Message from the Department Chair

The past academic year was filled with exciting and wonderful news, accomplishments and developments that I am pleased to share with you in this publication.

I welcome our newest addition to the faculty, Fadel Megahed. Megahed graduated from Virginia Polytechnic Institute and State University. As an associate professor, Megahed will teach our statistics courses and conduct research on creating new tools to analyze, model and visualize large, heterogeneous data sets. I also want to welcome MacKenzi Boothe, who joined the department as an administrative support associate. Boothe is an Auburn native and has a bachelor’s degree in English literature from Auburn University. Barbara Swanson, who previously provided our administrative support, retired November 2012, after 27 years of service to Auburn University.

The number of students in our program continues to follow a constant growth pattern. Our undergraduate enrollment increased 67 percent in the past five years. In 2008, undergraduate enrollment was 184, and in just five years has increased to 308, bringing total enrollment to 440. We are in the process of developing educational strategies to continue to provide our students the high-quality educational program they deserve. I am proud to report that we awarded 45 bachelor’s degrees, 37 master’s degrees and three doctoral degrees this academic year.

I am certain an international experience would enhance our curriculum, especially in the globalized world economy. I organized a study abroad program in Valparaiso, Chile, last spring. Six undergraduate engineering students participated in the program and spent three weeks completing an intensive three-credit-hour course I taught on international logistics. The students were able to enjoy the Chilean culture firsthand with host families. You can read more about the students’ experiences inside the newsletter.

Please continue reading this newsletter to learn more about recent achievements of our industrial and systems engineering faculty, alumni and students.

War Eagle!

Jorge Valenzuela, Ph.D.
Professor and Department Chair
Industrial and Systems Engineering
Auburn University

DEPARTMENT UPDATES

The department’s main conference room has been dedicated to the Haack family for their generous gift to support the completion of the college’s Shelby Center for Engineering Technology.
Fadel Megahed joined the department in fall 2012 as an assistant professor. Megahed received both his master’s and doctoral degrees in industrial and systems engineering from Virginia Polytechnic Institute and State University. His current research focuses on “creating new tools to store, organize, analyze, model and visualize the large heterogeneous data sets associated with modern manufacturing, health care and service environments.” He developed and taught a new course in big data analytics and visualization this spring, which was well received by students. You can find more information about Megahed at his website, www.eng.auburn.edu/users/fmm0002/index.html.

Barbara Swanson has retired after 27 years in an administrative role in the department.

MacKenzi Boothe joined the department in February as an administrative support associate. Boothe graduated from the university in 2012 with a bachelor’s degree in English literature.

A paper written by faculty member Alice Smith was recognized as the top article in reliability engineering and systems safety on ScienceDirect.com. Smith’s article, “Multi Objective Optimization Using Genetic Algorithms: A Tutorial,” ranked first among 25 articles and focuses on methods used to obtain multiple goals in complex engineering problems.

Funded by the National Science Foundation, Alice Smith and Jorge Valenzuela are organizing a Pan American Advanced Studies Institute workshop, “Modeling, Simulation and Optimization of Globalized Physical Distribution Systems,” in Santiago, Chile. For more information visit pasichile2013.auburn.edu.

ISE job portal goes live
Check out the department’s new job portal, http://auinsy.snappages.com/about-us.htm, to access information about professional positions and internships that are sent to the department directly.

2013 IIE Student Chapter Activities
- Grill and Greet — IIE held a Grill and Greet event on Monday, Feb. 11, to celebrate the start of a new semester and welcome ISE students.
- e-Portfolio Workshop — Faculty member Fadel Megahed, along with a student from the English department, presented an e-Portfolio workshop to INSY students in October. E-portfolios provide students with a digital collection of personal accomplishments and are the focus of Auburn’s 2013 Quality Enhancement Plan. For more information, visit http://www.auburn.edu/communications_marketing/qep/.

Graduate students showcase research
The following students presented their research posters on campus at the fall 2012 Graduate Engineering Research Showcase:

Seyedamirabbas Mousavian
Nancy Bissinger
Michael Porter
Celal Gungor
Ruoliang Tang
Elif Ozgormus
Ilknur Uludag
Nader A. B. AlTheeb
Onur Uludag

Senior design teams work with industry
Each spring, student teams are matched with local companies to apply classroom learning. All senior design teams employ the Define, Measure, Analyze, Improve and Control (DMAIC) Six Sigma structure as a guide for their projects. This year, student teams worked with various companies, including Bees ‘N Things, Lee County Emergency Management Agency, Auburn’s Department of Industrial and Systems Engineering, Caterpillar, Donaldson Filtration Solutions, General Electric Pensacola Plant,
Lear Corporation, Johnson Controls Incorporated, Mando, Packaging Corporation of America, Thermo Fisher Scientific and CoachComm. All teams received accolades from their industry partners, while gaining valuable experience in teamwork, as well as techniques learned in their ISE classrooms.

More on Bees ‘N Things

Bees ‘N Things is a student-owned company that produces carpenter bee control products. The company’s problem statement focused on the lack of a standardized manufacturing process in place to mass produce products safely and efficiently and the large amount of inventory the current manufacturing process requires. After thorough analysis, students made recommendations to Bees ‘N Things that improved cycle time by 15 percent, throughput rate by 37 percent and labor cost per trap by 15 percent.

Engineering study abroad in Chile

The first engineering study abroad course in international logistics was held this spring at the Universidad Técnica Federico Santa María (UTFSM) in Valparaíso, Chile. Seniors John Herron, Will McAleer and John Terry, along with juniors Emily Carlton, Makenzie Reynolds and Carl Schilleci, spent three weeks experiencing Chilean food and culture with host families. Students completed an intensive three-credit-hour course on international logistics and developed new friendships on the UTFSM campus. The course was created and taught by ISE department chair Jorge Valenzuela.

The study abroad program is a result of the partnership between Auburn and two Chilean universities, UTFSM and Universidad Austral de Chile, established to develop academic and cultural exchanges in support of education and research. The host institution, UTFSM, is a private, urban, multi-campus university. Founded in 1931, UTFSM has a current enrollment of 18,000 students. The university is ranked third among the 61 institutions within the Chilean university system and is accredited by the Comisión Nacional de Acreditación de Chile. The students documented the trip as part of an assignment during the course. Each student shared something about their experience in Chile.

Emily Carlton: My favorite aspect of studying abroad was staying with my host family. We were greeted with a snack called empanadas, which were absolutely divine. We soon discovered that there were six other students staying with our family, two from New York and four from various places in Chile. Our family would feed us breakfast, lunch and dinner daily. For breakfast, we had toast with very sweet marmalade and coffee.

John Herron: My favorite times on the trip were spent with students of Santa Maria outside of class. The students were so nice and helpful. They were all interested in us and had just as many questions about the U.S. as we did about Chile. It was fun to go around to the local spots that were the Chilean’s favorite hangouts. I felt like this was the best way to not only learn some Spanish, but also to be immersed in the culture.

Will McAleer: One surprising part of Chile, especially Valparaíso, is the discrepancy in income compared to back home. Minimum wage in Chile is roughly a fourth of what it is in the U.S., and engineering graduates get paid roughly a third of what one would earn in America. However, the cost of living is no less expensive than in Alabama. The circumstances of their country affect their cost of living.
Carli Schilleci: The planned cultural activities were great, but exploring Chile with our group was just as fun! We found markets and stores of handmade gifts on the beaches, navigated the public transportation together and struggled to communicate with workers in the mall. Shopping for handmade gifts was one of my favorite things to do in our free time. I loved finding unique gifts to bring back to my family!

Makenzie Reynolds: Climbing the hills of Valpo was quite the workout, but the creative artwork that covers most of the houses made the fatigue easier to forget. We got to be involved in a foreign university for technical majors. It was a valuable experience listening to the different students and professors who gave us lectures on issues pertaining to Chile.

John Terry: For the past three weeks in Chile, I've had the pleasure of living in and exploring Valparaiso and Vina del Mar. “Little San Francisco” or “San Francisco of South America” was used to describe the area, and my experience confirms that Valpo is the adopted brother of San Francisco, Calif. The distinct feel, the art, universities, food, night life and geography are all part of what made this trip unique and exciting.

On the other side of the partnership, Chilean students Luis Oyarzun and Katherine Mansilla enjoyed the fall semester at Auburn. They had the opportunity to meet students from all over the world who are studying at Auburn. It was Oyarzun's first time in the U.S., and he was surprised by the many accents that make up American English. “There are not big differences between the American and Chilean culture,” Mansilla said. “There are actually a lot of things in common, like ideologies based on freedom and love for sports. One can also find great food and a wide variety of music and shopping. It was because of these similarities, in addition to the lovely people in Auburn, that I felt very comfortable in the U.S.”
Cooper Industries Seminar Series

The department’s Cooper Industries Seminar Series exposes graduate students to current research and application of industrial and system engineering. Held each semester, the seminar series features speakers that include fellow graduate students, Auburn professors and industrial engineering faculty from other universities, as well as practicing engineers and consultants.

Fall 2012 seminar speakers included:

Steven Corns, Missouri University of Science and Technology
Ruoliang (Rio) Tang, Auburn ISE doctoral candidate
J T. Black, professor emeritus at Auburn University
Celestine Aguwa, Wayne State University
Rapinder Sawhney, University of Tennessee
Andres Carrano, Director of Toyota Production Systems Lab at Rochester Institute of Technology
Hakan Balci, Regulatory Advisor at Dominion Resources
Q. Peter He, Tuskegee University
G. Travis Adams, Auburn University’s Office of University Writing

Spring 2013 seminar speakers included:

Ann Bisantz, University of Buffalo
Nancy Bissinger, Auburn ISE doctoral candidate
Nanette Chadwick, Director of Academic Sustainability Programs at Auburn University
Steven Gabriel, University of Maryland
Allison Jones-Farmer, C&E Smith Endowed Professor of Business Analytics at Auburn University
Jeffrey Kharoufeh, University of Pittsburgh
Kate Lindsey, UPS Atlanta’s Advanced Analytics Group
Brian Paul, Oregon State University
Andrew Wohrley, Auburn University Libraries

We are always looking for interesting speakers who are willing to share their industrial and systems engineering experience with graduate students. If you would like to be a speaker in the department’s seminar series, please send an email to Jorge Valenzuela at valenjo@auburn.edu.
Annual Alumni Tailgate

The department’s annual alumni tailgate was held before the Alabama A&M football game on Nov. 17, 2012. This department-sponsored event is an opportunity for students, faculty, alumni and friends of the department to get together in a relaxed atmosphere, enjoy each other’s company and catch up with old friends.

Lego Lab

The Tiger Motors Manufacturing Lab, also known as the Lego Lab, is in the process of installing ceiling cameras and setting up a blog so the manufacturing community can provide input to its continuing improvement. Technological improvements such as PLC-controlled conveyors, robotics and vision inspection will enable the mission to “simulate manufacturing’s best practices, from material receipt to product delivery.”

Through the lab, faculty members provide hands-on opportunities for student experiential learning in lean manufacturing, materials and manufacturing processes and statistical quality design and control. Plans for further integration into the curriculum will be carried out as the lab is enhanced and improved. Ultimately, the lab experience will “develop manufacturing-savvy students that can make an immediate difference supporting local business.” If you are interested in supporting continued lab improvements, contact Linda Pitchford at pitchll@auburn.edu.

Tom Devall, director of automotive manufacturing initiatives, updates the lab’s continuous improvement board, which is used to log issues from the operation for further action.

Student Mshon Pulliam assembles vehicle components.
ISE Alumni Council members toured Auburn athletic facilities before the spring council meeting on April 26. K.C. Hairston, '98 graduate in ISE, joined the council this year. Hairston is a partner in the energy section of the Balch & Bingham law firm in Birmingham. If you are interested in being part of the council, email ISE department chair Jorge Valenzuela, valenjo@auburn.edu.

New members join honor society
Auburn’s chapter of Alpha Pi Mu, the industrial engineering honor society, inducted the following new members on March 21 at Auburn's University Chapel:

Joshua Farrington, senior  
Meredith Gerlach, junior  
Catherine Hughes, senior  
Makenzie Reynolds, junior  
Kathryn Smith, senior  
Jessica Belue, senior  
Preston Jones, senior  
Megan Lewis, senior  
Kelly O’Bryant, ’13  
Virginia Russell, ’13  
Lynn Tamblyn, junior  
Lisa Wethington, senior  
Mohammadnaser Ansari, graduate student  
Shahab Derhami, graduate student  
Masood Jabarnejad, graduate student  
Menglu Li, graduate student  
Seyedamirabbas Mousavian, graduate student  
Bin Weng, graduate student

Congratulations to these new members!
Faculty member Kevin Gue advises Auburn’s chapter of Alpha Pi Mu.
Officers for 2013-2014 are:
Sarah Perry, president  
Kathryn Smith, vice president  
Preston Jones, treasurer  
Megan Lewis, secretary  
Jessica Belue, e-council representative
**FACULTY ACCLAMATION**

Professor emeritus **J.T. Black** received mention in the Journal of the Association of Military Industrial Engineers as one of the “architects of the practice of industrial engineering.” Black's name appeared in the same paragraph as George Washington, Thomas Jefferson, Frederick W. Taylor and Henry Ford.

**Jerry Davis** was recognized for 10 years of active membership and participation in the American Society of Safety Engineers.

**Sean Gallagher** was recognized with two Don B. Chaffin awards, one for podium presentation and another for round table presentation at the 2013 Applied Ergonomics Conference held March 18-21 in Dallas, Texas.

**Richard Sesek** was presented with the American Society of Safety Engineers’ (ASSE) Dr. William E. Tarrants Outstanding Safety Educator Award, the highest award granted to safety educators, at the organization's professional development conference on June 26. The recipients of this award dedicate time to creating a challenging and relevant educational experience for students, work to get students involved in ASSE's student chapters and contribute to safety-related research. Sesek also received national recognition as the Board of Certified Safety Professionals (BCSP) recipient of the Certified Safety Professional Award of Excellence. In addition to being recognized by his peers in both ASSE and the BCSP, Sesek was also recognized by students as the department's outstanding faculty member this year. Sesek serves as faculty adviser to the department's student chapters of Human Factors and Ergonomics Society (HFES) and the ASSE. As faculty adviser to winning teams in the National Applied Ergonomics Student Design Competition, Sesek coaches students in the experiential application of academic studies.

**Facts and figures for 2012-2013**

- Undergraduate enrollment (spring): 308
- Graduate enrollment (spring): 132
  - Master's students: 75
  - Doctoral students: 57
- Bachelor's degrees awarded: 45
- Master's degrees awarded: 37
- Doctoral degrees awarded: 3
- OSE certificates awarded in 2013: 11

**Alice Smith**, recently honored with the inaugural W. Allen and Martha Reed Endowed Professorship, was elected to serve on the Institute of Electrical and Electronics Engineers (IEEE) Computational Intelligence Society Administration Committee following an international vote. Smith is one of five newly elected members serving a three-year term through 2015. In addition, she was named an area editor of two publications, *INFORMS Journal on Computing* and *INFORMS Journal on Computers and Operations Research*. She also taught and conducted research at Bilkent University in Ankara, Turkey, this spring. While there, Smith, a Senior Fulbright Scholar, taught a quality assurance course to 48 third-year students and gave several technical and development seminars on facility design for retailers and best practices for journal publications at Uludag University and Erciyes University. Smith initiated new research...
in facility design for grocery stores with Migros Corporation in Istanbul and in collaboration with Bilkent and Andalu Universities for Coke and Yunus stores.

Jeff Smith received the 2012 Distinguished Service Award from the INFORMS Simulation Society for providing long-standing, exceptional service to the simulation community. As part of a year-long sabbatical, Smith taught a hands-on workshop for professors entitled, “Rapid Modeling with Intelligent Objects: Simio Academic Grant Program Training,” at the University of the Bundeswehr in Munich in April.

Robert Thomas was named an American Industrial Hygiene Association (AIHA) fellow.

**Grant Funding**

Grants provide income to help support graduate education and departmental research. During the 2012-2013 academic year, the department was granted more than $1.2 million in research expenditures, and more than $1.4 million in new research awards, an increase of 53 percent from the previous year. Our faculty manages grants, performs research, teaches and participates in related tasks like outreach, mentoring and service.

Jorge Valenzuela was funded by Argonne National Laboratory to study transmission switching to reduce electric power generation costs.

Fadel Megahed received a grant for time on Amazon’s cloud server to be used by students during a course he developed on big data analysis. He also received a grant from the Procter & Gamble Fund Higher Education Grant Program to support a torque tool system to enhance Auburn’s experiential learning and advanced manufacturing research.

Alice Smith and Levent Yilmaz were awarded a collaborative grant by the Missile Defense Agency.

John Evans is studying isotropic aging of lead free solder for high reliability systems funded by CAVE3 as well as other funding sources.

**ALUMNI NEWS**

Adam Ficken ’10 led one of the three winning entrepreneur teams in the Alabama Launchpad Startup Competition’s proof of commercial relevance final round.

Carol Godfrey ’86, was awarded the 2013 Women of Distinction Alumna Leadership Award by the Auburn University Women’s Resource Center on April 5. Each year at the Women’s Leadership Conference, Auburn University honors an undergraduate student, graduate student, faculty member, staff member and alumna who demonstrates exemplary leadership abilities, leads with heart, creates innovative solutions and inspires and uplifts the community. These award winners are recognized at the conference luncheon each year and honored with a certificate of achievement.

Susan Story ’81 retired from Southern Company after 31 years of service, to become the chief financial officer of American Water in New Jersey.

Gary Teng ’89, received the American Society of Safety Engineers’ Engineering Management Division 2012 Bernard R. Sarchet Award. Recognizing lifetime achievement in engineering management education, the award is annually given to an individual who has made significant contributions during an extended period of time to the discipline and the division, and who exemplifies the highest standards in engineering management. Teng is director of the Center for Lean Logistics and Engineered Systems at the University of North Carolina. Teng was J T. Black’s first doctoral student at Auburn.
Ruoliang “Rio” Tang ’13 and Celal Gungor ’13 earned the award for best Dillon-Carnahan research presentation at the Deep South Center for Occupational Health and Safety Research Symposium on April 12. They worked under the direction of faculty member Richard Sesek.

Tillis Brett ’59 was recognized as the department’s 2012 outstanding alumnus of the year. Brett owns Brett-Robinson Development Company, a successful real estate business and development company in south Alabama.

STUDENT NEWS

Graduate student Shahab Derhami received a Storage Equipment Manufacturers honor scholarship.

Graduate student C.W. Perr was awarded a scholarship from the Alabama chapter of the ASEE executive committee as a result of his academic success and dedication in seeking his doctoral degree.

Graduate students Seyedamirabbas “Amir” Mousavian and Nancy Bissinger participated in the Graduate Student Colloquium Scholars Forum. Mousavian was invited to present his research at Auburn’s university-wide Research Week in April.

Graduate student Stephanie Lynch won first place and graduate student Michael Porter earned honorable mention in the student poster competition at ASSE’s region four conference in Birmingham.

Sara Chapman, the department’s 2013 outstanding undergraduate student of the year, graduated summa cum laude in May. Chapman was a member of Tau Beta Pi Engineering Honor Society and of Alpha Pi Mu Honor Society.

Brian Nguyen, the department’s 2013 outstanding master’s student, earned an M.I.S.E. degree in May. He received a bachelor’s degree in electrical engineering from California State Polytechnic University in 2005. He is a member of ASSE and served as treasurer of the East Alabama student chapter. Nguyen also served as president of Alpha Pi Mu honor society in 2012.

Nancy Bissinger, the department’s 2013 outstanding doctoral student, received a bachelor’s degree from Auburn in math in 1973, as well as a M.I.S.E. degree in 2010. She expects to complete her doctoral degree at Auburn next year. Bissinger is a member of Alpha Pi Mu honor society, IIE, INFORMS and IEEE.

Seyedamirabbas (Amir) Mousavian, has been named the department’s outstanding international graduate student. He received a bachelor’s of science degree in industrial engineering from Sharif University of Technology and MBA from Malek Ashtar University of Technology in Tehran, Iran. Mousavian received a master’s degree in industrial and systems engineering from Auburn and expects to finish his doctoral studies in May. Mousavian is also a member of Alpha Pi Mu Honor Society, INFORMS and IIE.

Team WD Ergo

Auburn’s team placed second at this year’s National Ergonomics Design Competition for Student Teams. Team members included graduate students Brittani Edwards, C.W. Perr, Jennifer Coles, Mradul Sangal and Yousif Abulhassan.
Forehand Leadership Scholars Named

Jessica Belue, Joshua Farrington and Eduardo Robison-Rivera have been named Forehand Leadership scholars for 2013-2014. Eligibility for a Forehand Scholarship includes a minimum cumulative GPA of 3.25 on a 4.0 scale and strong evidence of leadership.

Jessica Belue has experienced life as an industrial engineer through her co-op experience at Rheem Manufacturing in Montgomery. “Rheem has allowed me to take real-world problems back to the classroom and apply them to the material covered there. I learned more than engineering principles at Rheem; I learned about the business world and how to reduce costs and maximize profits,” she said.

Belue is a student leader at Auburn and enjoys opportunities that focus on working with other students. She recognizes that a leader must be supported by a team to succeed. Belue summarizes industrial and systems engineering with the word efficiency. “I think a system should work at its best ability and the way that it was designed to work. Determining ways to improve a system in order to maximize output and profits is one reason why I chose this area of engineering,” she said.

Joshua Farrington has worked at Steelcase in Athens, Ala., learning data analysis and process improvement. “Working at Steelcase helped me learn how to interact with the employees whose jobs my decisions will affect. It’s important to work with the employees if you want them to accept the changes you’re trying to make,” Farrington said.

The Huntsville native volunteers both on and off campus as a member of IIE and at the Auburn Wesley Foundation, a Methodist student ministry. In his work at the Wesley Foundation, he helps incoming freshmen make the transition from high school to college. “The Wesley Foundation was a great place for me to get involved on campus and make friends my first year at Auburn. I want to do my part to give the freshmen the same kind of experience that I had.”

Eduardo Robison-Rivera believes industrial engineers are valued in many career fields. “Process/work flow improvement can be applied to the automotive industry, health care, and theme parks alike,” he said. “I look forward to the challenges and growth that my career path has the potential for, and I am continually grateful to Auburn for giving me the chance to pursue my dreams.”

Originally from Pleasanton, Calif., Robison-Rivera has worked for the last two years with The Walt Disney Company’s first Disney College Program, participating in their Ultimate Engin-EARing Exploration Day. Robison-Rivera also served and as an industrial engineering professional intern in the Walt Disney World Industrial Engineering Department. Robison-Rivera volunteers with Auburn’s IMPACT volunteer organization, and performs improvisational skits and shows for the Auburn community. He has been named to the dean’s list three of his four semesters at Auburn.

More information about the Joe W. Forehand Leadership Scholarships can be found at eng.auburn.edu/programs/insy/programs/ugrad/scholarship/forehand-joe.

Cook Leadership Scholars Named

Megan Lewis and Claire Schmidt have been named the Tim Cook Leadership Scholars for 2013-2014. The scholarship was founded by Auburn alumnus Tim Cook, ’82 industrial and systems engineering and CEO of Apple. The scholarship recognizes ISE students with significant academic achievements, strong evidence of non-academic university involvement and leadership, as well as community involvement and commitment.

Megan Lewis, a Trussville, Ala., native completed her third co-op rotation at Noramco Inc. in Athens, Ga., during the summer. Lewis worked on projects that included value stream mapping the company’s quality control labs, implementing sustainable Lean/5S projects and releasing raw material tankers through testing with near-infrared technology.

“It means so much to me as a student to know that Mr. Cook desires to help students pursue their dreams of attaining a degree in industrial engineering,” she said. “My family and I will never forget Mr. Cook’s generosity and kindness.”

Claire Schmidt, a Daphne, Ala., native, is a participant in many department, campus and community activities. Drawn to the problem-solving aspect of industrial and systems engineering, she believes “it is a mindset that should be used not only by industrial engineers, but by every human being. If everyone saw the systems they encounter everyday as something they could improve, the world would quickly become a better place.” With the knowledge she has gained at Auburn, Schmidt hopes to improve the quality of health care systems after graduation.

More information about the Tim Cook Leadership Scholarships can be found at eng.auburn.edu/programs/insy/programs/ugrad/scholarship/cook-tim
Departmental Gifts
May 2012—April 2013

Donations up to $99
Mr. Andrew J. Smith ’13
Mr. Kevin T. Moen ’09
Mr. Jason Scott Shaw ’11
Mr. and Mrs. Bradley J. Easterwood ’10
Dr. Robert E. Thomas Jr.
Mrs. Marilyn Thomas
Mr. Albert Lester Burbic III ’09
Mr. Richard M. Garwood ’67
Mr. William Foster Grimmitt ’86
Mr. Kenneth Lee Snyder ’85
Mrs. Peggy Yaofang Teng ’88
Dr. Sheng-Hsien Teng ’89
Dr. Gerard Albert Davis ’96
Dr. Alice E. Smith

Ms. Nancy Kay Denning ’84
Mr. and Mrs. James O’Neal Ballenger ’59
Mr. Keith F. Hornbuckle ’80
Mrs. LuAnn Sims Carpenter ’11
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