This, my fourth year at Tufts, has been another extraordinary year of growth and achievement for the School of Engineering. The SOE has continued to make remarkable strides on many fronts. During the academic year, we welcomed six exceptional individuals to the tenure track faculty, and recruited two new faculty members who will join us in 2008. Former director of Tufts Gordon Institute, Arthur Winston, and the TGI Masters in Engineering Management Program were honored with the National Academy of Engineering 2007 Bernard M. Gordon Prize and a new director, Robert Hannemann, was recruited from an illustrious career in industry to lead the institute. The largest foundation grant in SOE history was awarded by the Keck Foundation to a cross-departmental faculty team in bioengineering. All six of our undergraduate degree programs were re-accredited by ABET and our computer science degree program was accredited for the first time. The continuing work of the SOE Curriculum Task Force resulted in significant improvements to the undergraduate curriculum. Collaborative research activities in our three strategic areas facilitated a marked increase in intellectual property disclosures and submitted grant proposals by SOE faculty. The Beyond Boundaries campaign kicked off with ambitious goals and impressive results. Discretionary resources from this campaign are already enhancing the intellectual climate for our students and faculty. Additional highlights are described on the following pages.

Tufts Engineering community celebrated numerous achievements and milestones in AY06-07. Some of the most noteworthy are presented below.

The Tufts Faculty Research Awards Committee awarded this year's Distinguished Scholar Award to Professor Maria Flytzani-Stephanopoulos (CBE). This prestigious award recognizes Tufts faculty members for “distinguished research and scholarship in their discipline over the last five years,” and is the first to be awarded to a SOE faculty member since the award’s inception in 1997. Senior Lecturer Gary Leisk (ME) was this year’s recipient of the Henry and Madeline Fischer Teaching Award. Dr. Leisk is the first lecturer to be honored with this award. Assistant Professor Kyongbum Lee (CBE) received the prestigious Jay Bailey Young Investigator Best Paper Award in Metabolic Engineering. This award is sponsored by the DuPont Co. and awarded bi-annually. Professor Christos Georgakis (CBE) was elected Fellow of the International Federation of Automatic Control and was also appointed by the SOE as the Bernard M. Gordon Senior Faculty Fellow in Systems Engineering. Professor David Kaplan (BME) was named the first holder of the Stern Family Professorship in Engineering. The establishment of this endowed Professorship, the second in school history and the first to be offered in bioengineering, is made possible through the generosity of Trustee Chairman James Stern (E72) and his wife, Jane Stern. Professor Rob...
Jacob (CS) was honored with election to the Special Interest Group on Computer-Human Interaction’s CHI Academy. Professor Rich Wlezien (ME) received the NASA Exceptional Service Medal and was elected Fellow of the American Institute of Aeronautics and Astronautics. Adjunct Assistant Professor Marina Bers (CS), an assistant professor in the Eliot-Pearson Department of Child Development was one of 20 winners of the National Science Foundation Presidential Early Career Award for Scientists and Engineers. Associate Professor Donna Slonim (CS) was chosen as one of five winners of a 2006 Charlton Research Award by the Tufts University Medical School. Associate Professor Fio Omenetto’s (BME) research was featured among the “most notable results in Optics” in the Optics and Photonics News 2006 year-end issue.

A number of SOE faculty members have recently attained significant professional leadership positions. Associate Professor Karen Panetta (ECE) was named the 2007 Chair of the Women in Engineering Committee of the Institute of Electrical and Electronics Engineers, Inc. Associate Professor Vo Van Toi (BME) received a Presidential appointment as Executive Director of the Vietnam Education Foundation (VEF). Associate Professor Soha Hassoun (CS) was awarded the ACM/SIGDA 2007 Distinguished Service Award and was also elected to the 2008-2009 Institute for Defense Analyses’ Defense Science Study Group (DSSG). Dean Linda Abriola (CEE, CBE) was elected to the Council of the National Academy of Engineering.

The year marked the awarding of tenure to four of our faculty, Associate Professor Doug Matson (ME) and Professors Eric Miller (ECE), Jeff Hopwood (ECE), and Rich Wlezien (ME), the latter three of whom are new hires in SOE this year. We also celebrated the retirement of four prominent faculty members, all of whom had been members of the Tufts community for more than 35 years. At its commencement, the SOE honored ME Professors Emeriti, Ben Perlman and Fred Nelson, CEE Professor Emeritus Lin Brown, and CBE Professor Emeritus Kenneth Van Wormer. Each has played an instrumental role in building the SOE as it exists today. We hope to sustain our connection with these individuals for many years to come and wish them long and healthy retirements.

Many of our undergraduate students received awards and accolades this year. Among them is James Kaklamanos (E08) who was named a Tau Beta Pi scholar. Thirty additional engineering students from the class of 2007 graduated as members of the Tau Beta Pi engineering society, including 2006 Tau Beta Pi Scholars Ethan Heller and Kyle Bradbury. Astronaut Rick Hauk (A62) was on campus to present Kyle Bradbury (E07) with an Astronaut Scholarship Foundation scholarship. Engineering physics major, Pauli Kehayias (E09) received the Barry M. Goldwater Scholarship, an award that recognizes outstanding math, science and engineering undergraduates across the country. Jennifer Shusterman (E10) won a national Society of Women Engineer’s Exelon Corporation Scholarship, and two members of “NERD girls”, Danielle Vardaro (E07) and Lauren Jones (E07)
were featured in *ASEE Prism* magazine as exemplary women engineering students and leaders.

Among our graduate student award winners are: Post Doctoral Fellow Amanda Murphy (BME), who was awarded the *NIH Ruth L. Kirschstein National Research Service Award*; Jamie deLemos (CEE), a doctoral candidate in the Water: Systems, Science and Society program, who was named one of 22 *Switzer Foundation Fellows*; Doctoral Candidate Arthur Brady (CS), who was the winner of the *Best Student Paper Award* at the 20th International Symposium on Distributed Computing; and Doctoral Candidate Audrey Girouard (CS), who was awarded a prestigious *Natural Sciences and Engineering Council (NSERC) postgraduate scholarship*.

The *Engineers Without Borders* student chapter continued to thrive in its third year on campus. The organization now boasts more than 60 members, drawn from SOE and A&S. This summer, the EWB group traveled to communities in El Salvador and Ecuador for projects concerning water quality. Student leaders in these initiatives included Sarah Freeman (EG08) and Jonathan Crocker (E07).

We are also pleased to acknowledge some of the noteworthy achievements and milestones of our alumni. Fred Berger (A69), Engineering Board Overseer and senior vice president of the Louis Berger Group, received the *2007 American Society of Civil Engineers (ASCE) Outstanding Projects and Leaders (OPAL) Lifetime Achievement Award for Management*; Susan Decker (CS84) was named president of Yahoo! Inc.; Tufts Gordon Institute alumnus Mark Martin (EG90) was promoted to vice president and general manager for the Micromachined Product Division of Analog Devices, Inc.; Thomas Schwartz (E73), president/senior principal and head of the Building Technology Group at Simpson Gumpertz & Heger Inc., received the 2006 *ASTM International Walter C. Voss Award*; Kirk Loevner (E79), chairman and CEO of Epocrates and member of the SOE Board of Overseers, won the *Northern California Ernst & Young Entrepreneur of the Year award in the Health & Life Sciences*; and Ellen Kullman (E78), DuPont executive vice president and member of the SOE Board of Overseers, was named among this year’s *Fortune Magazine’s “50 Most Powerful Women in Business”*. Kullman, along with Ioannis Miaoulis (E83, EG87), president of the Boston Museum of Science and past SOE dean, were named members of Tufts’ Board of Trustees.

The SOE Board of Overseers welcomed three new members: Kenneth Bloom (E85), president and CEO of Preferred Rubber Compounding Corporation, Stephen Ricci (E67, E88P, J88P), senior partner at Flagship Ventures, and Peter Rothschild (E77), managing member of Daroth Capital LLC. This year also marked the appointment of a new chair of the Board of Overseers, Steven Karol (A76, A77, JP04), CEO of HMK Enterprises Inc., who succeeded past chair, Monte Haymon, (E59, J60S, JP83, JP85), retired president and CEO of Sappi Fine Paper North America.
On a more somber note, Norman Silverman (E58), Tufts University Trustee and member of the both the SOE and International Boards of Overseers, passed away this November. Norm served as an Engineering Overseer for 16 years and celebrated a decade of service as a Trustee just two weeks prior to his passing. Norm’s warmth, wisdom, and generous spirit will be sorely missed.

**Faculty Recruitment**

In AY06-07, six new tenure-track faculty hires began teaching at Tufts University: Professors Jeff Hopwood (ECE) and Eric Miller (ECE), both formerly at Northeastern University, and Richard Wlezien (ME), former director of the Fundamental Aeronautics Office at NASA; Assistant Professors Andrew Ramsburg (CEE) (PhD Georgia Tech; Post Doc U Michigan), Hyunmin Yi (CBE) (PhD, U of Maryland; Assistant Res Scientist, U of Maryland), and Jason Rife (ME) (PhD Stanford; Research Engineer, Stanford). Four faculty searches were also undertaken for positions at both the junior and senior level in AY06-07. To date we have filled two junior positions: Catherine Kuo (PhD, University of Michigan), currently a Postdoctoral Fellow at the National Institutes of Health will be joining BME as an assistant professor and Norman Ramsey, (PhD, Princeton University), currently an Associate Professor at Harvard University will be joining CS as an associate professor. Bruce Molay (BA, Harvard University), a software designer who has been a part-time Lecturer in CS, was appointed to a full time Lecturer position.

The search for a new director of the Tufts Gordon Institute was successfully concluded with the hiring of Robert J. Hannemann, founder and principal of Atlantic Technologies LLC, and former CEO of Lasersharp Corporation. A formal announcement will be forthcoming in FY08. Special thanks is extended to Associate Provost Vin Manno and other members of the TGI Director Search Committee for their diligent pursuit of excellence. In parallel with this Director search, the SOE has begun to develop a strategic plan for advancing and expanding TGI and has completed a marketing study to explore potential markets for current and new TGI educational offerings.

**Undergraduate Programs**

The School of Engineering continues to attract an extraordinary group of undergraduates. As of this writing, the SOE class of 2011 is comprised of 187 students, of which 29% are women, 24% are students of color, and 7% are foreign citizens. The mean class high school rank is 8%, with 80% in the top 10% of their class. Class average SAT scores are V684, M727 or 1411.

In AY05-06, the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET) visited the SOE. In AY06-07, all six of Tufts accredited engineering degree programs were re-accredited by ABET, and for the first time, Tufts also received accreditation of the SOE’s bachelor’s degree program in computer science.

The visiting committees were particularly complimentary of the quality of the SOE’s undergraduate advising – kudos to Associate Dean Kim Knox! Consistent with new ABET guidelines, the SOE curriculum
committee, under the able leadership of Associate Professor Alva Couch (CS), undertook a revision of the BS humanities/social science degree requirements, to allow courses in the arts to fulfill distribution requirements.

Associate Dean Lew Edgers’ (CEE) Curriculum Task Force made remarkable progress in AY06-07. Four cross-departmental subcommittees in the areas of computing, project-based learning, mathematics, and biology were formed to develop and implement specific components of their recommendations. As a result of these efforts: a revised required computing course will be offered in AY07-08; a new calculus with applications course will be piloted in fall 2008; a course in fundamentals of biological systems will be piloted in AY08-09; projects will be required in all introductory half credit courses; and two engineering science courses, one in electrical systems and one in materials were revised to serve a broader audience. In AY07-08, the Task Force will focus on strengthening the leadership components of the curriculum. The work of the Task Force continues to benefit from the guidance and generous financial support of SOE Overseer Jordan Birger (E43).

GRADUATE PROGRAMS

Under Associate Dean Sergio Fantini (BME), in collaboration with the SOE Graduate Committee, a number of initiatives have been undertaken to enhance graduate student recruitment and educational programs. A cross-SOE Graduate Engineering Annual Open House now brings top applicants to campus and a graduate research web page provides visibility for exciting research activities. Additional AY06-07 initiatives include: increasing the minimum stipend for full-time graduate assistants; providing additional resources for graduate students to present their work at scientific/technical conferences; and joining the Massachusetts Consortium of Science, Technology, Engineering, and Math programs and the National GEM Consortium for graduate degrees for minorities in engineering and science. The graduate application pool is beginning to respond to these outreach efforts, with a 10% increase in applications this year. Similarly, we have experienced increases in applications to the Tufts Gordon Institute, which have risen 26% over the past three years. A total of 13 Provost and Dean Fellowships were offered to the strongest PhD applicants in 2007. Of these offers, four were accepted, resulting in a yield of 31% (down from 55% last year). This lower yield is at least partially attributed to the increasingly strong pool of applicants, demonstrated by the fact that the students who rejected our fellowship offers have enrolled in top ten research universities.

This year, the SOE Graduate Committee has reviewed and approved a proposal for a school-wide Master’s program in Biotechnology, which originated with a cross-department ad-hoc committee appointed by the Dean and chaired by Professor David Kaplan (BME). The ad-hoc biotechnology committee will further develop this proposal for formal presentation to the faculty in AY07-08.

INTERDISCIPLINARY RESEARCH

The School of Engineering has experienced significant growth in research activity in the past four years. In FY07, we had 143 active grants with an estimated research expenditure of $6.72M. Although this represents a 25% growth over the last three years, we have seen a leveling off of our research expenditures in FY07. In part, this
outcome reflects the overall poor national climate for federally funded research (particularly NIH) experienced by all of our peer research institutions. Fortunately, however, we can primarily attribute this leveling to the completion of two large grants over the course of the year and the delay in the start of a number of new grants. One hundred seventy proposals were submitted by the SOE faculty this year, representing an increase of 8% over FY06. This encouraging trend not only reflects active involvement of an increasing number of SOE faculty in research but also demonstrates the caliber of our new hires and the success of the interdisciplinary research model. We have a number of large proposals in the pipeline, and anticipate maintaining our current position with regard to research.

Some highlights that reflect success in garnering support and recognition for the identified strategic directions in bioengineering, environmental sustainability, and engineering education are:

**Bioengineering:**

The Advanced Technology Laboratory (ATL) group, housed at the new facilities at 200 Boston Avenue, was awarded $730K from the Keck Foundation for research on flexible robot technology. This project, led by Professors David Kaplan (BME) and Barry Trimmer (Biology), represents a consortium of seven Tufts faculty from five departments in the SOE and A&S. Four of the six participating SOE faculty were hired in the last three years. This project garnered national interest...
attention in a March 27 article in *The New York Times*. Special thanks goes to **Executive Associate Dean Scott Sahagian** for his visionary role in establishing the 200 Boston Avenue facility and in its on-going management. The ATL group also received a $278K grant from the Lufkin Memorial Fund to support the establishment of a microfabrication teaching facility under the direction of **Assistant Professor Robert White (ME)**. **Professor Sergio Fantini (BME)** was awarded $695K from the NIH to work on the development of a new instrument for optical mammography.

**Environmental Sustainability:**

Engineering Overseer **Bob Haber (E79, EG80)** and his wife, **Marcy Haber**, committed to endow the Robert and Marcy Haber Endowed Professorship in Energy Sustainability. This $2M endowed professorship will be the third in the School of Engineering. **Peter Wittich (E83)** and his wife **Denise Wittich**, have established the Peter & Denise Wittich Family Fund for Alternate Energy Research. These two gifts support Tufts’ vision for developing a SOE Center of Environmental Sustainability which will provide the leadership needed to research alternative energy concepts. **Dean Linda Abriola (CEE)** and her research collaborators were awarded the *Strategic Environmental Research and Development Program (SERDP) Project of the Year Award* for their work to provide site managers with site and treatment assessment tools for contaminated subsurface source zones. **WSSS Program** students and faculty continued their collaborative research in Africa, with projects exploring the use of climate forecasting for water management (Burkina Faso) and innovative environmental and human management for schistosomiasis (Ghana) and malaria mitigation (Ethiopia). In 2007, the **Stockholm Environmental Institute (SEI)** relocated its U.S. center on Curtis Ave. to establish close proximity with the School of Engineering and benefit from Tufts’ strength in water research and environmental scholarship. This affiliation will facilitate new collaborations with SOE faculty.

**Engineering Education Innovation:**

Former director of Tufts Gordon Institute, **Arthur W. Winston**, and his former TGI colleagues, Harold S. Goldberg and Jerome E. Levy, were awarded the *National Academy of Engineering 2007 Bernard M. Gordon Prize for Innovation in Engineering and Technology Education*. This $500K prize recognizes their efforts in developing the TGI multi-disciplinary graduate program for engineering professionals who wish to move into technological leadership positions. Tufts’ **Center for Engineering Educational Outreach (CEEO)** is partnering with Tufts’ **Center for the Psychology of Abilities, Competencies and Expertise (PACE)** and Boston College’s Urban Sciences Research and Learning Group on a $998K National Science Foundation grant to work with Boston-area elementary school teachers to test a new curriculum that uses engineering to improve science learning. CEEO is also partnering with LEGO Education, National Instruments, and others to produce a continuum of robotics sets, programming software, sensors, and curricula.
aimed at helping students learn essential science, technology, engineering, and math (STEM) concepts. CEEO’s Student Teacher Outreach Mentorship Program (STOMP) has also advanced, with a new program recently launched at MIT and growth in the STOMP Scholars program. Finally, *Popular Mechanics* magazine recognized Tufts’ *Engineering Psychology Program* as one of the most “cutting-edge science and engineering programs” in the country.

This year, under the leadership of Associate Dean Shafiqul Islam (CEE), SOE initiated a number of programs to improve research proposal support to principal Investigators and allocated some of its discretionary resources to encourage and support the development of new interdisciplinary research and education programs. Through a competitive process, three proposals were selected for funding in AY07-08. All are cross-departmental and two of the three are cross-School initiatives: Interdisciplinary Bioinformatics and Computational Biology Seminar Series; formation of a Systems Faculty Collaborative; and Schlumberger-Tufts Computational and Applied Math Seminar Series.

**Technology Transfer**

A preliminary report suggests that SOE invention disclosures have risen sharply in the past year (from seven in FY06 to 26 in FY07). These figures imply that almost half of all disclosures filed in FY07 by the Tufts Office for Technology Licensing originated with the SOE. Although many of these inventions are in the early development phase, this year BA Logix, Inc. (Boolean Accelerator Logic Systems) was founded as a spin-off company related to research performed by Associate Professor Karen Panetta (ECE). BA Logix, Inc. develops robust and computationally efficient accelerated algorithms for digital systems. The patent-pending technology will be developed and marketed to hardware and software development houses as well as end users. The technology is being further developed by Dr. Panetta and her collaborator here at Tufts through an innovative grant agreement with Allied Minds, a pre-seed investment company that creates partnerships with select universities to fund corporate spin-offs resulting from successful early stage technology research.

**Beyond Boundaries Campaign**

Tufts Beyond Boundaries campaign was publicly launched on November 3rd and the School of Engineering transitioned from the silent to public phase with very aggressive goals of $5.15M in capital gifts and $1.25M as the annual fund gifts for FY07. Through cultivation and stewardship of both prior supporters and a pool of new prospects, goals were met and exceeded as $6,206,848 (121% of goal) and $1,248,510 (100% of goal) were raised, respectively. Some of the significant highlights are outlined at the end of this report.

Several new programs were initiated this year to provide more effective and targeted use of donations to the SOE restricted annual fund. To supplement the Provost’s highly successful Summer Scholars Program, one additional summer scholar per SOE department was funded through the Dean’s Discretionary Fund. Additionally, a Dean’s Grant program was established that allows any student organization or group of students to apply for grants to
support activities that will enhance their education. Dean’s Grants were awarded this year to the “Nerd Girls” program in ECE, for student travel to Ghana (CEE), for a model fuel cell car project (CBE), and to the Tufts chapter of Engineers Without Borders. Annual fund support was also directed to provide baseline funding for the Entrepreneurial Leadership Program and to discretionary resources for the Associate Deans for Research and Graduate Education, as highlighted above.

Two new programs have been developed to honor donors and encourage additional support for our capital giving program. The first is the Engineering Dean’s Inner Circle, which is modeled on a very successful program at the Dental School. Supplementing the Packard Society, the program will further recognize those who donate to the SOE annual fund at a level equaling $100 times their years since graduation or $1,500 for parents and friends. A recognition display for members will be housed in the lobby of Anderson Hall. The second initiative is the Class Bequest Chair program. Volunteers are being sought in each class to help to encourage classmates to become members of the Charles Tufts Society.

**ADMINISTRATION AND INFRASTRUCTURE DEVELOPMENT**

SOE added a new staff position in FY07. Julia Keller (M.A. science journalism, The Johns Hopkins University; B.A. biology, Brown University), was hired as the school’s Communications Specialist to head up all internal and external print and web communications and assist in the development and dissemination of engineering-related news.

Under the leadership of Robin Kahan, the new Engineering Career Services Director, the SOE has improved and expanded its services to students, including workshops, industry speakers, drop-in career advising, annual career and internship fairs, on-campus information sessions and interviews. The most recent data indicate that 79% of undergraduate engineers have had at least one internship. Kahan has also worked with the International Center to offer Curricular Practical Training for non-US citizens to enable them to obtain internship experience without impacting their visa restrictions.

The Engineering Project Development Center in Anderson Hall was selected as the location for the future Center for Scientific Visualization facility at Tufts. Its goal will be to integrate research and education by advancing discovery and understanding, promoting teaching, training, and learning at both the undergraduate and graduate levels. The Tufts Center for Scientific Visualization facility will be a high-resolution (8.8 million pixel) display wall, 14’ wide and 8’ high (12’ deep), offering four times the resolution of current high-definition home systems. The SOE, A&S, and UIT collaborated to provide funding for the construction and remodeling of the space with expected completion in early fall.
Strategic planning is underway for a potential restructuring and/or redefinition of the role of the AS&E Information Technology Services (ITS) group. This planning is being undertaken with the guidance of the VP for Information Technology, Mely Tynan, and the AS&E Director of Computing, Jim Roberts. The planning is particularly timely, in view of the staffing changes and reorganization that are presently occurring in UIT. Preliminary discussions have revealed a consensus that Tufts computing organizations must provide greater support for academic and research computing in the future, since desktop support is now well-established on the Medford campus. To that end, it is proposed to align many of the ITS support staff more closely with academic departments.

**OUTREACH**

Led by Senior Director of Development Steve Witkowski and his top-notch development team, new initiatives are in place to increase the SOE’s visibility and cultivate its alumni and potential donors. This year, as part of the Lyon & Bendheim Alumni Lecture Series hosted by TGI’s Entrepreneurial Leadership Program, both Mara Aspinall, (J83), president of Genzyme Genetics and Kirk Loevner (E79), Chairman and CEO of Epocrates and member of the SOE Board of Overseers, were invited to campus. In November, about 50 alumni, faculty and students met at local engineering firm, Simpson Gumpertz & Heger, for presentations and a panel discussion on engineering education’s relationship to global citizenship.

In February, the School of Engineering hosted an alumni event, in collaboration with the Medical School in Palo Alto, CA, featuring faculty speakers from the two schools. Also in February, former NASA administrator, Dr. Julian Earls delivered the inaugural Dean’s Lecture for the SOE, discussing his career and the importance of diversity in successful organizations.

In March, The Louis Berger Group, Inc. hosted an alumni event in Washington, D.C. which

**DIVERSITY**

A Y06-07 has been a year of re-grouping for the Center for Diversity and Inclusive Leadership in Engineering and Science (DILES) in wake of the departure of Larisa Schelkin, who served as the DILES Director in its first two years. In consultation with the DILES Executive Board and Lisa Coleman, the new Executive Director of the Office of Institutional Diversity, we have decided to hire a Program Manager for DILES, who will work closely with the Executive Board and be directly supervised by Margery Davies, the Director of the Office of Diversity Education and Development for the SOE and A&S. This position has been posted and we hope to have the Program Manager in place by early fall 2007.
featured SOE faculty speaking on environmental research and policy. This year’s second annual engineering Alumni Weekend reception was well-attended by almost 100 alumni.

In May, Lord Alec Broers—a trailblazing nanotechnology researcher and former vice chancellor at the University of Cambridge in the U.K.—gave an inspirational address at the School’s Commencement ceremony.

In AY06-07, under the leadership of its Director of External Communications, Maureen Sakakeeny, the SOE initiated its first engineering eNewsletter. This graphically eye-catching, HTML-based e-mail newsletter was sent to over 4,000 engineering alumni and will be issued three times annually. The SOE has also undertaken the redesign of its main website to conform to campus-wide standards and is designing a uniform template website format for departments. Students from Assistant Professor Caroline Cao’s (ME) ENP120 class conducted a user survey and usability study and worked with a multidisciplinary planning team to draft the new website architecture. The redesigned site launch is anticipated for fall 2007.

Following the new Tufts University branding and visual identity strategies, the SOE has developed a pair of new admissions brochures, in collaboration with the Dean of Admissions Office and Neustadt Creative Marketing. A 10-page search brochure was mailed to high school juniors this spring and a redesigned 30-page engineering ViewBook will be completed by the end of summer. These new materials will be sent to potential engineering applicants to introduce them to engineering at Tufts. We are already experiencing some benefit, attributed to the development of the 2006 AS&E ViewBook and our ongoing collaborative work with the Admissions office; engineering applications increased this year by 8.5%, with top tier applications up by 33%, and enrollment yield increased by 2.2% points to 27.1% for the class of 2011, after many years of flat performance.

### Beyond Boundaries Capital Campaign Highlights

#### New Funds Established
- O’Connor-Birmingham Family Endowed Scholarship Fund
- Monte R. and Jane Haymon Endowed Scholarship Fund
- The Loulakis Family Endowed Scholarship Fund
- Stephen J. & Geraldine R. Ricci Endowed Lectureship Fund
- Peter & Denise Wittich Family Fund for Alternate Energy Research
- M. Leighton Greenough Endowed Fellowship Fund in Electrical Engineering
- Kenneth L. & Debra L Bloom Endowed Scholarship Fund
- CDM Endowed Graduate Fellowship Fund

#### Significant Awards
- W.M. Keck Foundation (Biomimetic Technologies for Robots)
- National Academy of Engineering (Gordon Prize)

#### Significant Planned Gifts
- Edward Colbert, E53
- Richard Lammerding, E58
- Norman Silverman, E58
- Donald Maxwell, E37
- Paul I. Wren, E57

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