Roeder (BS, ES, '80; MS, ME, '82)  
Mr. Ralph C. Simpson (BS, EP, '80)  
Mr. Scott M. Simpson (BS, EE, '80)  
Mr. Kent Huston Springer (BS, EE, '80)  
Mr. Ralf Starke (BS, EE, '80)  
Mr. Douglas F. Stickel (BS, ChE, '80)  
Mr. John N. Strain (BS, ME, '80)  
Mr. Mark A. Templeton (BS, ChE, '80) and Mrs. Patricia C. Templeton  
Mr. Jeffery A. Utley (BS, ME, '80; MS, IE, '80)  
Mr. Gordon L. Wheeler (BS, EE, '80)  
Mr. Robert C. Wunderlich (BS, CE, '80; MS, CE, '82) and Mrs. Frances M. Wunderlich  
Mr. Gary W. Zimmerman (MS, ES, '80)  
Mr. Carl Wayne Austin (BS, CE, '81)  
Mr. John M. Bryant (MS, Engr., '81)  
Mr. Philip Lee Butler (BS, EE, '81; MS, EE, '87)  
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Mr. Gary Lynn Chamberlain (BS, ES, '81; MS, ES, '86)  
Mr. Thomas Arthur Cooper (BS, ME, '81)  
Mr. Steven E. Cordell (BS, EE, '81)  
Mr. Bruce L. Cox (BS, MetE, '81) and Mrs. Carolyn Hatmaker Cox  
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Mr. David A. Dunaway (BS, EE, '81)  
Mr. David L. Francisco (BS, IE, '81)  
Mr. Michael Joseph Frazier (BS, EE, '81)  
Ms. Joan A. Giltner (BS, CE, '81; MA, CE, '87)  
Mr. Robert L. Goan (BS, EE, '81) and Mrs. Joni T. Goan  
Mr. Anthony Perry Gouge (BS, ChE, '81)  
Dr. William R. Hamel (PhD, ME, '81)  
Mr. Tony P. Hayes (BS, CE, '81)  
Mr. Henry L. Henderson Jr. (BS, IE, '81)  
Mr. Alfred L. Hester Jr. (BS, ME, '81)  
Mr. Richard G. Irby (BS, ME, '81; MS, ME, '85)  
Dr. Karen E. Jackson (BS, ES, '81)  
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Mr. Patrick D. McManus (BS, EE, '81) and Mrs. Andrea McManus  
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Mr. Edward Parham (BS, EE, '81)  
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Mr. Mark T. Powell (BS, EE, '81)  
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| 1981 | Mr. James A. Tevepaugh Jr. (MS, ME, '79) and Mrs. Carol W. Tevepaugh  
Mr. J. Steven Walker (BS, ChE, '79)  
Mr. James M. Williamson (BS, CE, '79) and Mrs. Sunny L. Williamson  
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Mr. William Henry Zielke (MS, MetE, '79)  
Mr. Michael C. Sawyers (BS, ES, '79)  
Mr. David Paige Poe (BS, EE, '79)  
Mr. Claudio Polo (BS, IE, '79) and Mrs. Mary K. Polo  
Mr. Richard A. Wolfe (BS, IE, '79)  
Mr. James V. Pierce III (BS, EE, '79)  
Mr. David Paige Poe (BS, EE, '79)  
Mr. Claudio Polo (BS, IE, '79) and Mrs. Mary K. Polo  
Mr. Michael C. Sawyers (BS, ES, '79)  
Mr. Terry P. Scholes (MS, CE, '79) and Mrs. Linda F. Scholes  
Mr. David W. Sherrod (BS, ME, '79)  
Mr. Robert F. Simmons (BS, ChE, '79)  
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Mr. James A. Tevepaugh Jr. (MS, ME, '79) and Mrs. Carol W. Tevepaugh  
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Mr. James M. Williamson (BS, CE, '79) and Mrs. Sunny L. Williamson  
Mr. Thomas W. Witty (BS, IE, '79; MS, EE, '85)  
Mr. Richard A. Wolfe (BS, IE, '79)  
Mr. William Henry Zielke (MS, MetE, '79)  |
Mr. Kevin R. Palm (BS, EE, ‘82) and Mrs. Betsy D. Palm
Mr. Norman P. Pih (BS, ChE, ‘82)
Mr. Daniel Wayne Posey (BS, ME, ‘82)
Mr. Randy L. Reed (BS, CE, ‘82)
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Mrs. Melissa W. Starkweather (BS, ES, ‘82)
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Col. Barry N. Totten (BS, IE, ‘82) and Mrs. Anne K. Totten
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Mrs. Karen R. Watson (BS, ES, ‘82)
Mr. Bernard James Weber (MS, NE, ‘82) and Mrs. Mitzi Ellen Weber
Mr. Richard W. Westbrook III (BS, ME, ‘82)
Miss Regina E. Winbush (BS, IE, ‘82)
Dr. Kwai L. Wong (BS, AE, ‘82; PhD, ES, ‘95)
Mr. N. Douglas Woody (BS, NE, ‘82; MS, NE, ‘87)
Mr. Donald E. Yarbrough (MS, CE, ‘82) and Mrs. Rachel O. Yarbrough

1983

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Mr. Thomas V. Baudry (MS, ES, ‘83) and Mrs. Janet I. Baudry
Mr. Mark Wesley Bensen (BS, EE, ‘83) and Mrs. Beverly S. Bensen
Mrs. Lisa D. Blue (BS, EE, ‘83)
Mr. Gregory E. Brewer (BS, IE, ‘83)
Mr. Eddie R. Brock (BS, EE, ‘83)
Mr. Billy Boyd Caldwell (MS, CE, ‘83)
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Ms. Ann M. Cooter (MS, ME, ‘83)
Mr. Phillip D. Crouch (BS, ME, ‘83)
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Mr. Charles A. Howell (BS, CE, ‘83) and Mrs. Elaine D. Howell
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Mr. J. Steven Kidwell (BS, EE, ‘83) and Mrs. Julie D. Kidwell
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Mr. James H. Littlejohn (MS, Eng Ad, ‘83)
Mr. David Wayne Mayfield (BS, CE, ‘83)
Dr. Donna Miles McCollum (BS, ES, ‘83) and Mr. Darris Edd McCollum
Mr. Steven Lance Oliver (BS, CE, ‘83)
Mr. Kenny R. Parker (BS, ChE, ‘83) and Mrs. Anne P. Parker (BS, IE, ‘83)
Mrs. Susan B. Rhyme (BS, ChE, ‘83) and Mr. Donald K. Rhyme Jr. (BS, NE, ‘85)
Mr. Montgomery Lloyd Wilder (BS, IE, ‘83)
Miss Lynda J. Wimerly (BS, ChE, ‘83)
Miss Priscilla F. Yee (BS, IE, ‘83)

1984

Mr. Eugene J. Baksia Jr. (MS, CE, ‘84) and Mrs. Kristin Kay Baksia
Mrs. Keely Long Beale (BS, ME, ‘84)
Mr. David A. Boshers (BS, ChE, ‘84)
Mr. Jeffery H. Bowman (BS, EE, ‘84)
Mr. Jerry L. Britton (BS, CE, ‘84)
Mrs. Myrsha R. Crouch (BS, IE, ‘84) and Mr. William D. Crouch (BS, ME, ‘80)

1985

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Mr. James Thorpe Bowell (BS, AE, ‘85)
Ms. Kathy J. Caldwell, P.E. (BS, CE, ‘85) and Dr. Ronald A. Cook (BS, CE, ‘75; MS, CE, ‘81)
Mrs. Patricia Cotton Campbell (BS, IE, ‘85)
Mr. Paul Thomas Carr (BS, CE, ‘85) and Mrs. Lynn Carr
Mr. Dennis W. Chastain (BS, EE, ‘85)
Mr. Thomas W. Clepper (BS, ME, ‘85)
Mr. Karl W. Covington (BS, EE, ‘85)
Mr. D. Mark Cunningham (BS, EE, ‘85)
Ms. Tracy A. Davis (BS, ES, ‘85)

1986

Mrs. Minna M. Andriulli (BS, ES, ‘86) and Mr. John B. Andriulli
Mr. Christopher Timothy Ball (BS, IE, ‘86)
Mr. Eric W. Barnes (BS, ME, ‘86)
Mr. James O. Bass (BS, EE, ‘86) and Mrs. Dena Camille Bass
Mr. Daniel L. Berry (BS, CE, ‘86) and Mrs. Constance H. Berry
Mrs. Karen D. Bialok (BS, EE, ‘86)
Mr. Jeffrey A. Catt (BS, AE, ‘86; MS, AE, ‘88)
Dr. Su-Ming Chan (PhD, ChE, ‘86)
Ms. Pamela Chere Dautenhahn (BS, ChE, ‘86)
## DONOR LIST

<table>
<thead>
<tr>
<th>Year</th>
<th>Donors</th>
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<tbody>
<tr>
<td>1987</td>
<td>Mr. Anthony D. Andrews (BS, ME, '87) and Mrs. Melinda D. Curtisinger Mr. Phil Begley (BS, EE, '87) and Mrs. Traci P. Begley Mr. Michael Walter Borders (BS, EE, '87) and Mrs. Anna Lynne Borders Mr. William C. Boyte (BS, EE, '87) Mr. David L. Carson (MS, EE, '87) Mr. Gregory M. Crafts (BS, ME, '87) and Mrs. Anne S. Crafts Dr. James H. Deatherage (PhD, CE, '87) and Mrs. Patricia Deatherage Ms. Sharon Dietrich (BS, IE, '87) Mr. James A. Durham (MS, CE, '87) Mr. Scott F. Eisenhart (BS, EE, '87) Mr. Robert M. Frye (BS, CE, '87) Mr. Rocky D. Hall (BS, EE, '87) Mr. James G. Huddleston (BS, EE, '87) and Mrs. Jan Huddleston Mr. Shawn M. Huebschman (BS, ME, '87) Mr. Michael R. Johanson (BS, ME, '87; MS, ME, '90) Mr. Michael E. Kania (BS, MetE, '87) Mr. Stephen M. Miller (BS, ChE, '87) Mr. William C. Miller Jr. (BS, CE, '87) and Mrs. Frances N. Miller Mr. Wayne S. Moore Jr. (BS, CE, '87; MS, CE, '96) Mrs. Mary K. Nehls (BS, ChE, '87) Lt. Col. John C. Paschall (BS, AE, '87) Mr. Calvin Albert Robbins (BS, EE, '87) Mr. Jeffrey A. Rose (BS, IE, '87; MS, EnvE, '97) and Mrs. Kelly Martin Rose Mr. Bradley C. Simpson (BS, EE, '87) Mr. Jeffrey A. Smith (BS, ChE, '87) and Mrs. Pamela A. Smith Mr. Mark Kevin Smith (BS, ME, '87) Mr. Martin G. Smith (BS, ES, '87) Mr. Kenneth R. Surgenor Jr. (BS, IE, '87) Mrs. Margaret M. White (BS, ChE, '87) Miss Gale Wills (BS, IE, '87) Mr. Thomas F. Zoladz (BS, ME, '87)</td>
</tr>
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<td>1988</td>
<td>Mr. A. Keith Abbott (BS, EE, '88) Mr. Ralph J. Abel (MS, AE, '88) Mr. Kenneth F. Baker Jr. (BS, EE, '88; MS, EE, '92) and Mrs. Maureen S. Baker Mr. Joseph C. Baldwin (BS, EE, '88) and Mrs. Michelle Baldwin (BS, EE, '89) Mr. William G. Bartlett (BS, ME, '88) Mr. Richard P. Beam (BS, EE, '88; MS, EE, '93) Mr. Michael A. Bonner (BS, CE, '88) Mr. Donald E. Stout (BS, ChE, '86) Ms. Adrienne M. Walls-Brunner (BS, ME, '86) Miss Anatia L. Whittenburg (BS, NE, '86) Dr. Kenneth F. Zieminski (PhD, PolyE, '86) and Mrs. Amy Short Zieminski (BS, ChE, '86)</td>
</tr>
<tr>
<td>1989</td>
<td>Mr. Rodney C. Armstrong (BS, EE, '89) Mrs. K. Michelle Baldwin (BS, EE, '89) and Mr. Joseph C. Baldwin (BS, EE, '88) Mr. Mark J. Bendele (MS, ChE, '89) Ms. Kathleen D. Bryant (BS, IE, '89) Capt. Steven B. Burton (BS, EE, '89) Dr. James C. Conklin (PhD, ME, '89) Mr. Timothy J. Covington (BS, CE, '89) Mr. Todd T. Crutchfield (BS, ME, '89) Mr. Christopher J. Gatz (MS, IE, '89) Dr. Shaun S. Gleason (BS, EE, '89; MS, EE, '92; PhD, EE, '01) and Mrs. Caroline Johnson Gleason Mr. Timothy J. Guglielmello (BS, ME, '89; MS, ME, '91) Mr. Bruce C. Harrington III (BS, ME, '89) and Mrs. Sandia L. Harrington Mr. James D. Hoskins III (MS, CE, '89)</td>
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</tbody>
</table>
DONOR LIST

Mr. Daniel J. Chase (MS, NE, ’98)
Mr. Jeffrey E. Eagen (BS, EE, ’98; MS, EE, ’99)
Mr. Kari K. Eagen (BS, EE, ’00)
Mr. Calvin H. Hall (MS, EnvE, ’98)
Mrs. Kerry L. Henry (MS, MetE, ’98)
Mrs. Mandy C. Hopper (BS, EE, ’98)
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Ms. Julie M. Knapp (BS, EE, ’98)
Mr. Demetrius L. Williams (BS, ChE, ’98)
Ms. Brandy Miller Vachtsevanos (BS, EE, ’98)
Mr. Richard K. Stair (BS, ChE, ’98)
Mr. Andrew C. Scott (BS, EE, ’98)
Mr. David M. Royster Jr. (BS, EE, ’98)
Mr. Matthew Steven Vrba (BS, EE, ’99)
Mr. Kevin Richard Riggs (BS, ChE, ’98) and Mrs. Stephanie Nicole Riggs (BS, ChE, ’98)
Mr. Richard Oswald (BS, CE, ’99)
Mr. Brian K. Shelton (BS, EE, ’99)
Mr. Calvin H. Hall (BS, ChE, ’98)
Mrs. Laura Megan Buchanan (BS, CE, ’99)
Mr. Christopher R. Brown (BS, ES, ’99)
Mr. David P. Beason (BS, ES, ’99)
Mr. Stephen D. Aljets (BS, ES, ’99)
Mr. Paul A. Bielicki (MS, CE, ’00)
Ms. Cornelia A Brackett (MS, IE, ’00)
Mr. Jacob S. Chandler (BS, CE, ’99; MS, EnvE, ’01)
Mrs. Teresa Goins Curvin (BS, ChE, ’99)
Mr. Dallas A. Dover (BS, EE, ’99)
Ms. Jennifer L. Duncan (BS, CE, ’99; MS, CE, ’00)
Mr. Christopher J. Gentry (BS, EE, ’99) and Mrs. Michelle R. Gentry
Ms. Stephanie Morgan (BS, EE, ’99)
Mr. Christopher Frank Gilbert (BS, CE, ’99)
Mr. David G. Huskey (BS, CE, ’99)
Mr. Waldo A. Margheim III (MS, EnvE, ’99)
Mr. J. Miller Moore (BS, CE, ’99)
Mr. Frederick L. Nolen III (BS, ME, ’00; MS, ME, ’04)
Mr. Jonathan T. Olmstead (BS, CE, ’99; MS, CE, ’01)
Mr. Trent Richard Powers (MS, ME, ’99)
Mr. Jason A. Shaw (BS, ME, ’99)
Mr. Clark P. Shelton (BS, CE, ’99)
Mr. Jeng-Hon Su (MS, EnvE, ’99)
Mr. Matthew Steven Vrba (BS, EE, ’99)
Mr. Patrick William Winters (BS, IE, ’99)

1999

Mr. Stephen D. Aljets (BS, ES, ’99)
Mr. David P. Beason (BS, ES, ’99)
Mr. Christopher R. Brown (BS, CE, ’99)
Mrs. Laura Megan Buchanan (BS, ME, ’99)
Mr. Jacob S. Chandler (BS, CE, ’99; MS, EnvE, ’01)
Mrs. Teresa Goins Curvin (BS, ChE, ’99)
Mr. Dallas A. Dover (BS, EE, ’99)
Ms. Jennifer L. Duncan (BS, CE, ’99; MS, CE, ’00)
Mr. Christopher J. Gentry (BS, EE, ’99) and Mrs. Michelle R. Gentry
Mr. Christopher Frank Gilbert (BS, CE, ’99)
Mr. David G. Huskey (BS, CE, ’99)
Mr. Waldo A. Margheim III (MS, EnvE, ’99)
Mr. J. Miller Moore (BS, CE, ’99)
Mr. Frederick L. Nolen III (BS, ME, ’00; MS, ME, ’04)
Mr. Jonathan T. Olmstead (BS, CE, ’99; MS, CE, ’01)
Mr. Trent Richard Powers (MS, ME, ’99)
Mr. Jason A. Shaw (BS, ME, ’99)
Mr. Clark P. Shelton (BS, CE, ’99)
Mr. Jeng-Hon Su (MS, EnvE, ’99)
Mr. Matthew Steven Vrba (BS, EE, ’99)
Mr. Patrick William Winters (BS, IE, ’99)

2000

Mr. Paul A. Bielicki (MS, CE, ’00)
Ms. Cornelia A Brackett (MS, IE, ’00)
Mrs. Katy Brownley (BS, IE, ’00)
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Ms. Kara A. Ejali (BS, CE, ’00)
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Mr. James W. Jetton Jr. (BS, CE, ’00) and Mrs. Emily Catherine Jetton (BS, CE, ’00)
Miss Cecily M. Kitchen (BS, CE, ’00)
Mr. William L. Martin (BS, ME, ’00; MS, ME, ’03)
Ms. Lisa M. McBride (BS, EE, ’00)
Mrs. Acacia S. Nolen (BS, ME, ’00) and Mr. Brian K. Shelton (BS, EE, ’00)

2001

Mrs. Brooke M. Adams (BS, EE, ’01)
Ms. Susannah C. Culbertson (BS, CE, ’01; MS, CE, ’03)
Ms. Mandy L. Elgan (BS, EE, ’01)
Mr. Ryan Nathaniel Parkins (BS, CE, ’01)
Mr. Jason W. Sharp (BS, ChE, ’02)

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Mr. Jacob Dean Fife (BS, IE, ’02)
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Mr. Ryan Nathaniel Parkins (BS, ME, ’02)
Mr. Jason W. Sharp (BS, ChE, ’02)

2003

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Mr. William Eric Hawkins (BS, EE, ’03)
Mr. Dipal B. Patel (BS, IE, ’03)
Ms. Merry F. Rogers (BS, ChE, ’03)
Mr. Clinton Rollins Ward (BS, Cpe, ’03)

2004

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Mr. Louis Charles Kuykendall (BS, IE, ’04) and Mrs. Sabrina Leigh Kuykendall
Mrs. Sally A. Nichols (BS, CE, ’04) and Dr. Trent L. Nichols, M.D. (BS, EPh, ’76)
Mr. Jonathan Andrew Rawlston (BS, ChE, ’04)
Mr. Michael C. Romer (BS, EE, ’04)

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FY 2005 Total Budget—$52.7 Million

FY 2005 Research Expenditures (Gifts, Grants and Contracts) by Department/Center—$27.9 Million

FY 2005 State Funding Expenditures—$24.8 Million (including course fees)
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The information in the annual report reflects the time period from July 1, 2004 through June 30, 2005.
The College of Engineering is resolved to become one of the country’s top 40 public engineering educational institutions. To bring this vision to reality, our college is committed to these five charges:

1. Attaining national and international recognition among peer institutions for excellence in both research and teaching.

2. Assembling a dynamic body of faculty who exemplify excellence and innovation in the pursuit and delivery of knowledge and will perpetuate the highest standards of engineering education for future generations.

3. Graduating students who are well educated in technical knowledge, with solid communication and teamwork skills, who can compete successfully in the global business world and contribute significantly to the national base of engineering education and technology.

4. Investing strategically in the college’s most important resources—students, faculty and programs—through the vigorous acquisition of private gifts from individuals, corporations and foundations.

5. Partnering with academic, industrial and government entities that share and enhance the mission of the College of Engineering, so that our educational and collaborative efforts result in the maximum, positive, economic impact locally, regionally, nationally and globally.