NEWSLETTER
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Up Next in 2018, Hack@CEWIT Returns, New to the Tech Incubator Team, Leading Discoveries, CEWIT2017 Highlights

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

As we approach the new calendar year, please save the date for the CEWIT2018 Conference, October 16-17, 2018 at the Center of Excellence in Wireless and Information Technology (CEWIT) at Stony Brook University.

Based on your much-appreciated comments and feedback, we have decided to schedule the event in mid-October, again here at the Center.

This year, we welcomed over 260 international attendees and 80 technical and business experts in 10 sessions across the two-day event, as well as a 20-company delegation from Israel. In addition to disseminating research findings and innovative solutions to major technical challenges, the conference was well praised for the networking opportunities it provided to those attendees engaged in IT research, development, and technology commercialization.

As it is critical to continue to build strategic alliances and business partnerships among the academic, scientific, and business communities, we are pleased to have your continued support of the conference and we look forward to you again joining us in 2018.

Next up, Hack@CEWIT 2018!

Our thanks and best wishes for a happy holiday season and a happy new year.

Sincerely,
The CEWIT Team
Medical informatics firm ZyDoc Corp. joins the Center of Excellence in Wireless and Information Technology's tech incubator as part of the Stony Brook University Incubator Program

At CEWIT, we’re less concerned with a member company’s age than its ability to promote Long Island’s tech-based economy. Our newest member, 24-year-old tech innovator, ZyDoc, joins our startup haven to continue driving new interdisciplinary enterprise development.

Fitting right in, ZyDoc’s quest for new healthcare-related knowledge-management technologies brings both veteran expertise and cutting-edge innovation to the Center. The well established provider of cloud-based and mobile-app medical transcription platforms has been known, over the past two-and-a-half decades, to constantly reinvent itself.

ZyDoc has reached considerable heights, pivoted and achieved success more than once, starting in 1993, when it developed one of the first widely accepted Electronic Medical Records software suites, which was eventually sold to the U.S. Department of Defense.

In 1999, the already-soaring startup’s speech-recognition medical-language models were bundled into popular Dragon NaturallySpeaking software suites marketed by Massachusetts-based tech company Nuance Communications Inc.

Then, in 2003, ZyDoc shifted gears, refocusing on web-based transcription services and embarking on a new mission to increase physician efficiency, improve patient outcomes, lower malpractice risks and better manage private-practice revenues. At the heart of this effort is MediSapien, the company’s proprietary, enterprise-class, web-based knowledge-management platform, which incorporates disruptive natural-language processing and artificial-intelligence technologies.

Now, with its B2B knowledge-management and data-capture services thriving in the healthcare sector, ZyDoc will look to reset the industry standard again, with its CEWIT-based R&D team leveraging the Incubator Program’s resources and services.
CEWIT chief scientist Dr. Arie Kaufman and distinguished professor of biomedical engineering Dr. Clint Rubin elected 2017 National Academy of Innovators fellows

According to the National Academy of Innovators (NAI), election as an NAI Fellow is a high honor bestowed upon academic innovators and inventors who have demonstrated a prolific spirit of innovation in creating or facilitating outstanding inventions and innovations that have made a tangible impact on quality of life, economic development, and the welfare of society. Stony Brook University distinguished professors Kaufman and Rubin will be inducted as NAI Fellows during its 2018 national meeting in Washington, DC, on April 5.

“The discoveries of Arie Kaufman and Clinton Rubin have made a remarkable impact on the Stony Brook University research enterprise and have helped advance the fields of computer science and biotechnology,” said Samuel L. Stanley Jr., MD, President of Stony Brook University. Professor Kaufman is well known internationally for developing 3D virtual colonoscopy, a licensed an FDA-approved colon cancer screening technology. He is also the chief architect of the Reality Deck, a visualization facility at CEWIT that interprets big data in many fields. Professor Rubin, founding chair of Stony Brook’s Department of Biomedical Engineering, pioneered research in understanding the role of mechanical signals in the musculoskeletal system and has patented technology that includes use of low frequency mechanical signals (vibrations) to combat disease like osteoporosis and obesity.
The Future of Customer Service
Verint CEO Dan Bodner’s keynote address described how artificial intelligence will help shape the future of customer service. In his CEWIT2017 address, he said that consumers are demanding easy and productive interactions when they contact a company. This translates to organizations such as banks placing a high value on customer engagement. “To create a competitive differentiation, banks need to focus on engaging customers,” he said. “Artificial intelligence is a technology that could have a very big impact on this industry.” Melville-based Verint’s $1.1 billion in revenue during fiscal 2017 ranks it among the 10 largest public companies on Long Island.

Smart Manufacturing Insights
JDA Software’s Glen Ceniza shares his experiences from the CEWIT2017 Conference. Though the conference was not focused specifically on supply chain, JDA’s specialty, hearing the impact of digital on human learning, health technologies, smart cities, manufacturing, cybersecurity, and video capture, for Ceniza, reinforced the importance of digital connections between businesses and consumers. Ceniza said, “This conference showed the pervasiveness of the digital connections and how they will increasingly connect all aspects of our lives, both personally and professionally.

CEWIT2017 Student Poster Awards
Stony Brook University Department of Computer Science graduate students Ailsa Yurovsky and Shahira Abousamra take home CEWIT2017 Best Poster awards for their innovative research on Word Embeddings for Genome Annotation with Deep Learning and Automating Lifecycle-Phase Identification in Microscopy Images of Zebrafish Embryos, respectively.
OUR COMMUNITY

The Advanced Energy Center
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 Clean Energy Business Incubator Program (CEBIP)
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 High Technology Incubator
The Manufacturing and Technology Research Consortium (MTRC)
The New York Academy of Sciences
Small Business Development Center at Stony Brook University

UPCOMING EVENTS

March 9, 2018 · New York Academy of Sciences 12th Annual Machine Learning Symposium
February 9, 2018 · Computer Science DLS: Syncretizing Linguistic and Learned Representations in Natural Language Processing
February 16-18, 2018 · Hack@CEWIT 2018, IoT & Security
March 26-28, 2018 · Advanced Energy Conference 2018
October 16 & 17, 2018 · CEWIT2018 Conference & Expo on Emerging Technologies for a Smarter World

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