



## CONTENTS

|                        |   |
|------------------------|---|
| Research               | 2 |
| Institutional Progress | 3 |
| Finance                | 3 |
| Undergraduates         | 4 |
| Graduate Students      | 5 |
| Alumni                 | 6 |
| Washington, D.C.       | 7 |
| Solar Decathlon        | 7 |
| Presidential Search    | 7 |

*Dear Stevens Community:*

*As we continue to move forward together on our journey from being great to achieving greatness, it is necessary to take time to reflect on our progress. It is important to acknowledge and recognize the people, accomplishments and milestones that contribute to the Stevens legacy – yesterday, today and tomorrow.*

*Stevens Institute of Technology has been impacting society for 140 years. Today, our net is cast wider than ever before, and Stevens continues to impact the global marketplace in myriad ways. Our select, diverse undergraduate population, backed by an education marked by its breadth and depth, are poised to take over as the next generation of leaders and innovators. Our graduate students are experiencing new, unique programs and cutting-edge methods of learning, as our corporate partnerships grow and our venues for study become more flexible. Stevens remains at the forefront of innovative research with the highest level of external funding and the largest number of National Science Foundation (NSF) funded projects in our history.*

*We've seen significant institutional progress over the past six months, and that momentum will not slow. This Report is designed to highlight and illustrate these achievements and the people, research, hard work and dedication that got us to where we are today, and will get us to where we are going.*

*Sincerely,*

**Dr. George P. Korfiatis**  
*Provost & Interim President*  
*Stevens Institute of Technology*



# RESEARCH



**The combined efforts of the Offices of Academic Entrepreneurship and Enterprise Development & Licensing continue to energize our research staff and students to perpetuate Stevens' rich history of innovation and entrepreneurship.**

The Stevens Innovation & Entrepreneurship Fellowship Program funds 30 technical doctoral students with entrepreneurial aspirations. The Technogenesis Summer Scholars program had over 25 students engage in research and business development projects this year, and the Stevens Entrepreneur and Enterprise Development (SEED) Program currently engages 18 software and technology management students developing two new businesses. A distinctive element of a Stevens education, senior design groups are able to utilize University research to develop real-world business models and plans, as opposed to simulated projects.

The past year has been highly productive in developing a strong commercialization effort with two successful spinouts, and another six new companies in the wings. The pipeline of new commercializable technologies is stronger than ever and our faculty and staff are increasingly engaged in the enterprise development process.

The Stevens academic entrepreneurship model has been recognized internationally, with the Malaysia Government selecting Stevens to assist the country in its new Five-Year Plan For Capacity Building. This follows a very successful program of technology assessment and entrepreneurial training for 120 researchers, businessmen, university staff and government officials, completed this past summer. This program will be expanded across Malaysia and should lead to additional advanced degree students coming to Stevens. Our strong relationship with UKM and the Malaysian Minister of Education is expected to result in developing partnerships and funding that will lead to significant enterprise development.

Creative and entrepreneurial research is an integral part of the Stevens mission and over the last year the University has received a number of prestigious grants in a variety of fields.

Over the past fiscal year, Stevens was awarded 204 grants totaling more than \$56 million. These grants will help fund a number of important initiatives from privacy and security issues to naval technology.

### **Stevens leads three multi-university National Research Centers of Excellence.**

The **National Center for Secure and Resilient (CSR) Maritime Commerce**, designated by the Department of Homeland Security (DHS), is responsible for conducting research and developing new ways to strengthen maritime domain awareness and safeguard populations and properties unique to U.S. islands, and remote and extreme environments. This past summer, the Center hosted its first annual Summer Research Institute for 26 students from universities around the world.

The goal of the **National Systems Engineering Research Center (SERC)** is to enhance and enable the Department of Defense's (DoD)

capability in Systems Engineering for the successful development, integration, testing and sustainability of complex defense systems, services and enterprises. Stevens is proud to serve as the home of and manage a University Affiliated Research Center established by the DoD for Systems Engineering Research.

The **Atlantic Center for the Innovative Design and Control of Small Ships (ACCeSS)** is establishing an environment where engineering disciplines associated with hull design and ship automation can be brought together within the context of the total ship system architecture. It also provides a research environment in the recruiting, training and long-term career development of the best and brightest young engineers in the U.S. Major funding over the next five years for ACCeSS by the Office of Naval Research (ONR) as part of its National Naval Responsibility – Naval Engineering (NNR-NE) program was announced earlier this year.

*Academic excellence truly is the foundation of all research at Stevens.*



# INSTITUTIONAL PROGRESS

As a community of innovators and entrepreneurs, Stevens is focused on advancing the University on all fronts.

Over the past several months alone, there have been many examples of this Institutional Progress. Ground has broken on new classroom and laboratory space on the Stevens campus and the University welcomed several distinguished new faculty across the four schools this fall. In addition, Stevens has hired Kathy L. Schulz as Vice President, General Counsel and Secretary, reporting to Interim President George P. Korfiatis and the Board of

Trustees. Schulz is the first General Counsel in the history of Stevens and was selected following a nationwide search.

Organizations within Stevens, such as the Center for Innovation in Engineering and Science Education (CIESE), are receiving funding for new programs, as evidenced by the recent National Science Foundation (NSF) grant to support the Partnership to Improve Student Achievement in Physical Science: Integrating STEM Approaches (PISA<sup>2</sup>) initiative. This five-year, \$11.5 million grant will impact 12 diverse school districts throughout New Jersey. This statewide initiative will support the creation of the next generation of Science, Technology, Engineering and Mathematics (STEM) innovators.

In an effort to create more robust and proactive operations, the Development and News & Media Relations Offices at Stevens have been reorganized. This will allow for increased activity, outreach and integrated communications across the entire University community.



Stevens has launched new websites for each of these offices as a result of the reorganization. The comprehensive new News & Media Relations website, [Stevens.edu/news](http://Stevens.edu/news), will serve as a one-stop shop for internal and external constituents looking for the latest news, photography and video assets from and about Stevens. Key features of the new site include a Stevens' Expert List – a directory of faculty and their areas of expertise – and photo galleries that run the gamut of all that Stevens has to offer. In addition, the site provides access to archives of press releases, student, faculty and alumni profiles, athletics news, the latest research stories and more. The new Development site, [Stevens.edu/development](http://Stevens.edu/development), provides a forum for highlighting the engagement of Stevens Alumni and Friends in support of the University and its students. Here, members of the Stevens community can connect, discover and invest with the University.

## The University continues to be nationally recognized:

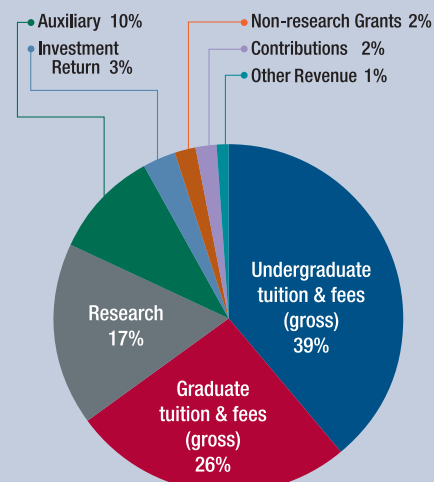
Stevens was ranked in the top 5% of schools in the nation for annualized net return on investment (ROI), according to a study of more than 500 colleges and universities, conducted for *Bloomberg BusinessWeek*. Hot on the heels of that ranking, *The Princeton Review* named our Office of Career Development 14th in the nation in the 2011 edition of "The 373 Best Colleges." *The Princeton Review* also ranked Hoboken, home of Stevens, the 12th Best College Town in the country.

## FINANCE

Though over the last year great strides have been made, there are specific areas of improvement on which Stevens is focused. For instance, while Research is becoming a stronger contributor, there is no question that the University is dependent largely on revenue from tuition and fees. Balancing our revenue sources is a goal that will allow Stevens the financial strength to continue our legacy of educating innovators and leaders for many generations to come. One way the University is working to make this possible is by increasing the percentage of the budget coming from contributions and other non-tuition revenue sources.

*Looking back at the fiscal year which ended June 30, 2010, it is clear that Stevens is making great financial progress. During this challenging economic time, the entire University leveraged shared resources and employed cost-cutting efforts, ending the year with the best operating results in recent years.*

### FY 2010 Revenue Sources



# UNDERGRADUATES

Stevens is a place where students achieve academically, athletically, professionally, and culturally. Our Hoboken campus, located across the river from New York City, naturally lends itself to the overall growth of students, who take advantage of all the perks the location and community have to offer.

Our highly selective students are continually pushing the boundaries of learning and research in the classroom and the lab, contributing to the Stevens legacy of the past 140 years. When our students graduate, they are uniquely positioned to excel in whichever path they choose.

This year, Stevens welcomed the members of the Class of 2014. With 619 students, it repre-

sents the most competitive incoming class in University history. These exceptional students not only make up the largest class yet, but they were selected from an application pool larger than all previous years. The Class of 2014 has expressed an increased interest in majors such as environmental engineering, biomedical engineering and cybersecurity. Forty percent of the class comes from out-of-state, and 28% of the class is female. The



*Each year at Convocation, the incoming class is sworn into the Stevens Honor Board. The Stevens Honor Board, which is the longest-running student-run honor system in New Jersey, is part of our rich legacy of honor and integrity, two hallmarks of a Stevens education.*

selectivity rate this year is 45%, marking the Class of 2014 as the most selective class ever as well.

During this year's convocation, an annual event which welcomes the new members of the Stevens community and honors students and faculty for their achievements, the

University was honored to host two prominent national and state officials, Congressman Albio Sires, who represents the 13th District of New Jersey, and Hoboken Mayor Dawn Zimmer, who both spoke to the students.

In today's global market, international experience is vital to help students develop cultural awareness and broaden their perspective. Stevens Institute of Technology is committed to providing study abroad opportunities to students, and encouraging undergraduates to immerse themselves in another culture while continuing their studies. Stevens has recently developed several new partnerships with universities around the world including Dublin, Paris and the Gambia for study abroad programs. This year alone, students have studied in a diverse array of countries, such as Ecuador, Malaysia, Holland and Germany.



At Convocation 2010 – Stevens' 140th – Congressman Sires shared with the students his esteem for both the City of Hoboken and Stevens. He said: "What you learn here puts you on the cutting-edge. It will prepare you for the global job market, and I encourage you to take full advantage of all the opportunities you will find at Stevens."

"This University remains at the forefront of science and technology," the Honorable Sires continued. "Your Stevens education is second to none."



**It's been an impressive fall season for the Ducks!** Stevens is one of only two schools in the nation to boast four teams who advanced to the Division III NCAA Championships. Additionally, this was the first time Stevens has ever had this many teams in the championships in a single season. The Men's Soccer, Women's Soccer and Field Hockey teams all earned Empire 8 conference titles, securing their spots in the NCAA Tournament. This is the fourth-straight Empire 8 title for Men's Soccer, third-straight for Field Hockey, and first-ever for Women's Soccer. Also making an NCAA appearance was the Women's Volleyball team, who received an at-large berth to the tournament.

On the field, Stevens continues to excel as our athletic programs grow each year and the teams repeatedly earn national recognition.





# GRADUATE STUDENTS



With dozens of options in masters, Ph.D. or graduate certificate programs, Stevens has distinguished itself as a place where both recent graduates and returning students can add to their educational pedigree and further their careers.

This is not only accomplished with classes at our Hoboken campus, but through the many corporate partnerships that the University enjoys. Companies like Verizon, Unilever, and Lockheed Martin along with government institutions like Picatinny Arsenal and Patuxent River Naval Base sponsor on-site programs for established professionals.

Over the past year, Stevens has enjoyed substantial growth in our full-time domestic and international graduate student population. The significant increase in these enrollments includes our largest cohort of Ph.D. students



to date. Of particular note, the number of graduate students from China has grown 88% year over year, with 390 students now on campus.

*This fall, Stevens welcomed 80 new Ph.D. students. An unprecedented number, the students hail from 10 countries, including the U.S., China, Turkey and Greece. The three most popular fields of study for this new group of students are mechanical, electrical and biomedical engineering.*

The United States Distance Learning Association (USDLA) presented the 2010 International Distance Learning Award to Stevens Institute of Technology at the 2010 National Conference in St. Louis, Missouri. This award is the world's most prestigious award presented for excellence in distance learning.

"Recognition by USDLA is yet another affirmation of Stevens leadership in Distance Learning. We look forward to the continued success of Stevens' WebCampus as we expand our online capabilities in terms of technology and content," said Ralph Giffin, Associate Provost of Graduate Programs Enterprise.

This is the 4th USDLA award for the Stevens WebCampus in addition to two Sloan Consortium Awards acknowledging its continued growth and innovation. A 2009 WebCampus study revealed a stunning 45% of online graduate students lived more than 60 minutes from the Stevens campus. This included over 50 students from outside the U.S. and represented 35 states and 13 countries in total. In May 2010, Stevens was listed in U.S. News & World Report as having the 14th largest online business program and our online learning unit was ranked #2 in the nation by a U.S. News & World Report 2010 survey. A 2010 ASEE report ranked Stevens' online engineering programs the 12th largest in the U.S.





# ALUMNI

The overall Stevens experience of learning and community translates seamlessly into an active alumni base beyond graduation. Stevens is dedicated to establishing relationships with alumni throughout the decades, encouraging a wide range of engagement options and opportunities for participation and reconnecting.

The young alumni organization at Stevens, G.O.L.D. (Graduates of the Last Decade), have been hosting events down the Jersey Shore for quite a few years; five years ago the location moved to Jenkinson's Inlet Restaurant in Point Pleasant. The move was made not only to make the event a true beach event, but also to enable alumni with young families to have an opportunity to participate in an alumni event as a family. The group added two other locations in Beach Haven and Cape May this year to allow as many people to attend as possible.

A generous and committed alumnus, Ken Altorfer '50, was honored this year by the groundbreaking and dedication of the The Kenneth J. Altorfer Academic Complex. Construction on the five story, 13,500sq ft space, located on the southern half of Stevens' campus began in June 2010. Initially used for faculty offices, eventually the first two floors will be for classrooms and a graduate student research center. Mr. Altorfer was a major contributor in infrastructure enhancements on campus. His gracious endowment for the Babbio Center Auditorium has allowed a home for countless students and prestigious speakers from around the world. Thanks to his generosity and support, Stevens students have been able to receive scholarships they truly need and deserve. He has also helped make it possible for faculty to continue their research and the University to introduce campus improvements.

During this year's spring break Habitat for Humanity trip to Arizona, the Development Office hosted an alumni event designed to connect



current students and alumni, while bolstering alumni participation in that area. Dawn DaSilva, AVP for Development, explained: "The alumni group in Arizona is really gaining momentum and growing. Twenty students attended this special event that was significant for the community. It was the first time a lot of them came back for a Stevens event, and



combined with our students' Habitat for Humanity work in the area, it was a great opportunity for all involved."

Alumni participation is possible in so many ways, as evidenced by these few examples of engagement and connecting with the University. From the moment students begin at Stevens, they are encouraged to look to previous graduates for inspiration and guidance.

Attending the many regional alumni events or on-campus events such as Homecoming, partnering with their alma mater to guest lecture, inviting students to tour labs or offices, or providing research or professional networking are just a few opportunities our alumni have for engagement – or re-engagement – with Stevens.



## **“How do you think? Can you think on your feet? No matter what your answer is, can you defend it?”**

These are questions that Edward (Eddie) Johnson (BE '84) posed to a class of undergraduates when he guest lectured a Capital Markets class this past spring. Working closely with Howe School of Technology Management professor Jan Klein, Johnson utilized real-life case studies to introduce students to working for a private equity shop. His goal was to simulate the entire process for the class, allowing them first-hand analytical experience and the opportunity to show their thought process behind their decisions.

Johnson, managing partner of the DLJ Merchant Banking division of Credit Suisse in New York City, would like to continue this partnership with Stevens, preparing students and providing additional first-hand experience through case studies, guest lectures and career guidance. "A Stevens education is so disciplined. It teaches you to think which is a very powerful tool no matter which career path you choose," concluded Johnson. "Even though my undergrad degree is so far from what I do today, my Stevens education was invaluable for providing that essential tool."

# WASHINGTON D.C.

With a focus on serving government agencies and enhancing current constituencies and partnerships, Stevens continues to offer graduate programs in Washington D.C. Stevens Institute of Technology, D.C., is located in the renowned Ronald Reagan Building and International Trade Center.

A hub for conferences, seminars, and meetings, which are of vital interest to government and industry stakeholders and the community within Washington D.C., the location enhances Stevens' ability to continue serving our current constituencies, as well as establish new partnerships with practitioners, students and sponsors in and around the nation's capitol.

Open house events and special lectures are held regularly in our D.C. location. We encourage members of the Stevens community in the area to visit us to learn more about the programs and offerings.

[stevens.edu/dc](http://stevens.edu/dc)



Initial program offerings include Graduate Certificates in Systems Engineering and Architecting, Project Management, Space Project Management, Space Systems Engineering, Software Engineering, and Systems-centric Software Engineering.

Memo from Dr. Steven Shulman  
(’62, M.E., ’63, M.S., ’02, HonDEng)  
Vice Chairman, Board of Trustees  
Chairman, Presidential Search Committee

## PRESIDENTIAL SEARCH



*Over the summer, the Search Committee considered almost one hundred candidates whose experiences and qualities were most closely aligned with the opportunities for Stevens as outlined in the position specification for the next President. The Search Committee selected a robust group of candidates to interview and are in the process of conducting due diligence on a select few regarding their backgrounds and experiences. This part of the process is not yet over, but the Search Committee is very pleased with the search's progress to date. They are confident in the strong, diverse pool of candidates that have been identified. Further information on the Committee's progress can be found by visiting:*

[stevens.edu/sit/presidential-search](http://stevens.edu/sit/presidential-search)

# SOLAR DECATHLON

Stevens students are part of an international competition to develop a solar-powered home for residents of the District of Columbia, working in partnership with The New School, Habitat for Humanity of Washington, D.C., and the D.C. Department of Housing and Community Development (DHCD).

The Solar Decathlon is hosted by the U.S. Department of Energy and challenges 20 collegiate team finalists to design, build, and operate solar-powered houses, which will be exhibited on the National Mall in October 2011. The Stevens/New School team – called Empowerhouse – will take the competition beyond the Mall by also designing and constructing a second solar-powered house which at the conclusion of the competition, will be joined with the other to create one two-family, semi-detached home for local residents.

"The Empowerhouse project enables students from a number of different disciplines to work together on practical technical solutions to one of the most pressing problems facing the world today," said Dr. Michael Bruno, dean of the Charles V. Schaefer Jr., School of Engineering and Science. "In addition to the learning opportunities, this exciting, highly-competitive project provides an extraordinary opportunity for students to witness first-hand the power of science and technology to improve lives."





## This summer, Stevens unveiled a new logo and overall graphic identity for the University.

The new logo was designed to capture the rich history of the University while also illustrating its forward-thinking focus.

The project began a year ago in anticipation of the 140th anniversary of Stevens. After a significant design process, including a series of intensive and wide-reaching focus groups and a campaign hosted on our Facebook page, a final logo design was introduced. Of the nine iconic items and themes that emerged most often in the discussions, six were incorporated into the final logo. These notable and valued associations with Stevens include the Hudson River; the Edwin A. Stevens building, which was the original home of Stevens when it was established in 1870; stars, as mentioned in the Stevens motto, *per aspera ad astra* and the Calder Star, made famous by distinguished artist and alum Alexander Calder; the legacy of innovation left by the Stevens family; and of course, the “S” of Stevens.

*The new University branding is an important milestone in the Institutional Progress we’ve made to-date, and just the beginning of what’s to come at Stevens.*



**STEVENS**  
INSTITUTE of TECHNOLOGY  
THE INNOVATION UNIVERSITY

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