



# Center of Excellence

WIRELESS AND INFORMATION TECHNOLOGY

AT STONY BROOK UNIVERSITY

## NEWSLETTER

FEBRUARY 2016

CEWIT is an unparalleled resource, advancing the science and technology underlying the next epoch of the information revolution.



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# FEBRUARY COVERAGE: Machine Learning Symposium · Business Development at CEWIT · Research News · CEWIT2016 Call for Papers

Our colleagues at the New York Academy of Sciences host their 10th Annual Machine Learning Symposium, check out how 2015 speaker and Google Research NY Engineer, Dmitry Storcheus, gained valuable exposure (and awards) for his work while connecting with key colleagues in the field.

Feeling Motivated? CEWIT2016 Conference Call for Papers is now open, submit your contribution and join leading researchers, innovators, and entrepreneurs converging to share ideas, build partnerships, and bring cutting-edge technologies to the marketplace.

In-house Advances: FlightPartner Technologies launches new V2 software, Softheon receives 2015 Fierce Innovation Awards' top recognition, and STS Global garners multiple international projects with more on the horizon. CEWIT faculty and students are turning profits with calculated bets, securing our digital world, and advancing research at the intersection of arts and technology.

New York State talks clean technology while the Clean Energy Business Incubator Program at Stony Brook University builds industry growth on Long Island, co-hosts the University's ninth annual Innovation Boot Camp.



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The Next Big Thing:  
CEWIT2016

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# THE NEW YORK ACADEMY OF SCIENCES: 10TH ANNUAL MACHINE LEARNING SYMPOSIUM

## LEARN HOW 2015 SPEAKER & GOOGLE RESEARCH NY ENGINEER, DMITRY STORCHEUS, CONNECTED WITH COLLEAGUES ACROSS THE GLOBE

You likely use machine learning every day without knowing it—but what is it? Machine learning is a sub-field of computer science that involves developing mathematical algorithms that discover knowledge from specific data sets, and then "learn" from the data in a way that allows predictions to be made. Applications like search engine results, illness prediction in medical diagnosis, credit card fraud detection, and stock market analysis rely on machine learning; even Netflix and Amazon use machine learning to predict other content and consumables that may be of interest to the users.

Academy Member and 2015 Machine Learning Symposium speaker, Dmitry Storcheus, is an engineer at Google Research NY, where he specializes in the research and implementation of dimensionality reduction. An invitation to present at the Symposium led not only to an award, but also connected this researcher with others in his field across the globe. The New York Academy of Sciences asks him the two big questions:

### What initially drew you to the field of machine learning?

I was drawn to the field because of the remarkable power of machine learning tools to learn and forecast patterns in data. I remember an article from 2011 about scientists from Stanford who were able to use machine learning to study breast cancer with their algorithm (called C-Path) using microscopic images. They reported that the algorithm was more accurate than human doctors in predicting survival, which was amazing for me at that time. The success of machine learning combined with its mathematical rigor inspired me to conduct research in this field.

### Why did you become a Member of the New York Academy of Sciences?

I was first introduced to the New York Academy of Sciences when I was invited to give a talk at the 9th Annual Machine Learning Symposium at the Academy. My talk was very well received by the Members of the Academy, and they awarded me with an Honorable Mention. I think that the Academy is doing a wonderful job of connecting researchers all over the world at conferences and other venues. Moreover, being its member gives me a chance to interact with the leading Machine Learning scientists not only from America, but also from the world as well.

## THE SYMPOSIUM

From its initial stages in the discipline of artificial intelligence, today Machine Learning has a wide range of applications including natural language processing, search engine functionality, medical diagnosis, credit card fraud detection, and stock market analysis. **The 10th Annual Machine Learning Symposium will be held on March 4, 2016** — the tenth in an ongoing series presented by the Machine Learning Discussion Group at the New York Academy of Sciences — featuring Keynote Presentations from leading scientists in both applied and theoretical Machine Learning.

## KEYNOTES

**Alexander Rakhlin, PhD, University of Pennsylvania**  
*Online Methods for Learning in Social Networks*

**Sebastien Bubeck, PhD, Theory Group, Microsoft Research**  
*New Results at the Crossroads of Convexity, Learning and Information Theory*

Alex Graves, PhD, Google DeepMind  
*Smooth Operators: The Rise of Differentiable Attention  
in Deep Learning*

Ambuj Tewari, PhD, University of Michigan  
*Personalized Mobile Health Interventions*

## LIMITED SEATING, REGISTER TODAY

Visit [nyas.org/ML2016](http://nyas.org/ML2016) for more information, and to register Discounted registration available for Academy Members, students, and postdocs.

Don't miss this event that includes networking opportunities, poster sessions, audience Q&A, and early career investigator Spotlight Talk awards.

## LIVESTREAM AVAILABLE

For off-site & remote participants, the keynote addresses that will be made by Dr. Rakhlin, Dr. Bubeck and Dr. Graves will be presented via Livestream. For timing of keynotes and to view the Livestreams, use this link: [livestream.com/newyorkacademyofsciences](http://livestream.com/newyorkacademyofsciences)

NYAS · FEB 2016



# 10TH ANNUAL MACHINE LEARNING SYMPOSIUM MARCH 4, 2016 · NYC

PRESENTED BY:  **The New York  
Academy of Sciences**

## BUSINESS DEVELOPMENT AT CEWIT FLIGHTPARTNER LAUNCHES ITS SMARTEST SOFTWARE: V2

This February, FlightPartner Technologies Inc., will be launching v2 to the public, which is a faster and more intuitive version of FlightPartner's Air Charter Commerce Platform. The cloud-based solution will enable brokers to easily book private travel for their clientele in a one easy-to-use, automated workflow platform that provides access to aggregated, real-time air charter availability. By opening up this availability to brokers, air charter operators will increase the probability of their aircraft being booked. FlightPartner's technology brings the targeted Request for a Sale (RFS), a term coined by FlightPartner, directly to the operator with the overarching goal of increasing their profitability. Because the company does not charge high subscription fees like other options in the market, their business model is dependent upon bringing the air charter operator a sale, ready for immediate close. FlightPartner is transparent in their pricing, capturing 3% of each operator's successfully completed transaction. [www.flightpartner.com](http://www.flightpartner.com)

## SOFTHEON RECEIVES TOP RECOGNITION, 2015 FIERCE INNOVATION AWARDS: HEALTH PAYER EDITION

Softheon, inc. has been recognized by the 2015 Fierce Innovation Awards: Health Payer Edition, a unique awards program from the publishers of FierceHealthPayer and FierceHealthcare. The Fierce Innovation Awards

recognize pioneering technologies and solutions that will transform the payer landscape. Softheon received top honors in the Data Analytics/Business Intelligence category, recognized for its innovative, industry-leading product, Softheon Marketplace Connector Cloud (MC2).

“Softheon is honored to not only be nominated, but chosen as the winner of the Data Analytics/Business Intelligence Category for the 2015 Fierce Innovation Awards. At Softheon, we are passionate about data; it is our core competency and the cornerstone of our engagements. As we work towards disrupting the healthcare space, this recognition proves that all of our hard work has paid off, and it motivates us to continue pushing forward. Congratulations to the Softheon team!” said Eugene Sayan, Softheon CEO & Founder.

Recently, Softheon launched their Cost-Sharing Reduction (CSR) analysis and reconciliation solution, designed to reduce the administrative burden of Qualified Health Plans (QHPs). With tight guidelines proposed by the Centers for Medicare and Medicaid Services (CMS), Softheon predicts that CSR Reconciliation will become a significant pain point for issuers.

Softheon’s expertise and track record of success with Edge Server and Baseline Reporting has been commended since receiving pass rates for 99% of carriers in 2015; a significant improvement in comparison to previous years. In fact, most CMS exceptions have been appealed by the carrier and overturned due to Softheon’s data accuracy. In addition, Softheon’s data reconciliation stretches beyond that of just enrollment data received from the insurance exchange marketplaces. Daily bank reconciliations are performed to ensure that transactions within Softheon’s system successfully match up to funds deposited into client’s custodial accounts, both through lockbox and merchant service processing channels. Automated processes have been put in place to assist in daily reconciliations, which encompass over 200,000 members. [www.softheon.com](http://www.softheon.com)

## **WHAT’S NEW WITH STS GLOBAL: 10 MONTHS IN BUSINESS, MULTIPLE INTERNATIONAL PROJECTS AND MORE TO COME**

STS Global Inc. has been in business for 10 months and has already achieved some big milestones. As a startup STS Global already is garnering great success winning multiple projects across many verticals earning the respect and trust of major telecom service providers and US government entities to deliver complex communication solutions globally.

David Hershberg, CEO, STS Global, commented, “This is a great accomplishment for our newly formed company. Not only we are keeping our booking on target but these projects will allow us to demonstrate to customers our capabilities in delivering the right technical solution for the application. Getting the trust and confidence of such a well-known telecommunication company and government entities will definitely increase our visibility in the industry.” [www.stsglobal.com](http://www.stsglobal.com)



**STONY BROOK UNIVERSITY INCUBATION PROGRAMS,  
INNOVATION LAB**

## INCUBATOR INTERIM DIRECTOR AND ADVOCATE DESIGNATED

Dr. Jeffrey Saelens, who has led business support efforts for regional entrepreneurs including Stony Brook incubator tenants for the last eight years as Director of the NYS Small Business Development Center on the Stony Brook University campus, was designated Interim Director of Stony Brook's incubators following the retirement of Dr. Anil Dhundale. He will be working with Daniel Polner, an SBDC Certified Business Adviser with twenty years' experience in investment banking, who will become the first Incubator Advocate, maintaining ongoing contact with incubator clients regarding their business goals, plans and needs, to ensure they are making full use of all available campus and regional resources to address their technology and business development objectives. Polner will be housed in the Long Island High Technology Incubator administrative office and can be reached at [daniel.polner@stonybrook.edu](mailto:daniel.polner@stonybrook.edu), 631-444-8888.

## INNOVATION LAB: HOW DID I 'DOIT' SERIES

On March 2, 2016 the Stony Brook University Innovation Lab hosts Peter Cotter, Long Island-based entrepreneur who sold his company, Blue Point Brewery, to Anheuser-Busch Inbev. Pete made his first 5 gallon batch of brew in his Holbrook kitchen in 1986. Bit by the travel bug, Pete covered over a million miles internationally (as well as literally every small-midsize town in the USA) which exposed him to some of the greatest breweries in the world, many being small and local. Sometimes coming home was hard for Pete as Long Island hadn't seen a local brewery since 1952. He thought it deserved better. So in December of 1998 he and his partner mortgaged their homes, maxed their credit cards and opened The Blue Point Brewing Company. The local demand quickly exceeded his dreams and Blue Point became the fastest growing brewery, out of the top 50, in the USA. Blue Point was recently purchased by the largest brewery in the world Anheuser-Busch Inbev, which allows Pete to bike, fish and enjoy time with his wife and 2 children. **More information and to RSVP.**

## CEWIT, STONY BROOK UNIVERSITY RESEARCH NEWS

### CEWIT FACULTY AND COMPUTER SCIENCE PROFESSOR STEVEN SKIENA TURNS A PROFIT WITH CALCULATED BETS

Distinguished Teaching Professor Steven Skiena and his students studied the obscure game of jai alai and developed a successful betting system that proved to be very profitable.

Jai alai is a Basque game that is played on a court similar to racquetball or handball. It is popular with gamblers in South Florida, which is where Skiena was first introduced to the game. He and his team used algorithms — programmed procedures for making decisions — and computer models to break the system and quickly beat the world of jai alai betting. During a six-month period, Skiena's system produced 500 percent profits.

Calculated Bets, Skiena's book on the subject, has gained much attention from stock traders. "Building a system for jai alai betting was harder than I thought it would be," he said. "The betting community was small enough that you bet against yourself. In trading, the community is larger so that is not an issue."

Skiena now teaches computer science students how similar models can be applied to normal business and economic decisions.

Professor Skiena gave an interview on Bloomberg Business' Odd Lots radio show about his system.

**Episode 13: How One Professor Made a 500% Return By Gambling On An Obscure Sport**

Everyone dreams of being able to win almost every time when gambling. Of course, whether it's black-

jack, horse betting, poker or the stock market, it's really hard to consistently win. But one professor, armed with advanced mathematical knowledge and computers, was able to beat the system while gambling on the obscure sport of Jai Alai. In this week's Odd Lots podcast, Steven Skiena, who teaches computer science at Stony Brook University in New York, tells the story of how he made 500 percent on his money in six months by gambling on Jai Alai. Skiena also explains how his approach applies to much bigger arenas, including algorithmic trading on the stock market.





Stony Brook University established the National Security Institute (NSI) in September 2014. NSI's goal is to become a world leader in research and security technology, education, business and policy, and raising awareness. NSI spans multiple disciplines and establishes public-private partnerships to develop new holistic socio-technological solutions for securing the world's highly digital societies. It also engages in the education of professionals in defense, national and cybersecurity, assurance, healthcare and policy. A comprehensive assurance education program trains not only Stony Brook students but also the broader corporate and academic community. NSI's team of experts has helped launch successful security-centric technology startups.

Dr. Radu Sion (pictured above and center with NSI students), an associate professor of computer science at Stony Brook, is NSI's Director: "We are extremely proud to be at the forefront of today's cybersecurity research. To this end, we continuously strengthen our research team and capabilities. In the past 12 months alone, NSI-affiliated researchers have been funded with more than \$8 million. According to the National Science Foundation, we are among the largest recipients of awards in the 2015 Secure and Trustworthy Cyberspace Program."

Following are some of the current externally funded NSI research projects lead by joint Computer Science and CEWIT faculty:

## **Fighting Cybercriminals**

The cybercriminal community is more organized, better resourced and more motivated than ever to perpetrate massive-scale computer infections across the Internet. The malware distribution systems that they control and operate are characterized by their use of highly specialized suppliers and commoditized

malware services. Therefore, criminals with little technical expertise can deploy and administer sophisticated exploit kits and instantiate malicious-content advertising (malvertising) campaigns that infect thousands of innocent victims. Long Lu, and assistant professor of computer science at Stony Brook, was awarded \$1.6 million from the National Science Foundation to develop technologies that provide deeper insights as to how malware distribution systems are deployed, operated and interlinked with open web sources. This project is a collaboration with SRI International and the University of Illinois at Chicago.

## **Strengthening Personal Privacy**

Donald Porter, assistant professor of computer science, and Radu Sion received funding in collaborative international research to study practical plausibly deniable encryption — the ability to hide that given data is on a device, whether the ability exists to decrypt it, or even that the data exists. Plausible deniability is a powerful property to protect data on devices the user has lost physical control over, such as protecting consumers from accidental mass disclosures of private data through misplaced devices. This issue is of particular concern for anyone who travels internationally with sensitive data, including human rights workers, diplomats, military personnel or business travelers. The project is also creating novel teaching materials for low-level flash programming — an increasingly common facet of computer systems that is not widely understood.

## **Defeating Excessive Web User Tracking**

The ability to track users and their online habits is essential to many online businesses, in particular, the advertisement industry. However, when pursued too aggressively, it intrudes on user privacy and even leads to online crimes. Recent research has shown that tracking companies have started using advanced web

tracking techniques that are subtler and less transparent than traditional online tracking. The ever-increasing adoption of mobile devices further exacerbates the tracking problem since these devices are saturated with personal information, while the details of mobile-specific tracking techniques are largely unknown. Nick Nikiforakis, an assistant professor of computer science, and Long Lu received funding from the NSF to study cross-application and cross-platform tracking of web users. First they are investigating current and upcoming tracking techniques used in traditional and mobile platforms. Then they will design and develop effective and lightweight anti-tracking systems that go beyond the current state of the art. This research will help to better understand unwanted online tracking and provide users with the tools and knowledge to control the dissemination of their private information.

### Achieving System Resilience through Diversity

In cyberspace, as in many other domains, diversity provides resilience and is a robust defense against attacks. Many methods of varying computer programs have been proposed to produce diversity from a given initial program. However, these techniques do not vary the core or essence of a program — the algorithms it embodies — and therefore cannot achieve full diversity. Attaining essential diversity requires an algorithm design method that is both powerful and systematic: powerful so that it is able to generate fundamentally different new algorithms, and systematic so that it is able to best explore the large design space to ensure the desired resilience through diversity, while also ensuring algorithm correctness and efficiency. Scott Stoller and Annie Liu, professors of computer science, aim to develop such a method with funding they received from the US Navy Office of Naval Research to study algorithm diversity for resilient systems. This is a unique research endeavor because it is an entirely new dimension for systematic algorithm design.

### Mobile Authenticating for Smart Phones

Today's societies are linked through a vast set of technology-driven networks, mostly mobile based. People with mobile devices become the real-time eyes of the rest of the world, providing insights into remote, hard to access sites and events. However, in critical politically and socially charged settings, it is difficult to determine an acceptable level of trust, especially as current technologies allow easy forging, manipulation and fabrication of data. Radu Sion, in a collaborative study with Florida International University's Bogdan Carbanar, received NSF funding to study hardware-enforced authentication for mobile systems. They will design and build technology that will endow mobile data with increased authenticity and integrity assurances, primarily "liveness" assurance — proof that the data has been captured live on the actual mobile device and has not been fabricated. The project will investigate, develop and evaluate a framework for secure and efficient sensor-based mobile data verification mechanisms. Ultimately, this research will help establish the credibility of mobile and social media, acting as the required witness to the authenticity of reported data.

As part of a New York SUNY 2020 Interdisciplinary Hiring Initiative, NSI is recruiting faculty whose research interests span a wide spectrum of areas, including Computing Hardware Security, Cloud Computing and Distributed Systems Security, Health Technologies Security, Security and Privacy in Online Social Networks, Big Data Security and Privacy, and Regulatory Compliance and Policy among others.

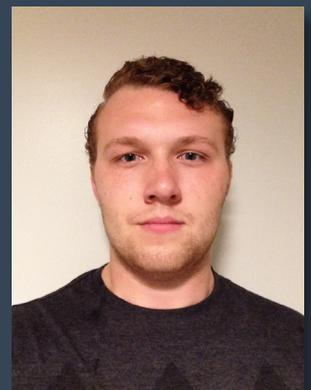
For more information, email [info@nationalsecurityinstitute.org](mailto:info@nationalsecurityinstitute.org) or call (631) 632-8470; overview of CEWIT Faculty Research at [www.cewit.org/research](http://www.cewit.org/research).

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## STUDENT FOCUS

### ALEXANDER NODELAND: SUPERCOMPUTERS FOR AUDIO RESEARCH AND DEVELOPMENT

For the latter half of his undergraduate career, Alex worked under Professors Yuefan Deng and Łukasz Orłowski of Stony Brook University's Applied Mathematics and Statistics Department on applying graph theory to discover optimal supercomputer interconnects. His interests also include biomedical engineering, artificial neural networks, and phenomenology. In the Fall of 2015 he coordinated Stony Brook's involvement in the worldwide InfiniCortex project as well as joined the University's Consortium for Digital Arts, Culture, and Technology (cDACT) workgroup, now occupying the joint cDACT/CEWIT STEAM (Science, Technology, Engineering, *Arts*, Math) residency here at CEWIT. The residency, stemming from the joint initiative between CEWIT and cDACT, is a catalyst for new research and serves as the basis for collaboration between two of Stony Brook's dynamic and forward-looking associations.



As artists and musicians have been spearheading more effective communication of complex data and scientific information through visualization and sonification, the mutually beneficial cDACT/CEWIT partnership directly addresses cDACT's mission to foster and support collaboration in the arts, culture, and technology and the fusion of artistic creative processes with scientific methods furthers CEWIT's goals of being recognized as a world leader in interdisciplinary research, generating broadly skilled technology workers, and fostering new enterprises.

Alex has advanced to the Ph.D program in Computational Applied Mathematics at Stony Brook and continues to work with faculty on campus and at CEWIT to advance his research at the intersection of the arts and technology. His upcoming talk, Supercomputers for Audio Research and Development, will be held on April 20, 2016, from 1:15pm-2:15pm at the Institute for Advanced Computational Science.

Abstract: Supercomputers with mind-boggling speeds and mathematics with machine-learning sophistication are introduced to research and development for creating ground breaking audio products by joint efforts of applied mathematicians, musicians and industrial partners. One of our models will map the frequency spectra of the modulator instrument to the carrier instrument, creating an expressive instrument synthesizer. The state-of-the-art audio synthesis and modeling will not only revolutionize the modern commercial music industries with the highest quality of synthesizers as a musical instrument but also lift the standards of forensic audio and medical applications of audio as well as restoration and preservation of legendary audio, nurturing a multi-billion dollar market.

## CEWIT2016 CALL FOR PAPERS

### CONTRIBUTE TO THE LEADING IT RESEARCH SHAPING THE SOLUTIONS OF TOMORROW: THROUGH MAY 1, 2016



Gaining recognition as one of the leading IT conferences, CEWIT2016 is the premier international forum on the developments and applications of emerging technologies in infrastructure, healthcare, and energy, three of the most critical components of a smarter global environment. With over 175 participating organizations and 500 attendees, CEWIT2016 is a destination for disseminating cutting edge ideas in information technology and for driving the local, regional, and global innovation economies. CEWIT2016 will be held on November 2 & 3, 2016 at the Melville Marriott Long Island.

#### Area 1 · The Internet of Things (IoT)

Wireless Sensor Networks; Intelligent Sensors/Devices; Collaborative Signal/Image Processing; IoT Applications and Services; Device, Circuit Design, Systems Design; Interface and Control Systems

#### Area 2 – Cybersecurity

Mobile Security; Defenses against Insider Threats, Zero-day, Targeted Attacks, Online Privacy and Anonymity; Vulnerability Analysis; Digital Forensics; Privacy Enhancing Technologies

#### Area 3 – Health Technologies and Medical Devices

Mobile Health; Advanced Medical Imaging; Wireless Telemedicine; Teleradiology; Implantable Sensors; Medication Adherence; Personal Medical Devices

#### Area 4 – Big Data Analytics and Visualization

Data Mining in Business Intelligence; Sentiment Analysis; Visual Analytics; Biomedical and Healthcare

Informatics; HCI; Distributed Robotics; Virtual and Augmented Reality; GPU Clustering

#### Area 5 – Smart Urban Systems

Transportation Infrastructure Sensing, Security; Traffic Simulation and Visualization; Integrated Management Tech for Ubiquitous City; Sensor Network for Utilities; Urban Pollution

#### Area 6 – Smart Energy

Distributed Sensor Networks for Smart Grid; Advanced Metering Structure, Sensor, and RFID Technologies; Energy Efficient Computing; Smart Grid Interoperability; Simulation and Modeling

#### Area 7 – Information Technology and Society

Worldwide Economic Impact of IT; IT in Education; IT as the Job Creation Engine; Social Media; Information Dissemination; Global Impact

# NEW YORK'S TECH TALK: CLEAN TECHNOLOGY

## GOVERNOR CUOMO LAUNCHES STATEWIDE WATER QUALITY, CLEAN TECH BUSINESS INCUBATOR INITIATIVES, GREENLIGHT FOR ENERGY FUND

Governor Cuomo visited CEWIT this past Thursday, February 18th, to announce a series of initiatives to protect water quality on Long Island. Among these initiatives is the \$6 million study of Long Island's groundwater to look for saltwater intrusion and chemical contamination, as well as the further involvement of Stony Brook University's Center for Clean Water Technology in leading the study along with the U.S. Geological Survey and Nassau and Suffolk counties.



Earlier this year, the New York Public Service Commission approved the Governor's proposed \$5 billion Clean Energy Fund. The fund, to be administered by the New York State Energy Research and Development Authority over the next decade, is meant to "accelerate the growth of New York's clean energy economy, address climate change, strengthen resiliency in the face of extreme weather and lower energy bills for New Yorkers, starting this year," according to a statement from Cuomo's office.

Furthermore, the Governor announced that 141 clean technology companies have been supported and primed for further growth through the state's Cleantech Business Incubator initiative. The initiative has attracted more than \$215 million in private capital and created 980 high-quality jobs at the New York-based businesses state-wide.

This continued growth of New York's emerging clean energy economy is a core component of the Governor's Reforming the Energy Vision strategy to build a clean, resilient and affordable energy system. "New York State is committed to supporting the development of the Cleantech industry to reduce our energy consumption and create a more sustainable and resilient community," Governor Cuomo said.

## THE STONY BROOK UNIVERSITY ADVANTAGE: BUILDING A CLEANTECH INDUSTRY ON LONG ISLAND

The Clean Energy Business Incubator Program (CEBIP) at Stony Brook University is one of six cleantech business incubators across the state supported by the New York State Energy Research and Development Authority (NYSERDA). Through the business acumen of industry experts, technological resources, and state-of-the-art facilities at Stony Brook, as well as extensive partnerships throughout the region, CEBIP helps bridge the gap between innovation and market.

CEBIP, in partnership with the Center for Biotechnology, are set to lead Stony Brook University's ninth annual Innovation Boot Camp, giving the big thinkers behind potentially game-changing technologies in clean energy, IT infrastructure, and biotech a golden chance to test their innovations' commercialization potential. **Read the full article at Innovate Long Island.**

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## UPCOMING EVENTS:

March 2016 · Stony Brook University Department of Computer Science Distinguished Lecture Series

March 2, 2016 · Long Island Tech Hall of Fame

March 2, 2016 · Stony Brook Innovation Lab: How Did I 'DoIT' Series with Peter Cotter, Blue Point Brewery

March 4, 2016 · New York Academy of Sciences Machine Learning Symposium

March 7, 2016 · Small Business Development Center: How to Write a Business Plan

April 5, 2016 · Tech Together Happy Hour

April 20, 2016 · IACS Seminar: Supercomputers for Audio Research & Development

April 21, 2016 · Long Island Business Expo

April 25-29, 2016 · Hannover Messe 2016

April 21 & 22, 2016 · Advanced Energy Conference (AEC2016)

November 2 & 3, 2016 · CEWIT2016 Conference

## OUR COMMUNITY:

The Advanced Energy Center

The Center for Advanced Technology in Diagnostic Tools and Sensor Systems (Sensor CAT)

The Center for Biotechnology

The Center for Corporate Education and Training at Stony Brook University

The Center for Dynamic Data Analytics (CDDA)

The College of Business at Stony Brook University

The College of Engineering and Applied Sciences at Stony Brook University

Empire State Development: NYSTAR

IEEE Long Island Section

Long Island Forum for Technology (LIFT)

Long Island High Technology Incubator

Long Island Software and Technology Network (LISTnet)

The New York Academy of Sciences

Small Business Development Center at Stony Brook University



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April 21 & 22, 2016

Jacob Javits Convention Center, New York City