



# SBPLI INC LIFIRST

SUMMER-FALL 2010 ANNUAL REPORT  
AND NEWSLETTER



## 11TH ANNUAL ROBOTICS COMPETITION

On March 26-27, School-Business Partnerships of Long Island, Inc. (SBPLI) held its 11th Annual Long Island FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition (FRC) at the David S. Mack Sports and Exhibition Complex (Arena) at Hofstra University in Hempstead, New York.

More than 1,200 students from 48 high schools from Long Island, the New York metropolitan area, New Jersey, Pennsylvania, Connecticut and Maryland participated in the competition. Teams received honors and recognition that rewarded design excellence, competitive play, sportsmanship and high-impact partnerships between schools, businesses and communities.

"All teams demonstrated tremendous teamwork, professionalism and strategic thinking, but these winners went above and beyond to overcome the challenges of the competition," said Janet Anderson, Acting Director of School-

Business Partnerships of Long Island, sponsors of the Long Island FRC. "The fun and excitement of the competition was evident as many students, professional mentors, school groups and community members caught the spirit and came to cheer on their favorite teams as engineering and technology at work surpassed the excitement of a championship athletic event."

With the hope of winning one of several coveted awards, high school students worked with professional mentors to design and build a robot over a six-week timeframe using a kit of parts and a standard set of rules. The students gathered to compete with their robots in this year's game, "Breakaway," in which two alliances of three teams competed on a 27-by-54-foot playing field with bumps, attempting to earn points by collecting soccer balls in goals. Additional bonus points were earned for each robot suspended in air and not touching the field at the end of the match.

\* Awards on pages 4-5



In "Breakaway," two alliances of three teams compete on a 27-by-54-foot playing field with bumps, attempting to earn points by collecting soccer balls in goals. Additional bonus points were earned for each robot that is suspended in the air and not touching the field at the end of the match.

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# The Fred Breithut Memorial Golf Outing

The Fred Breithut Memorial Golf Outing will be held on Tuesday, September 14 at Stonebridge Golf Links and Country Club in Hauppauge. The golf outing is being named in honor of Fred Breithut, Founder and Chairman, SBPLI, who passed away on April 26.

Registration and lunch begin at 11 a.m., with a shotgun start to follow at 1 p.m. This year's honorees are business consultant James W. Reed and Mark McLeod of Northrop Grumman.

Mr. Reed previously served as Deputy Commissioner of the Nassau County Office of Consumer Affairs. He has been recognized as a humanitarian for his 30 years of community service and his work with more than 150 not-for-profit organizations. Including in-kind donations, he has raised over \$52 million for local organizations and has received numerous awards and recognition for his work. In 2008, Mr. Reed was an honoree at SBPLI'S 60 Over 60 Gala.

Mr. McLeod recently celebrated his 30th year at Northrop Grumman. He is Manager of the Cyber-Warfare Integration Network, which is responsible for distributed weapon system simulations and operations analysis. His volunteer work includes nine years serving the FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition (FRC), six years as leader of the Hauppauge High School robotics team and mentor for dozens of other FRC teams. He received Northrop Grumman's President's Award in 2007 and SBPLI's Outstanding Volunteer Award in 2008.

Tickets are \$250 per golfer and \$900 per foursome which includes

a round of golf, golf carts, lunch and dinner. Tickets are \$100 each for full dinner with cocktail hour only (no golf). Cocktail hour begins at 6 p.m., with dinner served at 7 p.m.

Sponsorship opportunities are available. All proceeds will be used to help defer expenses associated with SBPLI's annual Long Island FIRST Robotics Competition, which costs more than \$250,000 to host. If you are interested in being a sponsor, e-mail: [wr@scc-cm.com](mailto:wr@scc-cm.com).

Checks may be made payable to SBPLI, Inc. Visit our website at <http://www.sbpli-lifirst.org/golf> to download a registration form. Please send your check and registration form to: SBPLI, Inc., c/o School Construction Consultants, Inc., 190 Motor Parkway, Suite 201, Hauppauge, NY 11788.



Stonebridge Golf Links & Country Club.

## Fred Breithut Scholarship Winners



Robert Drenckhahn (left) and Julia Stanwycks (right), winners of the Fred Breithut Scholarship, pose with members of the Lindenhurst and Plainview-Old Bethpage High School robotics teams and their robots at the Robots & Roses Reception at Farmingdale State College on June 17, 2010.

On June 17, School-Business Partnerships of Long Island announced that Robert Drenckhahn of Lindenhurst High School and Julia Stanwycks of Walt Whitman High School were named winners of the Fred Breithut Scholarship at the inaugural Robots & Roses Scholarship Reception at Farmingdale State College's Ornamental Horticulture Teaching Gardens.

Mr. Drenckhahn was a member of the Lindenhurst High School robotics team, the "Psicotics." Ms. Stanwycks was a member of the Walt Whitman High School robotics team, the "Robocats." Each student was presented with a check for \$1,000 to go toward his/her first semester at Farmingdale State College. The scholarship is worth \$8,000 over the four years at the college.

The Fred Breithut Scholarship, which is named after the late Founder and President of SBPLI, was established in November 2009 in partnership with Farmingdale State College. It is for graduating high school seniors who have met the academic requirements, have participated in the LI FIRST Robotics program and will be entering the freshman class to pursue a degree in science, engineering or technology at Farmingdale State College.

A silent auction was also held, with all proceeds going to benefit the Fred Breithut Scholarship Fund. For more information on SBPLI, or to donate to the scholarship fund, visit [www.sbpli-lifirst.org](http://www.sbpli-lifirst.org).



# In Memoriam of Fred Breithut, Founder & Chairman of the School-Business Partnerships of Long Island

Jan. 24, 1926 - Apr. 26, 2010

On April 26th, SBPLI sadly announced the passing of Fred Breithut, the organization's Founder & Chairman. Mr. Breithut passed away at the age of 84.

Mr. Breithut operated SBPLI for more than 25 years. "There are no words to express the sadness at the loss of this great man. He was a true champion of our youth," said Patricia Sullivan-Kriss, Board Member, SBPLI and Superintendent, Hauppauge School District, upon hearing the news of Mr. Breithut's passing.

Mr. Breithut was born on January 24, 1926 in Brooklyn, New York. After graduating from Flushing High School, he joined the U.S. Navy, where he attained the rank of signalman third class. He fought in World War II at Okinawa and the Pacific Theater. After an honorable discharge, he attended Adelphi College and graduated with a degree in liberal arts and education. After graduating in 1949, he became a teacher at Washington Street School in Franklin Square. While he was teaching, he attended Columbia University at night to obtain a Master's degree in education.

In 1950, Mr. Breithut married Rosetta Copeland, whom he met while they attended Adelphi College. They lived in West Hempstead until 1967, when they moved to Melville.

When Carey High School opened up in Franklin Square during the 1950s, Mr. Breithut became a teacher and later chairman of the school's social studies department. He remained at the Sewanhaka Central High School District for the rest of his career, serving as administrator at Carey High School and later as assistant principal at New Hyde Park, Floral Park and Sewanhaka High Schools. Mr. Breithut continued to work in the school district until 1985.

In 1984, the year before he retired, he founded School-Business Partnerships of Long Island, a non-profit organization focusing on closing the gap between the skills needed in Long Island's business community and the schools that prepare the Island's workforce. Under Mr. Breithut's leadership, more than 100 such partnerships were formed.

In 1999, Mr. Breithut brought the FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition (FRC) to Long Island, in which high school students work with their professional mentors to design a robot that solves a problem using a "kit of parts" and a standard set of rules. Once these young inventors create their 130-pound robots, their teams participate in regional competitions that measure the effectiveness of each robot, the power of collaboration and the determination of students.

The FRC teaches students about friendly competition, teamwork, problem solving and gracious professionalism. In the first year of competition, eight teams took part. In 2010, forty-eight teams — including teams from the metropolitan New York area, New Jersey, Pennsylvania, Connecticut and Maryland — participated in the Long Island Regional.

In 2010, SBPLI awarded the first-ever Fred Breithut Scholarship in his honor. The scholarship goes to an incoming student at Farmingdale State College who pursues a degree in engineering, science or technology.

Christina Puplava, former Board Member, SBPLI, participated in the robotics program and competed in the Long Island Regional FRC while she was a student at Sachem High School. She went on to earn a Bachelor's degree in mechanical engineering from Rochester Institute of Technology. She is currently an assistant engineer at Northrop Grumman.

"Fred Breithut truly changed my life. Through the FIRST robotics program, Fred took me under his wing while I was in high school and college and helped me become the person I am today. He helped me garner networking contacts that I have kept throughout my professional career and I could never fully express how grateful I am for having him be a part of my life. I will miss him greatly and will always keep him in my fondest memories," Ms. Puplava said.

"This is what Fred sought to accomplish throughout his life," said Claudia Nolan, Mr. Breithut's daughter. "He must have impacted tens of thousands of young people, helping them prepare for life after the classroom."

In order for younger students to become interested in science and technology, Mr. Breithut established the FIRST LEGO League (FLL) on Long Island, a partnership between FIRST and The LEGO Group. Considered the "Little League" of the FRC, the FLL extends the FIRST concept of inspiring and celebrating science and technology to students ages 9 to 14 using real-world concepts and hands-on experimentation. Over the past six years, the number of teams in FLL has grown from 13 to 92.

Mr. Breithut was recognized for his service to his community. He received the ExecuLeaders Lifetime Award for his leadership in the non-profit sector in 2006, and the Nassau BOCES Education Partners Award in 2007. He was also a 2007 inductee into the Long Island Volunteer Hall of Fame as Founder of SBPLI, Inc. In 2009, he was a semifinalist for the Energizer Hall of Fame Award.

"You could never say to him, 'You cannot do it'

because he would find a way to get it done," Ms. Nolan said. "He liked to march to his own song. He was very independent, but he was also very sensitive and very perceptive."

Dr. Mary Ellen Freeley, Board Member, SBPLI and Associate Professor, Department of Administrative and Instructional Leadership, St. John's University, met Mr. Breithut in 1988 while she worked at the Malverne Union Free School District. At the time of his passing, she said, "My heart is heavy at this very sad news. I have always admired his commitment to our students and our schools. His leadership will be sorely missed."

Other Board and Council members also remembered Fred Breithut. "Our entire organization is mourning the loss of its founder and inspirational leader. Fred lived a life that is a model for all of us," said Janet Anderson, Acting Director, SBPLI. "After he 'retired,' he spent another 25 years working to build a better future for Long Island's young people. He always had the vision, persistence and tireless devotion to moving our organization forward."

"I am very sad to hear of the loss of my good friend Fred Breithut, an innovator and an inspirational leader who has undoubtedly touched the lives of many," said New York State Senator Owen Johnson. "Fred envisioned and created a tremendous learning environment for students involved in science and technology through the incredibly successful Long Island Regional FIRST Robotics Competition. As the founder of the School-Business Partnerships of Long Island, Fred's legacy will be felt well into the future in the partnerships created between schools, businesses and communities throughout Long Island."

"I've had the honor of knowing Fred for 28 years," said Frank Saracino, Board Member, SBPLI and former Superintendent, East Meadow School District. "On this sad day, I mourn his loss as a friend. I will always reflect on the importance of making decisions that consider the needs of our youth and thank Fred for what he has achieved and done for them. Our mover and shaker is gone. We will miss him."

Mr. Breithut is survived by his wife Rosetta; his daughter Barbara and her husband, Keith McDonald; his daughter Claudia and her husband, John Nolan; his grandsons Michael Frederick Nolan, John Nolan, USMC, Jim Nolan and Jim's wife, Jessica; his grandson Chris Nolan and Chris' wife, Michelle; his granddaughters Katie Nolan and her husband, Ryan Kelly; his granddaughter Barbara; and his great-grandchildren Connor, Sarah, Keily, Christopher and James Patrick.





**Suffolk County**

- |                   |                   |
|-------------------|-------------------|
| Bay Shore         | Pierson           |
| Connetquot        | Sayville          |
| Comsewogue        | Sachem            |
| Copiague          | Smithtown         |
| Deer Park         | Southold          |
| Hauppauge         | Walt Whitman      |
| Lindenhurst       | West Babylon      |
| Longwood          | West Islip        |
| Miller Place      | Westhampton Beach |
| Mount Sinai       | William Floyd     |
| Patchogue-Medford |                   |

**Nassau County**

- |                    |                        |
|--------------------|------------------------|
| Baldwin            | Malverne               |
| Bethpage           | Oceanside              |
| Carle Place        | Plainedge              |
| Cold Spring Harbor | Plainview-Old Bethpage |
| Division Avenue    | Port Washington        |
| Freeport           | Roosevelt              |
| Great Neck South   | Uniondale              |
| Hicksville         | Westbury               |
| Island Trees       | The Wheatley School    |
|                    | W. T. Clarke           |

**Teams From Other Regions**

- Aviation High School, L.I.C., NY  
 William E. Grady High School, Brooklyn, NY  
 Kent School, Kent, CT  
 Queens Vocational School, L.I.C., NY  
 St. Joseph's High School, Metuchen, NJ  
 Pittsburgh Central High School, Pittsburgh, PA  
 Bloomberg & McKee Vocational High Schools, Staten Island, NY  
 Hammond HS-Wilde Lake HS, Columbia, MD

- BAE Systems  
 DeVry College of NY  
 Farmingdale State College  
 FESTO Corporation  
 Gershow Recycling  
 Hofstra University  
 Northrop Grumman  
 School-Business Partnerships of Long Island, Inc.  
 Senator Owen Johnson  
 SUNY Stony Brook

At the 11th Annual Long Island FIRST Robotics Competition, SBPLI named Lorraine Greenwald, Dean of Farmingdale State College's School of Business, and Pat Hughes, a retired schoolteacher from the Miller Place School District, as its Volunteers of the Year. The Fred Breithut Award went to Jonathan Simon of Longwood High School Robotics Team #564. Alan Rappaport, mentor for the Plainview-Old Bethpage JFK High School Robotics Team #353, received the Regional Woodie Flowers Award. Winners of the Dean's List Finalist Award were Brian Jaworski of the Walt Whitman High School Robotics Team #2161 and Nick Panzarino of the Westhampton Beach High School Robotics Team #3171.



Charles Keeling, Gershow Recycling (right), volunteering as safety inspector for the Regional FRC, is joined by the Patchogue-Medford High School robotics team.



Two robots fight to retrieve one of the soccer balls during an FRC Match



Members of the Girl Scouts of Nassau County "LEGO Starz" try to hide their excitement at the FLL "Smart Move" tournament.

# Robotics Competitions Results & Awards

**Regional Chairman's Award\***

Team 2638, Great Neck South High School, Great Neck, NY

**Regional Engineering Inspiration Award**

Team 533, Lindenhurst High School, Lindenhurst, NY

**Regional Winner #1**

Team 271, Bay Shore High School, Bay Shore, NY

**Regional Winner #2**

Team 263, Sachem High School, Lake Ronkonkoma, NY

**Regional Winner #3**

Team 358, Hauppauge High School, Hauppauge, NY

**Regional Finalist #1**

Team 514, Miller Place High School, Miller Place, NY

**Regional Finalist #2**

Team 3171, Westhampton Beach High School, Westhampton Beach, NY

**Regional Finalist #3**

Team 870, Southold High School, Southold, NY

**Regional Finalist #4**

Team 1546, Baldwin High School, Baldwin, NY

**Chrysler Team Spirit Award**

Team 564, Longwood High School, Middle Island, NY

**Delphi Engineering Excellence Award**

Team 271, Bay Shore High School, Bay Shore, NY

**General Motors Industrial Design Award**

Team 870, Southold High School, Southold, NY

**Johnson & Johnson Gracious Professionalism Award**

Team 358, Hauppauge High School, Hauppauge, NY

**Kleiner Perkins Caufield & Byers Entrepreneurship Award**

Team 1601, Aviation High School, Long Island City, NY

**Motorola Quality Award**

Team 1803, Port Washington High School, Port Washington, NY

**Rockwell Automation Innovation in Control Award**

Team 2641, Pittsburgh Central Catholic High School, Pittsburgh, PA

**Xerox Creativity Award**

Team 1606, Division Avenue High School, Levittown, NY

**Highest Rookie Seed Award**

Team 3137, Connetquot High School, Bohemia, NY

**Imagery Award**

Team 1626, St. Joseph's High School, Metuchen, NJ

**Underwriters Laboratory Industrial Safety Award**

Team 2638, Great Neck South High School, Great Neck, NY

**Rookie All Star Award**

Team 3137, Connetquot High School, Bohemia, NY

**Rookie Inspiration Award**

Team 3171, Westhampton Beach High School, Westhampton Beach, NY

**Website Award**

Team 353, Plainview-Old Bethpage High School, Plainview, NY

**Judges Award**

Team 884, Malverne High School, Malverne, NY

**Coopertition™ Award**

Team 271, Bay Shore High School, Bay Shore, NY

**Musical Theme Contest Award**

Plainedge High School, No. Massapequa, NY

\* The Chairman's Award is the most prestigious award of the event and recognizes the team that embodies the goals and purpose of FIRST and best represents a model for other teams to emulate.

**6TH ANNUAL SBPLI-LI FIRST LEGO LEAGUE CHAMPIONSHIP TOURNAMENT**

Following eight weeks of research and design, 48 teams from elementary and middle schools across Long Island demonstrated their problem-solving skills, creative thinking, teamwork, competitive play and sportsmanship at the 6th annual Long Island FIRST (For Inspiration and Recognition of Science and Technology) LEGO League (FLL) Championship Tournament, "Smart Move," that took place on February 28 at Longwood High School in Middle Island. Two Qualifying Tournaments were held at the Berner MS in Massapequa in which 78 teams competed for the 48 places in the Championship Tournament. A total of 92 teams registered for the season. The Jr. FLL Expo for teams of students ages 6-9 was held simultaneously with the Championship Tournament. The Tournaments and Expo were sponsored by School-Business Partnerships of Long Island, Inc. (SBPLI).

This year, FIRST collaborated with Susan Zielinski at the Center for Advancing Research and Solutions for Society at the University of Michigan; David Doerr, a software development engineer at General Motors Corporation; and Chris Locke, a software engineer for Garmin, to create a theme and challenge missions reflective of one of the most relevant topics today: how we can transform our system of transportation.

In addition to the team awards, Dave Meyer, Coach, Port Washington Congobots — Team #27, was named the Long Island FLL 2010 Volunteer of the Year. Mr. Meyer has been involved with FLL for the past six years.

**Champion's Award**

Team 2948, Rockbots, East Rockaway

**Robot Design Award**

1st Place: Team 9171, Dust Bunnies, Locust Valley  
 2nd Place: Team 6878, Panthers, Bellport MS

**Programming Award**

1st Place: Team 1039, Chief Chargers, Massapequa  
 2nd Place: Team 2941, Island Bots, Stony Brook

**Research Quality Award**

Team 3682, Ice Breakers, GSNC

**Innovative Solution Award**

Team 199, Sewanhaka Cobras, Floral Park

**Creative Presentation Award**

Team 8080, Catastrophic Moves, GSNC

**Robot Performance Award**

1st Place: Team 2941, Island Bots, Stony Brook  
 2nd Place (tie): Team 1090, Peaced Together, Bayport  
 2nd Place (tie): Team 3642, LEGO Chicks, GSNC

**Teamwork Award**

1st Place: Team 8779, Copiague Journey, Copiague  
 2nd Place: Team 5360, Fill in the Blanks, Manhasset

**Rising Star Award**

Team 1090, Peaced Together, Bayport

**Judge's Award**

Team 10359, Green Lightning, Locust Valley

**Team Spirit Award**

Team 3628, Knights, Sayville

**Gracious Professionalism Award**

Team 7745, LEGO Starz, GSNC



# SBPLI HOLDS 2ND ANNUAL 60 OVER 60 GALA

School-Business Partnerships of Long Island, Inc. (SBPLI) held its second annual "Sixty Over Sixty" Awards Gala on November 10, 2009 at the Crest Hollow Country Club in Woodbury, New York. The event recognized individuals age 60 and over for their contributions to Long Island in improving the region's quality of life.

The funds raised went to support SBPLI and its FIRST (For Inspiration and Recognition of Science and Technology) Robotics and FIRST LEGO League (FLL) competitions.

Each year, SBPLI must raise more than \$250,000 to pay for the event. Financial assistance has come in the way of sponsorships by Northrop Grumman, FESTO, BAE Systems, DeVry University, Farmingdale State College, Hofstra University, Stony Brook University and others.

Among the gala's sponsors were The Office of New York State Senator Owen Johnson, FESTO, BAE Systems, Ziehm Medical, Northrop Grumman, accessLinx, Inc., Event Journal and the Crest Hollow Country Club.



Pictured (top and bottom photos): Winners at last year's Sixty Over Sixty gala pose with their awards.

## ABOUT SCHOOL-BUSINESS PARTNERSHIPS OF LONG ISLAND, INC. (SBPLI)

SBPLI was founded in 1984 by Fred Breithut with the goal of developing partnerships between local high schools and businesses that would provide students with practical experience and curriculum development, while helping the business community develop its future workforce. More than 100 partnerships have been formed. In 1999, Long Island FIRST was formed for the purpose of developing a Long Island Regional FIRST Competition. In 1999, eight high school teams participated. The Long Island Regional has since grown with 48 teams participating in 2010.

### ABOUT U.S. FIRST

Accomplished inventor Dean Kamen founded FIRST (For Inspiration and Recognition of Science and Technology) in 1989 to inspire an appreciation of science and technology in young people. Based in Manchester, N.H., FIRST designs accessible, innovative programs to build self-confidence, knowledge and life skills while motivating young people to pursue opportunities in science, technology and engineering. With the support of many of the world's most well-known companies, the non-profit organization hosts the FIRST Robotics Competition for high school students and the FIRST LEGO League for children 9 to 14 years old. To learn more about FIRST, go to [www.usfirst.org](http://www.usfirst.org).

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