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Polytechnic Institute of New York University is a 501(c)(3) charitable organization.
To the NYU-Poly Community:

I am writing today to address your concerns about the effects of the global economic downturn on NYU-Poly. The decline in stock market values, the subprime mortgage crisis, the credit crunch, and the rising unemployment rate have affected many of us on a personal level. Not unexpectedly, these issues have also had a negative impact on NYU-Poly. Yet, I would note at the outset that during our distinguished 154-history, we have weathered a number of economic crises that did not prevent us from achieving our mission to educate and inspire future inventors, innovators, and entrepreneurs. Today, we are well-positioned to weather this current economic storm and, I am convinced that if we all work together effectively, we will achieve new excellence and gain new ground during the present economic downturn. Indeed, we are taking proactive steps to ensure that we preserve the academic momentum we have gained during the recent years.

The decline in the value of the equity market has taken a toll on our endowment. Due to this decline, as well as the Board-authorized withdrawal of funds for operations, the market value of our investments in our endowment has decreased by 33% of its value over the past 18 months. The S&P decreased 58% over the same period. While the market regained some of its value in the past month, this will not be sufficient to restore our endowment to its historic levels, and we project that at the end of our current fiscal year (June 30, 2009) the value of our endowment will be $87 million. However, our operating results have been positive this year. Because we controlled our expenses, increased our graduate enrollment over 34% in the fall semester, and improved our retention rates, we will end FY2009 (June 30, 2009) with a modest operating surplus.

In light of the persistence of the economic downturn, our FY2010 budget will be built on conservative revenue and expense assumptions. Fortunately, we are currently on target to meet our enrollment goals for the fall of 2009, with more than 2400 undergraduate applications received (an increase of 696 applications over Fall 2008) and over 3500 graduate applications received. To assure a sufficient number of these applicants convert to tuition-paying students, members of the faculty and admissions staff are closely engaged with our undergraduate and graduate student applicants. Based on our projections for fall enrollments combined with our improved retention rates (83% among undergraduates and 78% among graduate students), we believe in FY2010 that we will be able to compensate for the projected reduction in financial support from our endowment.

This fall, the positive impact of our strategic affiliation with New York University will be even more evident. Our affiliation with NYU has already increased our visibility among strong applicants nationally and internationally. Furthermore, as partners with NYU, we have seen a significant increase in new research awards including $7.2 million from the National Science Foundation to establish a Materials Research Science and Engineering Center, $3 million from the Microsoft Corporation to develop a “Games for Learning” Institute, and $1.5 million from the New York State Energy Research and Development Authority for the creation of a clean technology business incubator.

This winter, based on funding included in the affiliation agreement with NYU, we awarded the first 15 in a five-year, $5,000,000 series of research collaboration grants between NYU and Poly faculty members. The research ventures in this initial competition, totaling over $800,000, include a wide range of scientific inquiries, including research projects on environmentally driven changes in protein structure, the prevention of epileptic seizures, and security and privacy concerns in today’s technology-driven world.

Finally, even though these are tough times, we are commencing a number of positive steps to maintain our academic momentum. Starting this spring, using the major funds provided in our affiliation agreement with NYU, we will begin to recruit and hire new faculty members and start to design and construct major improvements to our facilities. To assure we make smart decisions, both faculty and staff will be engaged in the planning and decision process for both of these activities. Our goal in hiring new faculty and improving our facilities is to increase our capacity to deliver excellent education and research based on our focus on invention, innovation, and entrepreneurship (i.e).

In closing, I believe we will successfully navigate the economic downturn for three reasons: first, our strong enrollment growth and disciplined control of expenses; second, the benefits we are deriving from our new affiliation with NYU; and third, your continued creativity in developing new programs and improving existing programs.

Thank you for your continued support of this great institution and I look forward to working with you to meet our current challenges and capture our new opportunities.

Sincerely,

Jerry M. Hultin
President
“As I contemplate my degree from Polytechnic... I recognize that this has a far higher value today than it ever had before. I have had a good profit in that degree and I'm trying this year to make some payment on a debt of honor.”

—Colonel Willard T. Chevalier
early 50 years ago, Colonel Willard T. Chevalier ’10CE became Polytechnic’s first $1 million donor. The Institute celebrated Chevalier’s memory by honoring a group of donors who have matched or exceeded his commitment to NYU-Poly in their generous funding and active support at an inductee ceremony on March 18.

NYU-Poly President Jerry M. Hultin welcomed Michael and Emilie Corey, William and Mary Kay Friend, The Jacobs Family, Northrop Grumman, Pfizer, and Verizon to the Chevalier Society, applauding their contributions and dedication. Below are excerpts from his remarks:

“As we continue on our new path at NYU-Poly, it is fitting that we take a moment to pause and reflect on the many accomplishments of our past that have helped to elevate our institution to its high standing in the global marketplace.

If we think about our alumni, we see the giants of engineering, science, and business who have helped build communities, tackle many of society’s most pressing problems, lead multi-billion dollar companies, and even in a couple of instances, fly into space. Many of those people are in this very room this evening.

And now, in 2009, as we look to the future of NYU-Poly, we see nothing less than the same potential for accomplishments in shaping a more viable society. There are new areas of focus including urban sustainability, ever-expanding information technology, and enhanced medical and healthcare resources and we look to a new model for responding to these challenges—driven by a powerful triad—invention, innovation, and entrepreneurship, or i2e as we call it.

As we commemorate our 155th anniversary, we continue to build upon our outstanding history, while at the same time, charting a new course of invention, innovation, and entrepreneurship that is made possible by your loyal and dedicated support.”

For more information about the Chevalier Society, please visit www.poly.edu/chevalier.
FOR 21 YEARS, POLY ALUMNI AND FRIENDS HAVE HELPED TO FULFILL A PROMISE

Please join us in this important legacy.

Since 1988, the Promise Scholarship Fund has provided financial assistance to over 2,000 bright, young students. Most scholarship recipients are from minority groups, are immigrants, or are the first in their families to attend college. Almost half are women, a traditionally underrepresented group in science and engineering. The fund also underwrites Polytechnic’s educational outreach programs to inner-city youth, which encourage talented elementary, middle, and high school students to pursue careers in science and engineering.

Help us strengthen our Polytechnic identity as we evolve and create new partnerships that will benefit New York City and the world. We hope we can count on your support.

$25,000 = ONE full PROMISE SCHOLARSHIP
$10,000 = A partial PROMISE SCHOLARSHIP
$5,000 and below = Support of the Promise Fund

Call (718) 260-3982 for more information on how to make a gift to the Promise Scholarship Fund or visit www.poly.edu/donate.

Save the Date

21ST ANNIVERSARY PROMISE FUND RECEPTION*

Thursday, May 21, 2009
6:30 PM
The Jumeirah Essex House Hotel
160 Central Park South
New York, New York

*For donors of $500 or more
Nassim Nicholas Taleb, author of the national bestseller *The Black Swan*, joined Polytechnic Institute of NYU as the Distinguished Professor of Risk Engineering in fall 2008. He is currently teaching a graduate course in Model Error. Taleb spent 20 years as a derivatives trader and quantitative analyst who applies sophisticated math to risk management before starting a full-time career as a scholar of risk and applied probability. He is known for a multidisciplinary approach to model error and the role of high-impact rare events, or "black swans," which he wrote about in *The Black Swan: The Impact of the Highly Improbable*, the world’s bestselling essay in 2007 and 2008.

Taleb is currently co-director of the Decision Science Laboratory at the London Business School, focusing on errors in the estimation of remote events. He was the dean’s professor in the Sciences of Uncertainty at the University of Massachusetts at Amherst and, for eight years, taught derivatives model errors at the Courant Institute of New York University.

What caused the current economic crisis?
NT: If you go to my website (www.fooledbyrandomness.com), you’ll see something from *The Black Swan*. The risk management system by banks is defective because it doesn’t take into account the possibility of storms. So, if you have a pilot who’s unaware of the possibility of storms, what’s going to happen to the plane? It will crash, no? That’s exactly what happened. What happened was a crash caused by a lack of foresight, spurious measurements by financial institutions, complex financial instruments that few understood, and economic variables at all levels, from asset prices to housing prices.

What are your recommendations to prevent this type of economic turmoil from happening in the future?
NT: I’m an activist and I am on a mission to “robustify” society against what I call black swans. First and foremost, a complex financial system cannot tolerate debt. So you have to make sure that debt levels are lower than you would otherwise have them because debt doesn’t allow someone to make mistakes. And mistakes in a complex environment can be very costly.

What is your opinion about the economic stimulus package enacted by Congress to spur growth in the economy?
NT: I have no idea about the economic stimulus package. I think that the gentlemen in charge today were flying the plane when it crashed, and they still use the same people. I’m very surprised. I think they’re going to fail and eventually they will be replaced. They (the federal government and regulatory agencies) let the banks fail late. They should have let them fail early, in ’82, ’83, in ’91, ’92. They did not let Citibank and all these banks fail then so we’re paying the price, you and I, as taxpayers. The other problem is...
that nobody realized that we’re in a complex system and we need much more drastic measures to remedy the situation, namely reduce debt. Now they’re trying to help people borrow more and not punish people who made mistakes.

The whole issue of bailouts for the auto and banking industries has garnered much debate. Your take on this.

NT: I’m against bailouts in principle because I think they disfavor the poor. The restaurant owner is not going to be bailed out, why should we bail out Merrill Lynch and pay $200 million in bonuses? These bailouts are compensation for managers at huge corporations who are smart enough to know they are too big to fail. That is horrendous.

What do you think about government financial assistance to private industry?

NT: I’m against it at all levels for one reason: I’d rather have nationalization than moral hazard. Because the people the government are assisting, companies like Citibank, American International Group (AIG), Merrill Lynch, or GM, the managers made hundreds of millions of dollars in bonuses. Capitalism should work with incentives, but incentives should not come free without “disincentives.” The restaurant owners have “disincentives,” but these managers at financial institutions and the auto industry had no disincentive in failing. They win, heads or tails, we lose. It should work a different way; they should lose part of their past bonuses.

Are you enjoying teaching at NYU-Poly?

NT: I like the atmosphere here and I’m interested in the research. We’re thinking about building a unit that focuses on robust risk management. Risk management that is vastly more engineering style than what the banks had. Hopefully, we’ll tell people let’s be a little less mathematical and a little more practical, more robust in the way we do things.

Elizabeth Dianne Rekow Named Provost Will Direct NYU-Poly’s i²e Initiative

Elizabeth Dianne Rekow was named provost of Polytechnic Institute of New York University on March 11, 2009. In this capacity, she has responsibility for faculty recruitment, curriculum development with particular regard for the demands of the 21st century, enhancing research and increasing funding and establishing technology commercialization which supports Polytechnic’s commitment to i²e—invention, innovation and entrepreneurship.

As senior vice-provost of engineering and technology at New York University, Rekow was NYU’s representative and principal liaison in the affiliation and merger discussions between Polytechnic and NYU. She also develops research collaborations among the faculty of NYU schools, particularly those collaborations that result in grant proposals for centers of science and engineering. She oversees the planning and development of the engineering program in Abu Dhabi and in NYU’s expansion as a Global Network University. Rekow will continue in this position in addition to her new appointment at Polytechnic.

Rekow is exceptionally qualified for her position as Provost of NYU-Poly. She has a PhD in Biomedical Engineering, a DDS (Doctor of Dental Surgery), a master’s in mechanical engineering, a bachelor’s in mechanical engineering, physics and math, and an MBA. A prolific author and recipient of research awards, Rekow holds six patents and serves on numerous international and professional organizations.

NYU-Poly Top Administrators Visit India and Global Network University in Abu Dhabi

President Jerry M. Hultin and members of the administration and faculty traveled to India and Abu Dhabi in January to meet with alumni and educational institution leaders and to visit the birthplace of Polytechnic Institute of NYU’s new home in New York University’s Global Network University. In India, the group hosted an alumni reception in Mumbai, visited the Indian School of Business and the high-tech corridor in Hyderabad, and met with education partners in Noida. President Hultin, left, toured the business incubator at Amity University with its director, Deepti Gupta, center, and alumnus Sunil Kanugolu ’07FE.

New York University’s Abu Dhabi campus will be the first comprehensive liberal arts and science campus in the Middle East to be operated abroad by a major American research university. Polytechnic will help to develop and run the school’s engineering program. For more information, please visit www.poly.edu/news/fullNews.php?id=1496.
Welcome to the world of virtual space!

More than 200 people, an eclectic mix of artists, academics, students and community members, attended the gala premiere of Building_Space_with_Words, an innovative, interactive multimedia art installation on NYU-Poly’s MetroTech campus.

The work is a thought-provoking, metaphorical reflection on virtual space by Anne-Laure Fayard, a social scientist and assistant professor of management at Poly, and Aileen Wilson, associate professor of art and design education at Pratt Institute. The exhibit used the language of art and digital media technologies to deepen our understanding of how space, both physical and virtual, shapes our personal interactions and how our interactions shape space.

“Public spaces have been extended,” Fayard noted. “They have become more than a physical location (such as a park or a coffee shop) where people congregate and interact with one another; they now include virtual spaces.” Fayard adds that with so many people “online” and with so many technologies available for people to interact with one another from anywhere around the globe—e-mail, Skype, Facebook, Twitter and blogging—what constitutes a public space is challenged.

The installation aimed to materialize our online interactions and explored at different levels the interactions between the physical and virtual realms. The physical component of the installation was a maze of semi-transparent panels onto which digital text was projected—enveloping the visitor and creating the feeling of “being in communication” and “living in language.” A sound track, composed of sounds heard in both public and virtual spaces (e.g., clicks and typing) and of voices talking in many different languages mirrored the projected texts creating a space of its own, and surrounding the visitor in a space of spoken text. The projected text was taken from the Building_Space_with_Words blog (visit www.poly.edu/bsww) as well as created by visitors who were posting “live” on the blog, and thus building the space with their own words.

“This particular installation is fascinating because it offers cross disciplinary conversation,” said Brooklyn artist Leslie Alfin. “Artists, scientists, architects, designers and sociologists contribute new points of view and opinions every day about physical and virtual space.”

Building_Space_with_Words opened on March 5 and ran through March 27. Support for Building_Space_with_Words was generously provided by Phillips Lytle LLP, L.F. O’Connell Associates, Downtown Brooklyn Partnership, NYU-Poly’s Brooklyn Experimental Media Center, Agent 16, and media partner Seed Magazine (www.seedmagazine.com).

The artists, Aileen Wilson, left, and Anne-Laure Fayard.
Mayor Bloomberg Announces New NYU-Poly Business Incubator

Mayor Michael Bloomberg announced at a press conference on February 18 the joint creation between Polytechnic Institute of NYU and the City of a business incubator that will nurture innovative startups, supply jobs, and tap into the entrepreneurial spirit that built New York City.

The NYU-Poly incubator is one of 11 initiatives the Mayor outlined that have been designed to support New York City’s financial services sector and encourage entrepreneurship in the wake of the financial meltdown.

“We are taking aggressive steps to put the City in the best position to capture growth, and we’re doing it by promoting one thing more than any other: innovation,” the Mayor said. “New York City’s greatest strength has always been and will continue to be the innovation, drive, and work ethic of New Yorkers. Time and time again, history has shown that our City rewards those who have the courage to pursue their dreams and launch new ideas.”

NYU-Poly President Jerry M. Hultin spoke after the Mayor, reminding the audience of Polytechnic’s long history of preparing and inspiring ambitious, forward-thinking entrepreneurs.

President Hultin highlighted Polytechnic graduates Eugene Kleiner ’48ME Hon’89 whose company, Fairchild Semiconductor, set off Silicon Valley’s high-tech boom; Paul Soros ’50ME Hon’05 whose firm encouraged global trade by engineering ports in 90 countries; and Jerome Lemelson ’47 49AA Hon’95—the second most prolific inventor of the 20th century—who held 550 patents.

“As one of the oldest and most innovative educational organizations in New York City, NYU-Poly is committed to using applied science and technology to create new services, companies, and jobs in this time of economic distress,” said President Hultin.

“We are pleased to join with Mayor Bloomberg in this new effort to stimulate invention, innovation, and entrepreneurship in New York City. This new, expanded ‘center of innovation’ in Manhattan allows NYU-Poly to significantly expand our program of teaching 21st century skills and helping entrepreneurs realize their dreams.”

New York University Provost David McLaughlin, Deputy Mayor for Economic Development Robert C. Lieber, Economic Development Corporation (NYCEDC) President Seth W. Pinsky, and Small Business Services Commissioner Robert W. Walsh also joined the Mayor at the press conference. Trinity Real Estate President Carl Weisbrod, who was also at the event, and whose company is contributing the space for a period of three years said, “Trinity is pleased to contribute this space and to partner with the City and NYU-Poly on this important incubator initiative.”

The NYU-Poly incubator sharply reduces one of the biggest impediments to starting a small business: NYC’s high commercial rental rates. One hundred entrepreneurs will be able to sublease ready-to-use office space through NYU-Poly for well below market rates (monthly rent starts at $200).

It’s hoped that the 16,000 square feet of prime TriBeCa office space located at 160 Varick Street will be the launching pad for the next Google, YouTube, or even the Mayor’s company, Bloomberg LP.

The Varick Street incubator will be NYU-Poly’s second such venture in New York City. It created its first start-up incubator, The Brooklyn Enterprise on Science and Technology (BEST), led by Bruce Niswander, on its Brooklyn campus in 2004. BEST provides its tenants with mentoring services, business seminars, and networking opportunities. Bloomberg LP and Thomson Reuters will provide data feeds at the Varick Street incubator at no cost.
Leaders in business and government seldom leave meetings these days feeling optimistic. That wasn’t the case, however, at Polytechnic Institute of NYU’s Third Annual Leadership Forum and Innovation Think Tank on March 13. The overwhelming sentiment of the forum was that ever-resilient New York City will capitalize on its strengths to survive the current economic crisis—and potentially emerge even stronger.

NYU-Poly President Jerry M. Hultin led over 150 participants from academia, business, government, and NGOs in the forum, which featured remarks from influential industry, academic, and business figures:

- Joe Chan, president, Downtown Brooklyn Partnership;
- Maria Gotsch, president and CEO, New York City Investment Fund; and
- Steven Strauss, executive vice president, New York City Economic Development Corporation.

The speakers shared their thoughts on why we should be optimistic about NYC’s future. Frequently cited reasons included the opportunity to build world-class infrastructure, industries such as biotech emerging in NYC, a diversification of downtown Brooklyn-based companies, and the city’s efforts to encourage entrepreneurship, particularly its involvement with NYU-Poly’s new Manhattan business incubator and NYC Seed, a fund housed at Polytechnic for tech start-ups.

President Hultin and New York University Provost David McLaughlin also highlighted recent achievements in education and research:

- increase in SAT scores by 45 points for fall 2008 incoming NYU-Poly undergraduates;
- surge in NYU-Poly graduate enrollment by 34 percent;
- rise in research grants since the two institutions became affiliated in July 2008 (Microsoft Games for Learning: $3M; NSF Materials Research Science and Engineering Center: $7.2M; NYSERDA Clean Tech Incubator Grant: $1.5M; 15 Joint NYU-Poly and NYU Seed Grants: $1.05M ($5M over 5 years).

Such achievements and the continued emphasis on an academic model of i²e (invention, innovation, and entrepreneurship) will, according to President Hultin, prepare NYU-Poly students for the unprecedented short- and long-term challenges and opportunities they will face.
David McLaughlin announced on March 3 the first 15 research collaborations between NYU and Polytechnic Institute of NYU faculty to receive “seed” funding from a special competitive research pool established as part of the affiliation between the two institutions. The grants are meant to strengthen collaborations between the schools and serve as a platform for seeking future extramural funding.

The projects—which collectively received over $1.05M—were chosen from among 38 proposals on the basis of the quality of the proposed science. They include research on a device to prevent epileptic seizures, an exploration of how the structure of proteins changes in response to forces and environment, and new approaches to security and privacy in today’s technologically driven world, among others.

The collaboration grants come on the heels of two major external grants to projects involving NYU and NYU-Poly faculty: the Materials Research Science and Engineering Center, funded with $7.2 million from the National Science Foundation, and the Games for Learning Institute, which received $1.5 million in funding from Microsoft Research.

Provost McLaughlin said: “When NYU started down this path with Polytechnic, this was just the outcome I envisioned: a burst of inspiration that allowed our scholars to pursue novel areas of research with new colleagues. I am very proud of these grantees, and I offer them my congratulations on their outstanding proposals. And I would like to thank everyone for their work in creating and selecting these ambitious and excellent proposals.”

Associate Provost Kurt Becker said: “I was amazed by three things. First, the topical breadth of the proposals submitted was incredible and involved faculty from many schools of NYU and most departments at NYU-Poly. I am very proud of these grantees, and I offer them my congratulations on their outstanding proposals. And I would like to thank everyone for their work in creating and selecting these ambitious and excellent proposals.”

“I was amazed by three things. First, the topical breadth of the proposals submitted was incredible and involved faculty from many schools of NYU and most departments at NYU-Poly. Second, almost half of the proposals that were funded (7 out of 15 to be precise) involved faculty from the NYU Medical and Dental Schools. This clearly illustrates how starved faculty in these schools of NYU were for collaborations with faculty in engineering and technology. Third, several collaborations have already initiated joint research proposals to external funding agencies.”
THINKING

Time Warner Cable and NYU-Poly Partner in Creating the Next Big Thing

“I will turn blueprints into bridges,” reads one of the advertisements from Polytechnic Institute of NYU’s award-winning “I will” campaign. Civil engineering major Benjamin Kanner ’11CE, second place winner of the second annual Time Warner Cable Inno/vention competition, may just be the person to make that inspirational ad become a reality.

Kanner’s “magnetic flexible bridge” uses a series of hinged segments that get the strength to stay in a convex-arch shape from pillars that tower above the ends of each segment. The repelling force of giant magnets on pairs of adjacent pillars creates the force that holds the bridge up. The bridge’s ends — which serve as entrance and exit ramps — are the only points that make contact with the ground. Kanner holds a provisional patent on his design.

NYU-Poly President Jerry M. Hultin reminded students at the Inno/Vention awards luncheon that many unmet needs are waiting to be filled in the wake of the global economic downturn.

“The world has broken apart; you have the opportunity to put it back together,” President Hultin told the semifinalists. “People are scrambling for the next big thing.”

The next big thing will likely relate to energy, like the first- and third-place ideas: Christopher LoBello’s “thermoelectric alternator” and Michael Hailemariam’s “Bio-Chill,” respectively.

LoBello ’09PH is a veteran of the Inno/Vention contest. Last year, his team took first place for their process to create carbon nanotubes lined with titanium that can safely store hydrogen and potentially power cars. This year, LoBello went solo and designed an alternator that captures the waste heat from a vehicle’s exhaust system and passes it through thermoelectric devices that turn heat into electricity. The invention makes it possible for that re-used energy to power the car’s radio, phone charger, and other peripherals, thereby lessening demand on the engine which fuels conventional alternators.

Anyone who uses a laptop on their actual lap for an extended period of time knows how hot they get. Michael Hailemariam ’10CBE, creator of Bio-Chill, could change that by using DNA, of all things.

DNA can be engineered to lose its chemical structure at a selected temperature. As it unwinds, it absorbs heat. Hailemariam’s winning idea is to engineer DNA to lose its double helix at the core temperature of an electronic device such as a laptop. The custom DNA would be stored in a polymer film of water-based solution attached to the laptop, or other electronic device. As the laptop heats up the hardware, the DNA would unwind, absorb heat, and enable the thermal management of the machine to cool the laptop.

Theresa Luback and Raymond Ye’s DormStop.com, an e-commerce website targeted to college students entering their first year of dorm life, tied with Bio-Chill for third place. DormStop.com’s creators envision “stores” for each college with approved dorm gear for sale. By partnering with large retailers like Bed, Bath, and Beyond, Luback ’07CE ’09CM and Ye ’10ME plan to purchase at discounted prices and charge students for the convenience and service of pre-ordering items. For even more assurance, students can use the “3-D try on” feature, which allows them to place items they like in 3-D models of their actual dorm rooms.

In 2007, Time Warner Cable, in cooperation with the Department of Development and University Relations, established the Time Warner Cable Inno/Vention Competition with a $25,000 gift paid over a three-year period. Prize money increases annually by $1,000 in each undergraduate and graduate category for a total of $12,000 of prize money through 2010. The competition was conceived by Michael Hutmaker, dean of student affairs, along with Bruce Niswander, director of the BEST Center and Incubator for Entrepreneurship.

The first Inno/Vention competition began shortly after NYU-Poly launched its i2e (invention, innovation, and entrepreneurship) initiative in 2007 as a way to jumpstart a culture of intellectual curiosity and risk-taking.

Entries doubled this year and the students partnered with faculty advisers who provided guidance throughout the semester-long design phase.
Henry Bertoni ’62EE ’68EL, professor emeritus, electrical and computer engineering and director of WICAT, was the subject of two “Honorary Sessions on Behalf of Professor Henry Bertoni” at the EuCAP2009 conference on antennas and propagation on March 25. Bertoni gave an invited lecture, “Constraints and Challenges for Theoretically Modeling Wireless Propagation.”

George Bugliarello, president emeritus and university professor, moderated the session on “Urban Infrastructure and Water Impacts of Climate Change” at the American Society of Civil Engineers’ Annual Conference International Program in Pittsburgh, PA. On behalf of the U.S. National Academy of Engineering, he welcomed participants of the Japan-America Frontiers of Engineering Symposium to Kobe, Japan. The meeting was hosted by Tsuneo Nakahara, president of the Engineering Academy of Japan and former Polytechnic Board member.

Bugliarello also gave the opening presentation on megacities at the Pan American Federation of Engineering Societies 2008 Convention I Brasilia.

Zhong-Ping Jiang, professor, Electrical and Computer Engineering, received the Best Theoretic Paper Award for “A Generalization of the Nonlinear Small Gain Theorem for Large-scale Complex Systems” at the 2008 World Congress on Intelligent Control and Automation (WCICA) held in Chongqing, China. The award-winning paper was co-authored with Professor Yuan Wang, Department of Mathematical Sciences, Florida Atlantic University.

Kalle Levon, professor, Chemical and Biological Sciences, has been awarded a 2.5 million euro, four-year project on healthcare diagnostics from the Finnish Funding Agency for Technology and Innovation. The project involves a four-year collaboration with the Abo Academy in Finland and its Process Chemistry Center.

He will deliver a lecture on “Selective Potentiometric Detection of Macromolecules” at a symposium on Polymers for Sensory and Energy-related Applications at the Robeson Campus Center of the Rutgers-Newark campus on May 14.

George Bugliarello
Receives Marconi Society Award

George Bugliarello, president emeritus and university professor, was among the honorees at the Marconi Society Gala Dinner on April 16 at The Italian Academy at Columbia University. Bugliarello was recognized with a Beacon of Light Award for his work in bringing recognition to the critical role of telecommunications in society.

The Marconi Society was established in 1974 by Gioia Marconi Braga, daughter of Guglielmo Marconi, the Nobel laureate who invented the radio, to promote awareness of major innovations in communication theory, technology, and applications with particular attention to how they change and benefit society. Bugliarello was instrumental in establishing the society in NYU-Poly’s Center for Advanced Technology in Telecommunications when it moved from the Aspen Institute to New York.

Joining George Bugliarello at the Marconi Society’s gala are, from left, Charles Camarda ’74AE, Distinguished Engineer in Residence, Henry Bertoni ’62EE ’62EL, professor emeritus, Electrical and Computer Engineering, Dr. Bugliarello, James Oussani ’77ME, director, POLYTECHNIC ALUMNI and Christine Ianuzzi ’87EE ’94ISE, president, POLYTECHNIC ALUMNI.
**Memon Develops Sleuthing Software**

An advanced photo recovery software program, capable of what *The New York Times* describes as a feat “similar to assembling a million pieces of a jigsaw puzzle with no guiding box-top image” has been developed by Nasir Memon, professor of computer science and engineering. Called Adroit Photo Recovery, the program uses sophisticated data recovery technology called SmartCarving, developed over years of research at Digital Assembly, a company founded by Memon and two of his students — Kulesh Shanmugasundaram ’06CS and Pasha Pal ’09CS.

Memon credits his students with the foresight to bring the product to market. The students were involved with the research from the beginning and realized how both the average consumer and law enforcement could benefit from the product. “It was their vision,” Memon declares, “that led us to the commercialization path.”

SmartCarving is a whole new way of thinking about data recovery. The software looks at deleted photos as gigantic jigsaw puzzles, Memon explained. The program uses advanced mathematical models and computer algorithms to solve each of the puzzles with hundreds of thousands of pieces simultaneously. The software reassembles the popular JPEG format for digital images. The method can also be applied to other formats.

Memon cautions the consumer to think again when they believe they have erased snapshots from their camera cards before selling them. He learned this when he bought used camera cards on eBay to test the power of his software and recovered many highly personal images from them. “People think they have deleted the images,” he said, “but typically they have deleted only the table of contents, not the images themselves. You have to completely overwrite the images.”

Digital Assembly is a start-up company developing innovative data recovery products. The company was founded at NYU-Poly and is currently hosted in Polytechnic’s Brooklyn Enterprise on Science and Technology Center. “Digital Assembly grew out of NYU-Poly’s commitment to invention, innovation, and entrepreneurship,” says Memon. “The passion to invent and innovate permeates the Institute.” To learn more about Digital Assembly, visit www.digital-assembly.com
A Father’s Love Combats Allergies

ALLERGY SUFFERERS AROUND THE WORLD CAN BREATHE A SIGH OF RELIEF THANKS TO ASHOK WAHI’77OR. ALLERGENBLOCK WAS CREATED BY WAHI TO HELP HIS DAUGHTER, AIKTA, COMBAT HER CAT ALLERGIES.

The drug-free, non-drowsy invention makes breathing easier for nearly 40 million Americans. Wahi credits Polytechnic with teaching him the discipline of analytical thinking and problem solving. “As a graduate student, I was taught to optimize the demands with our resources, in order to attain the best result,” he said.

AllergenBlock, an odorless, water-based gel, can be used year-round for indoor and outdoor allergies to mold, dust and pet dander, with no side effects. Wahi suggests that individuals apply a drop or two around the nostrils and upper lip. The gel attracts the negatively charged airborne allergens to the positively charged AllergenBlock. The applications create an invisible shield to prevent allergens from causing itchy watery eyes, sneezing, and runny nose. Infants and children under the age of 12 can also find comfort in Little Allergies AllergenBlock. The gel is distributed by Prestige Brands Holding of New York under the Chloraseptic and Little Allergies brand names and contains 150 applications in each tube.

Perseverance is the touchstone for any invention and Wahi learned its value early in life. First from his late father, Krishan Wahi and then from faculty members at Polytechnic—Drs. Ravinder Nanda, associate professor of industrial engineering, Prasadarao V. Kakumanu, assistant professor of operations research, and Joachim I. Weindling, professor of operations research and systems engineering—who reinforced this work ethic in the classroom. His motivation to persevere proved crucial when his product was not immediately endorsed. Determined to find the right medical professional to validate his discovery, Wahi pursued Dr. Paul Ratner, a renowned allergist, whose children also suffered from allergies. “I found Dr. Ratner through the Internet. He was initially very skeptical about the product,” says Wahi. Ratner was not convinced that the gel would give patients the relief Wahi claimed. The doctor gave his patients samples of AllergenBlock and the rave reviews persuaded Ratner to conduct the clinical evaluations needed.

Today, Wahi is the president of Trutek Corporation, a product and development company dedicated to helping the next generation of innovators bring their ideas to market, and vice president of Princeton Design Group, which offers consulting services to pharmaceutical companies. He is also a published author of 11 books and an avid yoga enthusiast.

Inventor Ashok Wahi, left, displays his latest product, AllergenBlock. He is joined by Dawn Duncan, vice president for development and university relations, and President Jerry Hultin.

Little Allergies brand names and contains 150 applications in each tube.

AllergenBlock is sold at local drugstores and is distributed to countries around the world. Marketing began in Europe and Japan in April. For more information about AllergenBlock, go to www.allergenblock.com.
HITEC Honors Three NYU-Poly Alums

The Hispanic Information Technology Executive Council (HITEC) recently named three dynamic NYU-Poly alums to its Top 100 Hispanics in IT Awards. Recipients exemplify excellence in business and innovation, adding value to their respective organizations and communities. Included in the stellar ranks are David Campana ’96MA, right, the chief architect and chief technology officer for the New York City Department of Finance, responsible for standardizing the technology of over 130 systems to collect revenues in excess of $22 billion annually; Alejandro Mainetto ’95ME, ’98MOT, deputy chief information officer for New York City Department of Education (DOE), responsible for the overall software development organization within the division of Information Technology; and Wil Vargas ’95AE, (not shown) assistant director of Internet technology for the American Society of Clinical Oncologists, who leads a team that creates secure online environments for oncologist’s to network and collaborate on developing lifesaving solutions for cancer patients.

Girl Scout Council of Greater New York Studies the Chemistry of Bread-making

Polytechnic Institute of NYU’s American Chemical Society (PACS) hosted the Girl Scout Council of Greater New York on March 14 as they explored the “Chemistry of Cooking.” NYU-Poly students demonstrated the chemistry behind everyday kitchen activities in an effort to inspire the scouts’ appreciation of science and spark their curiosity about basic chemistry concepts.

The scouts conducted a bread-making experiment that taught them that understanding chemistry is not only good for their brains, but also for their taste buds. By testing the different components and techniques of bread-making, the scouts learned that a mastery of cooking chemistry can make them better bakers and chefs.

PACS students also taught the scouts about the nutritional value of the ingredients they used to make the bread, which helped them to think about their creations on a molecular level.

The American Chemistry Society 2009 Local Section Partnership Project helped to fund this event. PACS acknowledges NYU-Poly’s TC Westcott, vice president of finance and administration, the Girl Scout Council of Greater New York, all student volunteers who participated, and Lackmann Culinary Services for their time and support.

Robotics Championship

The Power of PolyThinking sparked seven Brooklyn schools to compete in the finals of the championship New York City FIRST Lego League Tournament (NYC FLL) in March at the Jacob Javits Center. NYU-Poly students served as mentors to 13 schools, part of the Applying Mechatronics to Promote Science (AMPS) project, supported by the National Science Foundation and the Central Brooklyn Robotics Initiative (CBRI), the Independence Community Foundation, JP Morgan Chase Foundation and the Motorola Foundation. Students from P.S. 21, left, prepare their robot for competition. AMPS and CBRI projects are led by Vikram Kapila, associate professor of mechanical engineering, Magued Iskander, associate professor of civil engineering, and Noel Kriftcher, executive director of Poly’s David Packard Center for Technology and Educational Alliances, to introduce elementary, middle and high school students to the foundations of robotics technology. Susan Hermon, administrative coordinator for the David Packard Center, was named Volunteer of the Year by the NYC FIRST Lego League.
To My Fellow Alumni:

I wish to share with you a rather personal matter, namely, why I have designated the Polytechnic Institute of New York University in my will.

Polytechnic was the launching pad for my career as a polymer scientist. After a Bachelor of Science degree from City College, I accepted a position as a research chemist in a large chemical laboratory in Connecticut at the grand salary of $300 per month. I knew that I had to pursue graduate work if I were to excel in my chosen profession.

As a recent immigrant and soon-to-be new father, I could not afford to enroll in graduate school. Hard as that may be to understand now, financial support for graduate work was very difficult to come by in the 1950s. My solution was to work in Connecticut during the day and then commute to Brooklyn Poly for my courses and lab work in the evening. Only Polytechnic had an evening graduate program that met my needs. Poly's courses were excellent. Some departmental offerings, including polymer science, were even of world-class caliber.

I obtained a master's degree in five years, but it took 10 years of hard work in two places—my employer's lab and Poly—before I reached my goal: a PhD in Chemistry. By then, my career was well on its path to success.

I have followed Polytechnic closely over the years and have been an active supporter of the alumni association. When I was writing my will, I decided to leave remaining funds in my IRA retirement plan to Poly. In that way, my heirs will be able to deduct the entire gift from any taxes that may be due. Had I not done so, they would have been required to pay not only estate taxes, but income taxes as well. My gift will benefit my alma mater and be of some value to my heirs. I have, of course, discussed this with them, and they concur wholeheartedly.

I am sure that you have also greatly benefited from your Polytechnic education. A gift to Poly in your will would be an appropriate way to acknowledge your indebtedness. Please inform Thomas Daly, director of planned giving, of your intention by calling him at (718) 260-3364 or sending him an e-mail at tdaly@poly.edu

We know that Polytechnic must continue as a great educational center for technological progress. By including Poly in your will now, you will help the Institute continue in its tradition of greatness.

With best wishes to all,

Norbert M. Bikales ’56 ’61Chem

WOLFGANG ’56AE AND DONNA SCHAECHTER
ALEXANDER SCHAECHTER SCHOLARSHIP

“About five years after my parents and I immigrated to the USA, Poly opened a door for me into the engineering profession with a scholarship. Fifty years later, a conversation with a Poly trustee and a newspaper article about “giving back” started me thinking about the no-obligation gift I received from Poly. Since my wife and I are now fortunate enough to afford it, we are “giving back” to Poly, to benefit students who today need scholarship support.”

For more information on how you can establish a named scholarship, please contact Thomas Daly, director of planned giving at (718) 260-3364 or tdaly@poly.edu.
Dear Fellow Alumni,

I’d like to take this opportunity to thank all of you who voted in the recent POLYTECHNIC ALUMNI election. I am grateful for the opportunity to lead our association at this important time in the history of our alma mater.

Recently, our association’s International Board of Directors and the Executive Council met and reaffirmed the purposes that our independent association serves—to help provide continuing education opportunities for alumni, to assist alumni with job placement and career advancement opportunities, to support Polytechnic’s fundraising initiatives, to play an active role in student recruitment and retention, and to promote fellowship and to foster communication among alumni. The association is refocusing its efforts to ensure that we have an impact in each of these areas.

As Polytechnic strengthens its relationship with NYU and works towards the goal of becoming NYU’s school of engineering and technology, we must consider the role alumni will play in that transition. We are the bridge between our Institute’s past and its future. And like all bridges, this one needs to be inspected, maintained and, occasionally, refurbished. I assure you the leadership of the association is doing that right now. We are revitalizing our committees, seeking new leadership and new ideas, keeping what works, and scrapping what doesn’t. We must become partners with the administration, faculty and students and work toward common goals. We must make sure that our alma mater’s history and legacy now serve to strengthen these new partnerships and help make the transition successful.

The Institute is justifiably proud of the success of Polytechnic’s alumni. Whenever President Hultin talks about inventors, innovators, and entrepreneurs—he is talking about us—the alumni.

Engineers are problem solvers. I see this every day as my fellow engineers are called upon to keep things running, make the most of limited resources, and tackle complicated problems. The issues that Polytechnic faces today are as complicated as any engineering project. The economic recession, changes in the academic preparation of college-bound students, a difficult fundraising environment, and uncertain job prospects for our graduates and alumni make for difficult times. As alumni, we should be asking how we can help.

I look forward to hearing from you and seeing you at our annual meeting on May 17th. Please feel free to contact me at polytechalumni@gmail.com. I look forward to your comments and suggestions.

Best regards,

Christine Ianuzzi, ‘87EE ‘94ISE

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The Nominating Committee of the Polytechnic University Alumni Association, Inc. has selected the following candidates for positions as directors on the International Board of Directors:

For a three-year term expiring 2012
Dick Eden ‘73
James J. Oussani Jr. ‘77
David L. Sobin ‘72 ‘72
Shafik Yaghmour ‘97 ‘03

For a one-year term expiring 2010
Cheryl A. McNear ‘92

Alumni may make alternate nominations by submitting names of candidates, endorsed by at least 10 alumni. Alternate nominees must submit a letter expressing their willingness to serve if elected. Alternate nominations must be received by the Office of Alumni Relations on or before May 15, 2009. If no alternate nominees are received, the announced candidates, above, will be elected at the Annual Meeting on May 17th.

At the Annual Meeting of the Polytechnic Alumni on May 17th, the membership will consider a series of bylaw amendments which reflect the new name of the institution and make minor changes to organization operations. For a complete copy of the proposed amendments, visit www.polytechalumni.com.

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On December 17th, the Polytechnic Institute of NYU Alumni Association, Inc. elected new officers and directors. The association would like to thank the more than 1,300 alumni who submitted ballots.

Due to the timing of this election, the current officers will serve until June 30, 2010 or until their successors are elected.

New Officers
Christine Ianuzzi ‘87 ‘94
President
Dennis Landsberg ‘69 ‘71
Executive Vice President
Horace Morancie ‘58
Vice President
Ingrid Mohr ‘99
Secretary
Michael Urmeneta ‘92 ‘00
Treasurer
George Likourezos ‘92 ‘92
Immediate Past President

New Directors*
Henry Bachman ‘51 ‘54
Ronald Kuchins ‘67
Frank Namad ‘68
Janis Peck ‘03

Executive Council Appointees
Mohamed Aboshihata ‘04
Josiane Arbouet ‘96 ‘99
Henry Bertoni ‘62 ‘68
Norbert Bikales ‘56 ‘61
Wasyl Kinach ‘83
Johnny Lai ‘85
Shafik Yaghmour ‘97 ‘03

*Term ends 2011
40s

Attilo DeMeo ’44ME is happily retired in Connecticut at the age of 87 and enjoys the beauty around him and his family.

Jesse Kanarek ’49EE is a volunteer for the Stanford Medical Blood Bank.

50s

Henry Bachman ’51EE ’54EL has been elected to the board of directors of the Wireless Telecom Group, Inc. He is also volunteering his time and talents to NYU-Poly as a member of the alumni association’s Board of Directors and as chair of its Bylaws Committee. He is a former advisory trustee of the Institute.

Anthony V. Sorrentino ’54PhyM ’58MM ’63MG is active as a professional engineer.

Frank Padavan ’55EE was re-elected to the New York State Senate representing the 11th Senate District in Queens and is the only Republican senator from New York City.

George C. Hanley ’57ME ’65IE received an award from ASME in San Diego for 50 years of active membership.


Eli Pearce ’58Chem is on the advisory board of Chemical & Engineering News. He was recently profiled in the Journal of the Balkan Tribological Association.

60s

Bruce C. Gilman ’60AE is the interim chief executive officer for Deep Marine Technology, Inc., a subsea service provider for the oil and gas industry.

Joseph Potenza ’62Chem is chair of the North Jersey section of the American Chemical Society. He is a professor at Rutgers University.

Peter W. Carr ’65Chem is professor of chemistry at the University of Minnesota and was given an award by the American Chemical Society for his work in chromatography.

You-Ling Fan ’65Chem initiated a mentoring program at Princeton University to help international students better adapt to American culture and society.

Richard T. Santulli ’66 ’67MA has been named to the board of directors of the New York Racing Association, which runs all of New York State’s horse racing venues.

Stephen J. Wallach ’66EE founded Convey Computer Corp. and is the company’s chief scientist. In 2008, he was awarded the Seymour Cray Computer Science and Engineering Award by IEEE.

Marv Blecker ’67 ’67MA ’70SyS retired as executive vice president at Qualcomm and is now working part-time on strategic licensing partnership efforts for the company.

Joel G. Feldstein ’67 ’71MT was honored by ASME with the society’s J. Hall Taylor Medal for his efforts in advancing the use of ASME standards for welding and pressure equipment. Joel is the chief welding engineer at Foster Wheelers.

Bernard P. Monahan ’67CE is co-editor of ASCE’s Practice Periodical on Structural Design and Construction and is active with The Moles, a construction honor’s group.

Joseph R. Fragola ’68 ’71PH was awarded an honorary doctor of science degree from the University of Strathclyde in Scotland. He is vice president of Valador Inc.

Daniel A. DiLeo ’69MT has been elected to the board of directors of BinOptics Corp. He also serves on the board of RF Mirco Devices.

Edward T. Wolynic ’69ChE has been appointed to the board of directors of Nanostellar Inc. He is also on the board of Immunomedics Inc.

Major Codes

Refers to the academic discipline listed next to alumni’s class year. A full key to major abbreviations is available at www.poly.edu/alumni/cable.

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>AE</td>
<td>Aerospace Engineering</td>
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<td>Construction Management</td>
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<td>Industrial Engineering</td>
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<td>Management</td>
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<td>Management of Technology</td>
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<td>MA</td>
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<td>Mechanical Engineering</td>
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<td>Metallurgical Engineering</td>
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<td>MM</td>
<td>Metallurgy and Material Science</td>
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<td>MO</td>
<td>Meteorology &amp; Oceanography</td>
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<td>NE</td>
<td>Nuclear Engineering</td>
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<td>OR</td>
<td>Operations Research</td>
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<td>PhyM</td>
<td>Physical Metallurgy</td>
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<td>PH</td>
<td>Physics</td>
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<td>SS</td>
<td>Social Sciences</td>
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<td>SE</td>
<td>Systems Engineering</td>
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<td>SyS</td>
<td>Systems Science</td>
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<td>TCM</td>
<td>Telecommunications and Computing</td>
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<td>TP</td>
<td>Transportation Planning and Engineering</td>
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70s

Herbert Henkel ’70AE ’72ME was honored at Brooklyn Technical High School’s 85th Anniversary dinner. Henkel recently retired as CEO of Ingersoll-Rand and served on Polytechnic’s Board of Trustees.

Bernard DeMarinis ’71EE is director of strategic initiatives for Mitre Army Programs and is a member of the Maryland Governor’s Workforce Investment Board, responsible for developing policies and strategies to form a coordinated workforce system from a variety of education, employment, and training programs.

Frank S. Vetere ’71CE joined GZA GeoEnvironmental Inc. as a senior project manager in their North Hampton, NH office.

Michael M. Kitt ’72Chem is the chief medical officer at Nuon Therapeutics Inc. in San Mateo, Calif. He is helping to develop innovative small molecule drugs that address critical unmet needs in autoimmune disease and pain.

Jerald Kolansky ’72EE ’78MG is the vice president of sales at PLX Technology.


Paul W. Jagodzinski ’73Chem is dean of the college of engineering, forestry, and natural sciences at Northern Arizona University. He was formerly a professor and department head at the Colorado School of Mines.

Mircea Stefan Stamescu ’74 ’77MT retired after almost 35 years with Linde, formerly BOC and continues to serve as a consultant.

Louis Rubenstein ’75TP retired from the Port of Long Beach as a senior traffic engineer. During his career, he worked to reorganize the street name system into an alphabetical sequence.

John M. Dionisio ’76CE, president and CEO of AECOM, received the ASCE’s Lifetime Achievement Award for Management.

Paul J. Ponturo ’77CE joined H2M as a senior water resources engineer after serving as chief of the Office of Water Resources of the Suffolk County Department of Health Services’ Division of Environmental Quality.

Christopher Swan ’77MO is director of municipal relations and siting for Northeast Utilities Transmissions in Norwalk, Conn.

Charles Hollingsworth ’79CE is president of Environmental and Engineering Consultants Inc., the firm he started in Arizona in 1987.

80s

Ursula Burns ’80ME Hon’05 has been appointed to the U.S. Olympic Committee. She was also named to the Forbes magazine list of the “100 World’s Most Powerful Women,” Fortune magazine’s list of the “50 Most Powerful Women in Business” and The Wall Street Journal’s list of “50 Women to Watch.” In May, she will be the commencement speaker at RIT. She is a former Polytechnic trustee.

Mahmoud Khojasteh ’80Chem recently celebrated his 25th anniversary at IBM as a research and development scientist, working on advanced nano processing and fabrication.

David Mazurek ’80NE is the chief engineer at the underwater division for EDO Corp and is developing unmanned USV mine sweeping systems.

Stephen Reder ’81ME is manager of engineering and logistics prototype at Timken Co. in Canton, Ohio.

Al Cioffi ’82EE joined PECO II in Galion, Ohio as vice president for business development.

Leila Heckman ’82OR is senior managing director for international equities at Mesirow Financial. She is a member of NYU-Poly’s Board of Trustees.

Michael A. Petosa ’82CS is the vice president of information technology for the American National Standards Institute.

Peter Barker-Homek ’83HU is CEO of Taqa, the Abu Dhabi National Energy Company.

Robert J. Stevens ’85IE was elected chairman of the Aerospace Industries Association. He is president and CEO of Lockheed Martin.

Gary Ritholz ’86BE is an anesthesiologist specializing in anesthesia for gastroenterology, fertility and plastic surgery procedures.

Robert J. Miklosko ’86EE is vice president of global engineering, research and development at Hypercom Corp.

Sam Salameh ’88SS is CEO of Alfa, one of the leading mobile phone networks in the Republic of Lebanon.

Craig Miller ’89SE is the chief information officer for Movie Gallery Inc., a 3,300 store franchise for video rentals.

90s

John T. Moebringer ’90EE ’92MG is partner at the law firm of Cadwalader, Wickersham & Taft LLC, where he handles patent litigation in the electrical engineering, telecommunications and computer science fields. He received his law degree from Fordham University.

Manuel Sone ’90EE is RF engineering manager at Shiverly Labs, a division of Howell Laboratories Inc., North America’s largest producer of FM broadcast antennas, filters, and combiners.


Michael Mattei ’92MG is vice president and general manager of Leviton’s commercial and industrial business.

Gerard Pearce ’92CM is vice president of sales for Entone Technologies.

Thomas E. Welch ’92EE has joined Optimum Lightpath, a division of Cablevision, as vice president for engineering.

(Continued on next page)
Class Notes (continued)

Ping-Tsung Huang '94Chem is an assistant professor in the Department of Chemistry at Fu Jen Catholic University in Taiwan.

John T. Montalbano '94EE is vice president and chief operating officer of Global Biomedical Solutions, a company specializing in using biomechanical research to combat insurance fraud.

Michael S. Strano '97ChE is an associate professor of chemical engineering at MIT and has recently joined the science advisory board of Nano-C Inc. His research was recently highlighted in the journal Nature Nanotechnology.

Wenhi Han '98ChE is working for Baxter Healthcare Corp. in Illinois.

Seok-Won Lee '98CS is a chief research engineer at the LG-Nortel R&D Center in Korea.

Inky Song '99MG joined the board of the Max Reger Foundation of America, a not-for-profit organization helping musicians fulfill their dreams and goals. She is president of Song & Co., a firm providing fundraising and communications strategies to not-for-profit organizations.

Jay Yass '03MA is vice president for network services at Intelsat.

Stuart Lewis '05CE is currently a project engineer/diver for Ocean & Coastal Consultants, performing underwater investigations and rehabilitations to New York piers and waterfront structures.

Jesse Heimowitz '08CM is a construction project coordinator for the bridge construction division for the MTA Long Island Railroad.

Jerry Sudarsky '42ChE Hon '76, a long-time Polytechnic trustee and recipient of the distinguished alumnus citation died on March 4, 2009 at the age of 90.

Born in Moscow during the Russian Revolution, Sudarsky's family escaped to Berlin in 1920 and immigrated to the United States in 1927. A talented athlete at DeWitt Clinton High School, he briefly played semi-professional baseball after starting his college career at the University of Iowa.

After taking a job as a chemist at the Atlantic Yeast Company, he enrolled in Polytechnic’s chemical engineering program in 1940, where he met and became a lifelong friend of Dr. Joseph J. Jacobs ’37 ’39 ’42 ChE Hon ’86. After graduating, he served in the U.S. Navy as a radar technician in the South Pacific for the duration of World War II.

After the war, he formed his first company, Pacific Yeast Products in 1946 which became Bioferm Corporation, one of the world’s first biotech firms and a leading producer vitamin B-12 and monosodium glutamate. The company also developed the first commercial microbial insecticide. He sold the company in 1960.

That year, he joined the United Nations Industrial Development Organization (UNIDO), a U.N. agency dedicated to helping underdeveloped countries develop and improve their industrial base. Stationed in Israel, Sudarsky helped found Israel Chemicals and served as its chairman from 1968 to 1972. When he returned to the U.S., he became director and vice-chairman of the Daylin Company and then joined the Jacobs Engineering Group as vice chairman of its board of directors. He retired from Jacobs in 1994 and founded Alexandria Real Estate Equities, which provides laboratory space for biotechnology and pharmaceutical companies.

Sudarsky was awarded an honorary degree from Polytechnic in 1976 and served as a trustee for many years. His philanthropy also included Hebrew University, where he served on the board of the American Friends of Hebrew University, which named a building and center in his honor. He was a member of the American Chemical Society and Sigma Xi. In 2008, he was presented the Richard W. Bolte, Sr. Award for Supporting Industries by the Chemical Heritage Society. He is survived by his wife of 61 years, Mildred, his children, Robert and Marien, five grandchildren and three great-grandchildren.

Joseph Kempner ’43 ’47 ’50AE, professor emeritus, Mechanical Engineering, died on July 24, 2008 at the age of 85. A member of the Poly faculty for four decades, Kempner was a highly regarded educator, researcher and internationally recognized expert in the field of aeronautical engineering and applied mechanics.

He earned his bachelor’s degree in aeronautical engineering, summa cum laude, from Polytechnic in 1943. After active duty in the Air Corps Enlisted Reserve, he joined the research staff of the National Committee for Aeronautics (now NASA). In 1947, he returned to Polytechnic and earned a master’s degree in aeronautical engineering and a doctorate in applied mechanics in 1950. He joined the faculty of the aeronautical engineering and applied mechanics department, where he taught and directed research in the area of structures. He moved through positions of increasing responsibility to become department head in 1966, a position he held for 10 years. He was named professor emeritus in 1990.

A prolific author, Kempner wrote or co-authored over 100 papers on aero-and submarine structures, creep and visco-elasticity and linear and non-linear shell theories. He also worked as a consultant for major corporations including Northrup Grumman and General Electric. He was a Fellow of the New York Academy of Science, the American Academy of Mechanics and an Associate Fellow of AIAA. He was the recipient of the New York Academy of Sciences Laskowitz Medal for Research in Aerospace Engineering.

He is survived by his wife of 62 years, Carol, his children, Robert and Marien, five grandchildren and three great-grandchildren.
IN MEMORIAM

Paul B. Davis ’28
John S. Martino ’34
Rudolph F. Valois ’34
Leslie H. Dahl ’35
Herbert I. Butler ’39
Charles F. Kraut ’39
Edward U. Powell ’39
William H. Heim ’41
Courtney F. Dolan ’42
Jerry Sudarsky ’42 Hon ’76
George H. Batt ’43
Alwin P. Stottmeister ’43
Theodore J. Blechar ’44
Harold L. Brownman ’44 ’49
Alan M. Gardiner ’44 ’49
Vincent L. Melillo ’45
Martin H. Bloom ’46 ’49 ’51
Leonhard W. Holmboe ’46
Herbert J. Carlin – Faculty
Henry Hoffmann Jr. ’48
Joel N. Bloom ’49
Jack Cascio ’49
Om P. Kharbanda ’49 ’54
David L. Ryan ’49
Michael V. Sullivan ’49
Eugene N. Torgow ’49 ’80
John C. Becker III ’50
Theodore A. Dorsay ’50
Morton D. Glantz ’50
Joseph Gontcharuk ’50
Richard L. Hale ’50
Edward I. King ’50
Marvin Loeb ’50
Vincent Ordorica ’50
Norman M. Trieff ’50
Kenneth C. Collins ’51
Benjamin Fingerhut ’51
George Gioumousis ’51
William J. Gort ’51
Eric C. Schreiber ’51 ’54
Stanley M. Stanzin ’51
Henry E. Hoercher ’52
John L. Mladinch ’52
Franklin D. Schuman ’52
Louis Spector ’52
Richard F. Brae ’53
Martin P. Hughes ’53
David D. Malafrente ’53
Peter Nicholakakos ’53
Harmon F. Hoffmann ’54
Sheldon H. Katz ’54
Joseph Lifland ’54
Frank A. Pagello ’54
Robert J. Schwarz ’54
Leonard Weintraub ’54 ’68

Greig H. Andersen ’55
Roland F. Chireau ’55
Irwin Katz ’55
Abraham M. Kotliar ’55
Arnold L. Mays ’55
Maureen Burnell ’56
Harold J. Dubberley ’56
Peter M. Dubinsky ’56
Sidney Friedich ’56
Lester H. Gabriel ’56
Jack Asbel ’57
John R. Mallin ’57
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Aifonsas S. Dzikas ’60
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Arthur M. Schiller ’62
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Leonard J. Schuss ’78
Li-Wei “Edward” Soong ’78
Robert F. Williams ’81
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The winning streak continues for the 2009 NYU-Poly team at the American Society of Civil Engineers (ASCE) Concrete Canoe Regionals. The event marked NYU-Poly’s first time winning back-to-back Regionals. The event took place over the April 3-5 weekend with the juried technical report, and culminated with a series of gender-specific and coeducational canoe races at Hemsptead Lake State Park. The team captains (Minelly DeCoo and Kaliaeja Taylor) along with the rest of the concrete canoe team will travel to the University of Alabama at Tuscaloosa on June 11-13.

The competing students spent an entire year working late nights and weekends to design and construct the final product and to hone their rowing skills. The competition gives the students the opportunity become involved in hands-on practical application of the theoretical concepts of civil engineering and apply them in the real world.

Last year’s team also attended the Concrete World Conference. They were invited by the national ASCE organization to display the cross-section of last year’s innovative canoe that used “green” design. Eugene Fuks and Margaret Cwikla were the student representatives as well as Prof. Weihua Jin, an adjunct professor in civil engineering, who was instrumental in the 2008 and 2009 winning canoe designs.