The Urban ITS Center: When It Comes to Transportation, All Roads Lead to Poly

Poly Professors
Raman K. Patel ’03 ’05TP
and John C. Falcocchio ’60 ’72CE
Dear Alumni and Friends of Poly:

To move from vision to action and accelerate Polytechnic University's transformation as a new university for a new age, the faculty, staff and administration, including alumni and trustees, convened for two day-long workshops this September and October. We focused our efforts on defining the most effective new programs to turn our vision into reality.

Throughout the University, we are increasingly committed to becoming a dominant technical university that applies education, discovery, and invention to the key problems and opportunities of the world. A preeminent role for Poly means transforming our education, enhancing our research, and applying our insights and discoveries to the world around us. It also means, focusing our efforts on a set of priorities that resonate not only with our capabilities, but also with the marketplace and the needs of society. In collaboration with the faculty and trustees, we have decided that the following three areas—urban systems, health and wellness and the global information economy—will capture the recognition and visibility necessary to make Poly a leader in today’s competitive global marketplace. You can read more about our strategic vision—"The Future of Poly"—at www.poly.edu/president.

I hope you enjoy the new look of Cable! I believe this new design helps create an even more vibrant and compelling publication and I trust you agree. I welcome your comments about the magazine or any other topic (president@poly.edu).

The changes in Cable are part of a University-wide initiative to revitalize our branding, marketing and communication programs, with the explicit goal of opening the eyes of New York and the nation to the Power of PolyThinking. We are already seeing tangible results. For instance, Crown’s New York Business ran a feature article about the resurgence of Poly and The New York Times and Channels 11 and 12 in New York reported on Siemens Science Day at Polytechnic.

Siemens AG is one of the world’s largest electrical engineering and electronics companies with over 70,000 employees in the United States. Last year, we became the host in NYC of Siemens Science Day, an annual event which this year drew over 2,500 energetic and curious young middle-school students and their parents to Poly’s MetroTech campus. I had a delightful conversation with these budding scientists and engineers as they told me what they wanted to invent and I encouraged them to set their sights on a Polytechnic education.

Working together and supporting each other, we can enhance the quality of education, research and invention at Polytechnic University, whether in the sciences, math, engineering, technology management or the humanities and social sciences. As our University enters a new era in its storied history, I know I can count on you for support and counsel. You, our alumni, serve as our ambassadors to the world. You are the beneficiaries of the University’s outstanding science, engineering and technology management programs and you embody “The Power of PolyThinking.”

Now is the time to start—or increase—your participation and support of the University. I invite you to see for yourself the energy, dedication and pursuit of excellence that are hallmarks of Polytechnic today.

Warmest regards,

Jerry
New York City has one of the largest and most complex transportation systems in the world: a combination of roads, subways, bridges, commuter rail, tunnels and city streets that accommodate millions of travelers every day. A breakdown in any given location often sends ripples of delays and backups throughout the system, and those are just normal problems. When you add to the mix the threat of terrorist attacks, you are talking about highly complex engineering and information management decisions that must be made in a very short time.

John C. Falcocchio, ’60 ’72 CE, is a recognized expert in this kind of system management. As executive director of the Urban ITS Center at Polytechnic, a research and training laboratory at the University’s MetroTech campus, his advice is sought on urban transportation management by every level of government. “Here we tend to look at problem solving issues, not just the technology involved, but behavioral, sociological, government and institutional factors,” Falcocchio says. “The Urban ITS program is the interface for all of those concerns to come together. We tend to focus on adaptive solutions by shaping theoretical models to the practical realities of the built environment.”

ITS—intelligent transportation systems—uses information, communications and systems integration in planning and operating urban transportation. With ITS, officials can manage systems smarter and travelers can receive useful timely information faster, for example, avoiding an overturned truck, and attendant backups, on the Brooklyn-Queens Expressway. In the past, managers would set the timing of signals according to static, historical data (like setting signals longer during morning rush hour when traffic was heavier). Using real-time information collected through cameras and other sensors, transportation managers can adjust signals and traffic patterns to accommodate emergencies or increased traffic flow. “Static data isn’t good enough any longer,” according to Falcocchio. “Variations are important. When demand is close to the system’s capacity, any fluctuation will have a tremendous impact on traffic.”

The Urban ITS Center is sponsored jointly by the New York City Department of Transportation, the New York State Department of Transportation and the Federal Highway Administration. According to its associate director, Raman K. Patel ’03 ’05 TP, “Polytechnic is the only university in New York City working with every municipal agency.”

In his 28 years at the New York City Department of Transportation (NYCDOT), Patel was deeply frustrated by not being able to connect with other agencies in coordinating transportation management. “Now Poly brings city, state and federal agencies together,” he says. “The Port Authority of New York and New Jersey, the Metropolitan Transportation Authority—Bridges and Tunnels and the New York Police Department participated with the NYCDOT; the New York City Office of Emergency Management and the New York State Department of Transportation in ‘real-life’ emergency scenarios organized and run by the Urban ITS Center. The tabletop exercises have been a splendid success. In emergency situations, communications between agencies are extremely important. The question of not overcrowding radio frequencies but at the same time allowing everyone to talk to one another is critical. It’s a fine balance to achieve.”

Falcocchio concurs. “When the World Trade Center collapsed, one of the few sources of information officials had were traffic cameras. Those images allowed police and emergency managers a window into what was going on,” he says. “The transportation community—the planners and researchers—have to reach outside the professional community and cross disciplines with police and fire and emergency managers. A cultural change is necessary.”
POLY SUPPORTS FUTURE WOMEN ENGINEERS

Polytechnic and the Urban Assembly have joined forces to develop a new school to encourage girls grades six through 12 to study math, science and engineering. The school—the Urban Assembly Institute of Math and Science for Young Women—opened in September in Brooklyn. In addition to its role as curriculum adviser, the University will also provide professional mentors for the students, academic-technological content and guest lecturers presenting cutting-edge research and development in science, engineering and management.

“It is a thrill to be a partner in this endeavor,” said University President Jerry Hultin. “With the looming shortage of engineers in the U.S., it’s more important than ever before to encourage our youth to study science and math. By recognizing the importance at an early age, hopefully we can encourage more and more students to follow engineering as a career path.”

The Urban Assembly is a non-profit organization dedicated to creating small, public, college-preparatory high schools that provide high-quality education to students who would otherwise attend large, factory-style, under-performing schools.

“It is exciting for Polytechnic University to embrace this new school and encourage young women to develop their leadership skills,” said Noel Kriftcher, executive director of Poly’s David Packard Center for Technology and Educational Alliances and a former superintendent of high schools in New York City. “Although girls have traditionally been underrepresented in science and mathematics studies and careers, these students will be encouraged to participate in scientific activities and be given every opportunity to become technologically literate.”

Over the past nine years, the Urban Assembly has opened 14 schools in areas covering design and construction, music and art, law, government and business. With the help of the Bill and Melinda Gates Foundation, the Urban Assembly will open six more. By combining a rigorous course of study with authentic learning experiences and interactions with outside partners, the schools offer students an academic experience that is challenging and relevant. This unique approach has consistently resulted in student success.

“We are pleased to have Polytechnic University’s support and expertise,” commented Kelly DeMonaco, the institute’s principal, “as we move forward to educate young women in the math, science and engineering subject areas.”

POLY WELCOMES CLASS OF 2010

Challenging the Class of 2010 to chart their own course and be innovative, President Jerry Hultin welcomed the new scholars to Poly at a convocation on the Metrotech campus. “I urge you to gain the skills and the ability to learn throughout your life,” Hultin said. “You are special…you are diverse…and you have the future in your hands.”

Freshman Vinc Skraptis, a Bronx High School of Science graduate, was enthusiastic about studying at Poly. “Poly has an excellent computer science program,” he said. “I was also very impressed with the staff when I visited on open house days.”

Michael Hutmaker, dean of student affairs, encouraged the class to get involved in the University and do research with a faculty member.

“We have high expectations of you and you have high expectations of us,” Hutmaker remarked. “We will educate you to become professionals and PolyThinkers.”

Richard Thorisen ’63 ’67ME, vice president for development and university relations, offered the new students an overview of Poly’s rich history. “For over 150 years, Poly has educated leaders who have changed the world,” he said. “Engineers, inventors, entrepreneurs and three Nobel Prize winners have given rise to The Power of PolyThinking.”

More than 400 new students enjoyed a barbeque following the convocation, and met with school administration, faculty and staff to kick off the new academic year.

President Hultin honored at Congressional Black Caucus symposium

President Jerry Hultin was honored as co-chairman of the NetGeneration of Youth (NGY) during the Congressional Black Caucus (CBC) Education Braintrust 2006 Symposium, Education Partners Ensuring America’s Competitiveness on September 8 and 9. NGY is designed to give student leaders from traditionally underserved communities across America opportunities to serve as cyberjournalists covering the civic events of the CBC, to participate in the Youth Advocacy Workshop and to attend the NGY Mentor/Role Model dinner with national decision makers at the National Education Association headquarters.

The two-day symposium was chaired by Major R. Owens (11th CD NY) and co-sponsored by the Education Technology Think Tank. Congresswoman Owens was presented with the Legacy Congressional Award for his Future-Focused Equity Legacy at a ceremony, which was followed by a gala dinner.

Left: President Hultin and Congressman Owens during the symposium.
Michael Strano: The 2006 Coblentz and a Career That’s Golden

Professor Michael Strano ’97ChE is no stranger to success. In the 10 years since his graduation from Polytechnic, he has earned a doctoral degree summa cum laude from the University of Delaware—graduating first in his class—and performed post-doctoral research at Rice University’s Center for Nanoscale Science and Technology. In 2003, he accepted his current position at the University of Illinois Urbana-Champaign as an assistant professor in the Department of Chemical and Biomolecular Engineering. He will join MIT’s faculty as an associate professor of chemical engineering in late spring of 2007. No small feat for a young scientist still in his thirties.

Not surprisingly, Strano’s stellar career has continued on its meteoric ascent. During his brief professional career, he has earned some of the most coveted awards in his field—10 in the last two years—including the 2005 Presidential Early Career Award, the 2006 Collaboration Success Award from the Council of Chemical Research, the 2006 Benjamin Young Investigator Award and the 2006 Coblentz Award for Molecular Spectroscopy. “Being chosen as the Coblentz Award recipient was a tremendous honor,” said Strano. “I was not trained as a spectroscopist and I was really humbled to be welcomed into a prominent scientific community in this way.”

His work at the University of Illinois finds Strano performing research in a laboratory that bears his name, teaching courses in chemical engineering and thermodynamics and serving as a much sought-after adviser to graduate students and post-doctoral researcher fellows. His career is reminiscent of his experience at Poly.

“The majority of my chemical engineering classes were taught by Professor Walter Zurawsky,” he said. “He was an excellent instructor and mentor and I’ve tried to mimic his teaching style in my own efforts. He encouraged me to attend graduate school. Poly and the chemical engineering department did an excellent job in preparing me for that experience. The Poly education is more rigorous than most and it remains a tremendous asset to me.” He advises his students to look for new opportunities in areas where disciplines intersect, especially in a field like nanotechnology where practitioners need to be open to advanced study across traditional boundaries.

His research focuses on understanding the chemical and physical interactions that govern the manipulation of nanotube and nanoparticle systems for desired applications. Strano experienced some success in recent years in inventing and constructing a near infrared biomedical glucose sensor that can be queried with a near infrared light. He has also pioneered applications of nanotechnology in the biological sciences and contributed to the optical spectroscopy and surface chemistry of nanoparticle systems. His work brings an unbridled enthusiasm to his work and continues to be fascinated and driven by the process of invention.

“Like taking an idea, shaping it and creating real devices and objects,” said Strano. “I also enjoy the process of discovery in science. When you uncover new phenomena in the laboratory for the first time or learn something new, it is exhilarating… and completely addictive.”

PolyThinking

Professor Michael Strano and Esther Jeng, a graduate research assistant, investigate DNA-wrapped nanotubes.

Dr. Michael Strano will deliver a lecture on “The Chemistry of Single-Walled Carbon Nanotubes” on Friday, February 9, 2007 at 10:30 a.m. on the Brooklyn campus, Six MetroTech Center. For information, please contact Carmen Villafane-Nieves, Chemical and Biological Engineering, at (718) 260-3344.
Polytechnic University was featured in more than 600 media outlets during the months of June through October. This included local and national newspapers and magazines, local and syndicated radio, television and the Internet.

- *Crain’s New York Business* published a feature story on the dynamic transformation of Poly under the new leadership of President Jerry Hultin. The article highlighted the new leadership team at the University as well as the president’s vision and growing leadership role in the community in the October 16th issue of the paper.

- On October 20, *The New York Times* featured a story about Poly’s collaboration with the Siemens AG in hosting the second annual Siemens Science Day at Poly. In addition, CW 11 Television in New York also featured Poly and Siemens AG on the morning news. “Foobie,” Poly’s robot, joined broadcaster Linda Church to talk about the event and to do the weather forecast. Channel 9 television in New York also reported about Siemens Science Day at Poly.

- The University’s Magnetic Levitation Transport Research Center (MAGLEV), under the leadership of Professor Fletcher H. (Bud) Griffis, received broad national media coverage in June. Research team members James Jordan and James Powell penned an Op-Ed article in the *Washington Post* arguing that ethanol is not a cure-all for the nation’s energy problems. The Associated Press picked up the story and it appeared in more than 150 publications across the country. Jordan and Powell were also featured on National Public Radio.

- Richard Wener, chair of the Department of Humanities and Social Sciences, was interviewed on *CBS News Radio* about his research on computer stress. Professor Wener also authored an Op-Ed piece about the issue of computer stress for the *Star Ledger*, New Jersey’s largest daily newspaper.

- *Time Out New York* magazine profiled Poly’s specialized degree programs in engineering, science and technology in its August issue. The magazine noted the University’s unique programs in management of technology at the master’s level, including e-business, financial services, biopharma, retailing and media and entertainment.

- The Fifth Global Congress on Education Engineering, a collaborative forum between Polytechnic and the UNESCO Center for International Education, took place in July at the University and was featured in *Education Update* and the *Brooklyn Daily Eagle*. The Congress drew educators from around the world to Poly’s MetroTech campus.

- In the spring, *Financial Engineering News* hailed Poly’s financial engineering program as one of the most innovative in the nation. The article noted that “Perhaps no program in our survey has more happening in terms of change and innovation than Polytechnic University.”

"Polytechnic is the premier research institution in NYC...

—Mayor Michael Bloomberg, City of NY"
By all accounts, Polytechnic’s 29th Annual Career Fair on October 18 was a resounding success with over 70 companies representing the engineering, science, financial services, energy, construction, media, defense and electronics industries. The fair is sponsored by Polytechnic’s Office of Career Services, the National Society of Black Engineers and the Society of Hispanic Professional Engineers. The event is a valuable recruitment resource for employers who are seeking full-time, part-time, internship and co-op positions, and an introduction into the professional work place for many of the students who attend.

Student Orientation Camp

Above: Over 175 new students, student leaders, faculty and staff enjoyed the New Student Camp Experience at Camp Timberlake West in Roscoe, NY. The overnight camp offered team sports competitions, electronic pinball games, pool, swimming, arts and crafts and live entertainment.

Halloween Spookfest on 3

Left: Things got a little scary on the third floor of Jacobs Administration Building on Halloween. Staff members from HEOP and Academic Success donned costumes and treated their colleagues to a tour of the haunted house before sending them off with a good laugh and bags of candy.

Career Fair ’06

Right: By all accounts, Polytechnic’s 29th Annual Career Fair on October 18 was a resounding success with over 70 companies representing the engineering, science, financial services, energy, construction, media, defense and electronics industries. The fair is sponsored by Polytechnic’s Office of Career Services, the National Society of Black Engineers and the Society of Hispanic Professional Engineers. The event is a valuable recruitment resource for employers who are seeking full-time, part-time, internship and co-op positions, and an introduction into the professional work place for many of the students who attend.

Branding Campaign Gives Poly A New Look!

Above: After launching a successful print ad campaign, Poly established a high-visibility presence in the Jay Street MTA station with “You’re a few steps away,” and on MetroTech Commons where the brand statement “Discover the Power of PolyThinking” wraps the Jacobs and Rogers buildings.

Movin’ In Day

For left: The rain didn’t put a damper on the excitement of Movin’ In Day on August 28 for Michael Conaty ’10CS or his family members who helped him get settled in the Othmer Residence Hall.

The Future of Poly: Summit Phase Two

Left and below: Phase Two of Poly’s Appreciative Inquiry Summit was held on October 6th at the MetroTech campus. Staff, faculty and administration shared their ideas for the future of Poly and three teams explored their preliminary findings in three key areas: the NC3MA group explored ways to involve outside organizations in departmental research; the Urban Systems group introduced ideas to address issues and solve problems common in urban areas; and the Health and Wellness group explored a proposal for a Center for Bioengineering and Biotechnology at Poly. Phase One of the summit was held on September 8 and launched a university-wide initiative to improve operating procedures and expand project development.
Polytechnic has a proud tradition of offering a rigorous, quality education to some of the best and the brightest young intellects in the country. Gifts to the Polytechnic scholarship funds play an important role in helping these young men and women reach their highest academic and professional achievement. Your generosity ensures that all deserving Polytechnic students receive the quality education they desire. Your gift is truly an investment in the leaders of the future. Making a scholarship donation to the University is a great way to show your support for the University and allows the next generation of PolyThinkers to achieve their own American Dream.

Polytechnic 100

The Polytechnic 100 scholarships are prestigious awards given annually to highly motivated students with financial need. To become a member of the Polytechnic 100 and support these scholarships, you must contribute a minimum of $10,000 per year for five years. Each year a donor engraves a name on a large wooden abacus located in the Bern Dibner Library of Science and Technology. Members who renew their commitment for an additional $50,000 have a torch engraved next to their name, which signifies their belief in lighting the path toward the American Dream. Donors also are invited to attend an annual reception and dinner where they meet the University president and the students whose education they have helped to fund.

Special Scholarship Fund

An annual donation of $2,500 or more will create a named scholarship to support Polytechnic students who need financial aid. A $25,000 donation creates a short-term endowed scholarship, with awards ranging from $3,000 to $12,000 for as long as the gift sustains it. A gift of $100,000 or more creates a permanent endowed scholarship that will support students throughout the lifetime of Polytechnic.

Scholarships may be named after the donor or someone they wish to honor, such as a family member, faculty member or mentor. The University will ensure that the scholarship is awarded to a student fitting the scholar’s criteria. Recipients are encouraged to write to the donors and meet with them, if possible.

To learn more about becoming a member of the Polytechnic 100 or creating a named scholarship, contact Craig Purinton, executive director of development, at (718) 260-3375 or e-mail him at purinton@poly.edu.

Supporting the Polytechnic Fund

Each fall, Polytechnic alumni are asked to support the Polytechnic Fund. Throughout the years, many of you have given generously to the fund and the University is grateful for your support. This issue of Polytechnic contains a solicitation envelope for giving to the University. Before you put it aside, let me tell you about the services your gift provides and why there are some very important reasons you may want to consider returning the solicitation envelope with your gift today.

Provide Financial Support: The Polytechnic Fund provides annual support for financial aid, laboratory equipment and supplies, student services, and facilities operation. It helps to defray the costs between student tuition and what it cost to run the University.

Support to the Polytechnic Fund also improves the services and programs offered to alumni. In the past fiscal year, the most common gift amount was $100 and the average gift was $189.

Improve Polytechnic’s Rankings: Alumni giving accounts for 5 percent of the total ranking in U.S. News and World Report. Your gift to the Polytechnic Fund is the only variable in the ranking that is directly controlled by you. An increase in the number of alumni who give to Poly can improve our overall score—regardless of the size of the gift.

Show Your Commitment to Science, Technology, Engineering and Science Education: Your gift to the Polytechnic Fund is an important vote of confidence for the rigorous, quality education Poly offers its students and for the innumerable technological innovations our alumni continue to make in the world today.

Reward Yourself: Gifts to Polytechnic are considered charitable contributions and may be tax-deductible. In some instances, using your credit card to make a donation can help you accumulate points in your rewards program. Ultimately, the most important reward is knowing your support has the power to change lives and shape the future.

Constandina “Guzi” Strakos ’77CE
Vice President, POLYTECHNIC ALUMNI
Chairman, Polytechnic Fund Committee

New contributors in fiscal year 2006 to the Special Named Scholarship of $2,500 or more and Named Endowment Funds include:

- Michael R. Beltran ’82
- Daniel H. Barry ’74
- Franklin H. Blecher ’49 ’50 ’55
- Anna Mary Brown
- George Bugliarello
- George Y. Chu ’70
- Judith I. Cohen-Blecher
- Theodore A. Dubitzky ’65
- William L. Friend ’56 Hon ’05
- Herbert L. Henkel ’70 ’72
- Charles J. Hinkaty ’70 ’72
- Elva Hudtwalker
- J. Lawrence Katz ’50 ’51 ’57
- Irving Kuntz ’50 ’55
- Bernard S. Lee ’56 ’60
- Dorothy Lemelson
- Stephen L. Levy
- Helen T. Lowe
- Louis Lowenstein
- Dean M. Macomber
- Joseph Milgram
- Frederic M. Oran ’54 ’57
- Richard Sbaschnig ’69
- Paul J. Schwannerflug ’54
- Daniel J. Shea ’90
- Irving Tashick ’53 ’58

Contributors in fiscal year 2006 to our Special Named Scholarship of $2,500 or more and Named Endowment Funds include:

- Ariva D. Budd
- Benjamin K. Chang ’53
- Robert D. Dalziel ’56
- William T. Golden Hon ’75
- Enna F. Harper ’45
- Leela B. Heckman ’82
- Michael E. Hora
- Larry W. Katz ’58
- Leon Levy ’49
- Joseph G. Lombardino ’58
- Arthur C. Martinez ’60
- David M. Schweiger ’74 ’76
- Leonard J. Shustek ’70 ’70
- Sidney J. Stein ’66 ’71
- Martin H. Tillingar ’65 ’65 ’76
- David I. J. Wang
Reunion News

Golden Jubilee – Class of ’57
Planning is underway for the 50th Reunion of the Class of ’57, which will be held on Poly’s MetroTech campus on June 2 and 3, 2007. Classmates are urged to save the dates and watch for more information. If you are interested in helping to plan the festivities, please contact the Office of Alumni Relations at (718) 260-3885 or by e-mail alumni@poly.edu.

Reunion for the Class of ’52
Members of the Class of ’52 are being surveyed regarding their willingness to hold a 55th reunion this spring in New York City. If you are interested in helping to plan the event, please contact Class of ’52 Section President Naz Simoniello by e-mail at naz@ieee.org or call or e-mail the Office of Alumni Relations at (718) 260-3885 or alumni@poly.edu.

LETTER FROM THE ALUMNI PRESIDENT

I visited the MetroTech campus in September during the first week of classes and was amazed at how Poly Pride seemed to energize the students—especially those in the freshman class. Just about everywhere I looked, students were wearing Polytechnic sweatshirts and talking about how much they were looking forward to really becoming immersed in the Poly experience—educational as well as social. I happened to see the first issue of The Polytechnic Reporter while I was in the Regina Student Lounge. I was very impressed with the quality of the writing by student editors and contributors and by the content.

As alumni, we remember our experiences at Poly—especially those outside of the classroom—where we bonded with fellow students, some of whom would become lifelong friends. Nearly all of us were active in a student-run organization, an honor society, one or more varsity sports teams and a social or service fraternity. Our active involvement in these groups made life at Poly fun and laid the groundwork for some very happy memories.

Funding was a crucial issue for the various student organizations. Allocations from the dean of students office, alumni, or other sources sometimes made all the difference between whether we sent two students to a nationwide conference or nobody at all, bought new sports equipment or made do with the old, and served lunch during a group meeting or ended the meeting early to allow students to have lunch before their next class.

The Polytechnic Alumni Association realizes the importance of funding in sustaining viable student-run organizations and we are eager and willing to provide the necessary financial support. To demonstrate our commitment to student organizations, the Polytechnic Alumni proposed and overwhelmingly approved the Polytechnic Alumni Student Life Grant Program. Under the grant program, the Polytechnic Alumni will set aside funds of up to $1,000 per student organization to support proposals from student groups. In addition to providing financial support, the program will strengthen the bonds between students and the alumni association.

George Likourezos
President, POLYTECHNIC ALUMNI

PASSENGER

George Bachman, Distinguished Adviser to PhD Students, Dies at 72

George Bachman, professor emeritus of mathematics and beloved adviser to Poly doctoral students, died on September 2, 2006 at the age of 72. He is survived by his wife, Joan.


Bachman received his bachelor’s, master’s and doctoral degrees from New York University in 1952, 1954 and 1956, respectively. He was a member of Sigma Xi and the American Mathematical Society, the Mathematical Association of America, the Societe Mathematique de France and Canadian Mathematical Congress. He was listed in Who’s Who in America and was the recipient of Polytechnic’s Distinguished Teaching Award in 1974 and the Distinguished Research Award from Sigma Xi in 1982.

During his tenure he earned the reputation of being knowledgeable and patient as he directed 60 doctoral students in their thesis preparation. Upon learning of his death, several of his former students and colleagues reminisced about his special approach to education. Some of their comments follow:

“His encouragement and belief in me prepared me for my career in education and research...and transformed me scholastically. He was a friend and a teacher of life.”
—Dr. Eva Chan ’91, director of institutional research

IN MEMORIAM

Frank P. Romarow 30 ’33
John B. Frost 35
Robert L. Beer 31
John J. Pitha 41 ’45
Robert O. Grundmann 33
Frederick E. Steacy 34
Elio L. Scala 38
Robert E. Staehle 38

Peter Kunick 49
Otto S. Kauder 49
Rocco M. Mancini 49
Howard E. Rice 49
Henry Kaerner 50
Joseph D. Colgan 51
Joseph J. Caughlin 51
James P. Rahilly 51

Herbert G. Luther ’51
Irwin S. Sclissman ’51
James B. Sullivan ’59
Kurt Hillman ’60
Manfred H. Brandt ’71
Larry A. Karas ’75 ’77
George Bachman - Faculty
Anthony V. Risi - Faculty
Announcement of Graduates of the College of Engineering and Applied Science - Class of 2006

Class Notes

Class years are determined by the year of the Office of the Registrar certifying the granting of the degree. Alumni receiving multiple degrees from Polytechnic are listed under the first graduating degree only.

Robert Newlander '70OR is retired and living in Sun City, Georgetown, Texas. He would like to hear from former members of NASA's Apollo Space Program. Please contact him at Robert.Newlander@AOL.com.

Neil Gefsky '70AE '72ME is the vice president for federal and military programs at Enviro Inc. and lives in Manhattan Beach, California.

Michael K. Friedman '71ChE, co-CEO of JMR and Computer World, opened the JMR Express Shop in the cellar of Mary's flagship store in Herald Square in New York City. It is JMR's first branch location.

Joseph A. Castellano '72ChE and wife, Marlene Parrish, live in Pittsburg. His web site is www.robertwboko.com.

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Honors College Goes with the Flow

Early in the semester, students from every class in the Honors College enjoyed a day of white-water rafting in Warrensburg, NY.

UPCOMING EVENTS

Monday, December 11, 2006
Northern California Alumni Reception
Mountain View, Calif.

Thursday, February 15, 2007
National Engineer’s Week Dinner and Lecture
Brooklyn, NY

Reunions for the Classes of ’67, ’77, ’82, ’87 and ’97
Classmates who are celebrating their 40th, 30th, 25th, 20th and 10th anniversaries of their graduation are invited to participate in planning the celebrations for their classes. This year, reunion celebrations will be held in conjunction with the Annual Meeting of the Polytechnic Alumni on Sunday, May 20. If you would like to join the reunion planning committee, please contact the Office of Alumni Relations at (718) 260-3885 or by e-mail alumni@poly.edu.

For information on events listed here, visit www.poly.edu/alumni “Events.”