



# CAPITOLS *and* COMMUNITIES



NEWS FROM THE OFFICE OF GOVERNMENT AND COMMUNITY RELATIONS

## Report Finds Stony Brook University Drives Region's Economy



*Stony Brook University Campus*

Stony Brook University's annual economic impact on Long Island totals an impressive \$7.23 billion in increased output, according to an [economic impact report](#) compiled by [John A. Rizzo](#), Professor of Economics and Population, and supported by the University's economic development office.

The report demonstrates the institution's vast economic influence on the regional and global economy. In addition to the \$7.23 billion in increased output, the analysis highlights \$2.39 billion in earnings and 54,637 local jobs. Also, the University's graduates increased aggregate economic output worldwide by \$15.3 billion, supporting an impressive 99,815 jobs.

With almost 15,000 employees, Stony Brook is Long Island's largest single site employer. The study found that when including additional jobs related to Stony Brook's economic impact, the University's economic activity supports eight percent of all jobs in Suffolk County and accounts for three percent of all economic activity in Nassau and Suffolk Counties.

The study employed a methodology developed by the Bureau of Economic Analysis known as Regional Input-Output Modeling System (RIMS II). Results are in line with similar studies from other public Association of American University institutions.

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### Up in Albany

#### Legislators Cut Ribbon on New Wastewater Research Facility

The ribbon was cut for Stony Brook University's Clean Water Technology Center's new [Wastewater and Innovation Research Facility](#). State Legislators, including [Assemblyman](#)



Local legislators, members of the New York State Center for Clean Water Technology at SBU, and SBU leadership were on hand for the ribbon cutting celebration July 9. Photo by David Luces

[Steve Englebright](#) and [Senator Todd Kaminsky](#), both Chairs of their respective chamber's Environmental Conservation Committees as well as [Senator Ken LaValle](#) and [Assemblyman Fred Thiele](#) attended.

The facility, located at a Suffolk County Department of Public Works site, will have a constant supply of wastewater and will be a testing site for advanced nutrient removal systems to be used as alternatives to traditional on-site septic systems. The site is located approximately two miles from the main campus and just off of Stony Brook Road.

## Assemblyman Thiele visits Calverton Business Incubator



Assemblyman Fred Thiele (right) and Joann Scalia (2nd right) met with (l-r) Peter Donnelly and Matthew Stadler of the Office of Economic Development and business owners of Copia Granola and Doug's Lemonade

State Assemblyman Fred Thiele along with Joann Scalia, Chief of Staff to Senator Ken LaValle, recently visited Stony Brook University's [Business Incubator at Calverton](#) Incubator for an update on tenant usage and a walk-thru of the facility.

This unique business incubator was conceived by both legislators as an economic engine to enhance eastern Long Island's agricultural, aquacultural and environmental industries. The site offers lab space, offices, conference rooms and a state of the art commercial kitchen for food production

While there, they received samples from Grace Marie Longinetti, owner of [Copia Granola](#), and Doug Toledo, owner of [Doug's Lemonade](#), who manufacture and package their product at the incubator.

## On the Hill

### Two Faculty Honored with Prestigious PECASE Awards



[Joanna Kiryluk, PhD](#) and [Sandeep Mallipattu, MD](#) have been named recipients of the [Presidential Early Career Award for Scientists and Engineers \(PECASE\)](#) - the highest honor bestowed by the US government to outstanding scientists and engineers who are beginning their independent research careers and show exceptional promise for leadership in science and technology. The PECASE acknowledges the contributions scientists and engineers have made to the advancement of science, technology, education, and mathematics (STEM) education and to community service as demonstrated through scientific leadership, public education, and community outreach.

[Read the full story](#)

Dr. Joanna Kiryluk and Dr. Sandeep Mallipattu

## GSO President Interns with SBU's Office of Federal Relations in Washington, DC

Xiaoqing Zhang, a doctoral candidate in the School of Health

*Technology and Management and President of GSO, shares her experience as an intern.*

"Interning with Stony Brook's Office of Government Relations in Washington, DC, this summer was such a valuable educational experience that has better prepared me to be a strong and effective advocate for scientific research funding and other important issues as I continue to represent the graduate students of Stony Brook University.

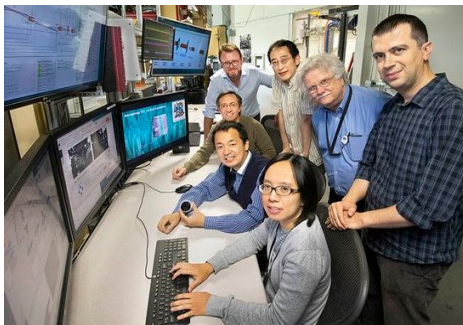
Since I joined Stony Brook as a PhD student in the School of Health Technology and Management in Fall 2016, I served as a senator and a treasurer of the Graduate Student Organization (GSO) until I was elected as a GSO president in May 2019. In these three years of working closely with the GSO Executive Committee and Senate, I found myself very interested in federal policy and funding related to scientific research. Working with the federal relations arm of Stony Brook's Office of Government Relations, I learned the crucial importance of effectively advocating for scientific research and understanding how federal policies affect graduate students' research, work, and life. My internship provided me with a comprehensive view of the critical impact that public policy has on scientific research regarding both funding and regulations, as well as a rare opportunity to observe and participate in advocacy efforts on Capitol Hill."



*Xiaoqing Zhang*

[Read the full story](#)

## Nanowire Research Could Advance Harvesting of Solar Energy



*Stony Brook and BNL scientists at the Inner-Shell Spectroscopy beamline of Brookhaven Lab's National Synchrotron Light Source II (NSLS-II).*

New research on nanowires that could facilitate the harvesting of solar energy has been published by a team of scientists from Stony Brook University, Brookhaven National Laboratory and the Naval Research Laboratory.

[Read the full story](#)

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## In Our Community

### Mechanical Engineering Students Make An Impact With "Go Baby Go" Project

The Stony Brook University Student Chapter of the American Society of Mechanical Engineers (ASME) strives to help students develop professionally and to familiarize students with the engineering industry by providing exposure to real-world applications. ASME is dedicated to helping students use their practical knowledge to support their community. The organization's faculty advisor, Professor Anurag Purwar, introduced the students to Keep Moving Forward (KMF), a state-of-the-art, intensive physical therapy outpatient center in Garden City, Long Island. ASME's collaboration with KMF has been centered around "Go Baby Go," a project that falls directly in line with the goals of the organization. The Go Baby Go project involves modifying off-the-shelf toy cars to allow access and mobility for special needs children between the ages of 2 and 7.



*Mechanical Engineering students with modified toy car*

[Read the full story](#)

## Engineering and Medicine: A Symbiosis That Promises Real-World Miracles



*Engineering-driven medicine can enhance hands-on patient care.*

"The future of medicine will be the convergence of computers, nanotechnology, sensors, and new materials with biology and medicine," says [Fotis Sotiropoulos](#), Dean, College of Engineering and Applied Sciences at Stony Brook. "This brings with it the possibility to greatly improve clinical care and outcomes."

In anticipation of that future, Stony Brook in 2017 procured a \$75 million state grant for a new institute where new medical devices and treatments will be developed and commercialized. The building, an approximate 60,000-square-foot complex, will house the Institute for Engineering Driven Medicine. Expected to be completed by August 2021, the center is projected to bring 150 jobs into the local economy.

But the potential impact of Stony Brook research on the community, and the world, transcends mere numbers. Operating at the intersection of engineering and biomedical sciences, scholars and physicians at Stony Brook are working on technology that could revolutionize patient care.

[Read the full story](#)

## NASA Selects SBU Team To Collaborate on Space Research

Stony Brook University's RISE2 team is one of eight research teams chosen by NASA to collaborate on research into the intersection of space science and human space exploration as part of the Solar System Exploration Research Virtual Institute ([SSERVI](#)).

RISE2 - Remote, In Situ, and Synchrotron Studies for Science and Exploration 2 - is led by Timothy Glotch, a professor in the College of Arts and Sciences [Department of Geosciences](#). Under his direction the team will investigate how planetary environments impact human health by looking at the chemical reactivity of regolith in association with animal cells and tissues. RISE2 also will analyze how remote sensing datasets can be confirmed through laboratory experiments, analyses, and field deployments.



*Timothy Glotch*

[Read the full story](#)

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## Upcoming Events

**Monday, August 5, 2019**

[2019 Seawolves United Golf Classic](#)

**Tuesday, August 6, 2019**

[Simons Center Art and Science Program Tuesday Concert Series](#)

**Friday, August 16, 2019**

[Concert Under the Stars & Laser Light Show Featuring the West Point Benny Havens Band](#)

**Wednesday, August 21, 2019**

[Minds & Vines Lecture at Harmony Vineyards](#)

Topic: Long Island's Great White Shark Research

**Tuesday, August 27, 2019**

[Give Kids a Smile Day](#)

Hundreds of children to receive free oral healthcare at annual event at Stony Brook School of Dental Medicine

**SAVE THE DATE:**

**Saturday, September 21, 2019**

CommUniversity Day will highlight the campus through hands-on, interactive activities, fun entertainment, exciting tours, and thought-provoking mini-talks. Free and open to all.

**Saturday, October 5, 2019**

Homecoming

Festival & Football Game



**Contact Information:**  
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 **Stony Brook University** **FAR BEYOND**

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