

Inspiring Students to Pursue Careers in Technology

FALL 2011



12TH ANNUAL LI REGIONAL FIRST ROBOTICS COMPETITION

More than 1,200 students from 50 high schools from Long Island, the New York metropolitan area, upstate New York, New Jersey, and Pennsylvania participated in School-Business Partnerships of Long Island's (SBPLI) 12th annual LI Regional FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition. The two-day event was held at Hofstra University's David S. Mack Sports and Exhibition Complex on March 25-26. 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 Scott Schuler, Acting President of SBPLI, sponsors of the Long Island Regional FIRST Competition. "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, "LOGO MOTION," in which two alliances of three teams competed on a 27-by-54-foot playing field with poles, attempting to earn points by hanging and assembling logo pieces to form the FIRST logo. Additional points were earned for deploying Mini-Bots to climb the vertical poles.

Continued on page 3

CALENDAR OF EVENTS

Deer Park FIRST Robotics Invitational
Saturday, November 5, 2011
Deer Park High School

SBPLI Family & Friends Night at the New York Islanders Game (Flyers Vs Islanders)
Wednesday, November 23, 2011
Nassau Veterans Memorial Coliseum

Fred Breithut Memorial Scholarship Breakfast
December 2011 — TBD
Farmingdale State College

2011 FIRST Robotics Competition Kickoff
Saturday, January 7, 2012
Stony Brook University

FIRST Lego League Qualifying Tournament
Saturday, January 28 & Sunday, January 29, 2012
(Weather dates: February 4-5)
Berner Middle School

FIRST Lego League Championship Tournament & Jr. FIRST Lego League Expo
Sunday, March 4, 2012
Longwood High School

LI Regional FIRST Robotics Competition
March 29-31, 2012
Hofstra University

INSIDE

12th Annual LI Regional FIRST Robotics Competition 1, 3
LI FIRST LEGO League Championship Tournament 2
SBPLI Hosts Robots & Roses Reception 3
Frank Otto and Joe Kaminsky Honored at 2nd Annual Fred Breithut Memorial Golf Outing 4
SBPLI Names Scott Schuler as Acting President, Ginette Greco as Director 4

LI FIRST LEGO LEAGUE CHAMPIONSHIP TOURNAMENT

Following eight weeks of research and design, 48 elementary and middle school teams across Long Island demonstrated their problem-solving skills, creative thinking, teamwork, competitive play and sportsmanship at the seventh annual Long Island FIRST LEGO League (FLL) Tournament, “Body Forward,” which took place March 6 at Longwood High School.

This year, FIRST collaborated with Scott Cummings, a prosthetist and orthotist with Next Step Prosthetics and Orthotics; Dr. Lisa Freed of Draper Laboratory’s Biomedical Engineering Group; Dr. Marie Johnson of the University of Minnesota’s Center for Medical Devices; and Dr. Tom Skalak of the University of Virginia’s Department of Biomedical Engineering to create a theme and challenge missions in which children explore the growing questions of how to repair injuries, overcome genetic predispositions, and maximize the body’s potential, with the intended purpose of leading happier and healthier lives.

Founded by inventor Dean Kamen, FIRST was created to inspire young people’s interest and participation in science and technology. FIRST LEGO League is an international program for 9- to 14-year-old children created in a partnership between FIRST and The LEGO Group in 1998 based on their common belief that fun and learning go hand-in-hand, and that an inspired mind can accomplish anything. Each September, FIRST LEGO League announces the annual Challenge to teams, engaging them in authentic scientific research and hands-on robotics design. Using LEGO MINDSTORMS® technologies and LEGO play materials, children work alongside adult mentors to design, build, and program robots to complete missions based on real-world challenges. After eight intense weeks, the competition season culminates at high-energy, sports-like tournaments.

Sponsors of the tournament included SBPLI-LI FIRST; Longwood

Central School District; Massapequa Public Schools; Brookhaven National Laboratory; Sideboard Computers; Biscotti, Toback & Company, PC; Nassau Educators Federal Credit Union; New York State Technology Education Association; The Law Office of Jeffrey Stern; the Plainview-Old Bethpage School District; Sir Speedy of Plainview; and Robert Woods of LEGO Education.



Members of the Bayport “Peaced Together” — Team #752 prepare to program their robot for the course at the FIRST LEGO League Tournament, “Body Forward.”

Scott Schuler, Acting President of School-Business Partnerships of Long Island said, “We are pleased to coordinate the Long Island FIRST LEGO League Tournament. It is an extension of the FIRST Robotics Competition. Together, these programs are opening a world of technology, science, and engineering to so many Long Island students, helping to build our high-tech workforce of the future.”

FLL TOURNAMENT AWARD WINNERS

Award	Team #	Location	Team Name
Champion’s	752	Bayport	Peaced Together
Robot Design 1st Place	1317	Huntington Station	Let Me Think...
Robot Design 2nd Place	5859	Girl Scouts of Nassau County (GSNC)	Catastrophic Moves
Programming 1st Place	809	Locust Valley	Roboteers
Programming 2nd Place	3265	GSNC	LEGO Chicks
Research Quality 1st Place	10771	GSNC	Think It, Link It
Research Quality 2nd Place	3384	Riverhead	Chiron
Innovative Solution 1st Place	662	Port Washington	Congobots
Innovative Solution 2nd Place	4478	Stony Brook	Stony Bots
Creative Presentation 1st Place	2586	Sayville	Knights
Creative Presentation 2nd Place	11500	Port Jefferson	SEAL
Robot Performance 1st Place	752	Bayport	Peaced Together
Robot Performance 2nd Place (tie)	2331	Bayport-Blue Point	RoboPhantoms
Robot Performance 2nd Place (tie)	3273	GSNC	LEGOtrinettes
Teamwork 1st Place	802	Locust Valley	Contagious
Teamwork 2nd Place	11005	East Rockaway	Pop Rocks
Rookie Award	630	Locust Valley	Auto Bots
Gracious Professionalism	503	Middle Island	Terminators
Judge’s Award	7966	East Norwich	Infinite Robotics
Team Spirit	1149	Center Moriches	Clayton Huey Red Devils

12TH ANNUAL LI REGIONAL FIRST ROBOTICS COMPETITION (CONTINUED)

Brian Jaworski of Walt Whitman High School Robotics Team #2161 was named the recipient of the Fred Breithut Memorial Scholarship. SBPLI and Farmingdale State College provided funding for the scholarship. Brian will go to Farmingdale State College on this scholarship in pursuing a career in engineering, science or technology.

SBPLI named Chris Foley, Motorola Solutions' New Product Development Engineer, and Stephanie Stern of GenPath Women's Health as its Volunteers of the Year. The Fred Breithut Award went to Lindsay Bauer of Lindenhurst High School Robotics Team #533. Roy Powell, mentor for the Longwood High School Robotics Team #564, received the Regional Woodie Flowers Award. Winners of the Dean's

List Finalist Award were Steven Kelly of the Hicksville High School Robotics Team #1468 and Joshua Graber of the Great Neck South High School Robotics Team #2638.

Major sponsors for this year's competition were SBPLI, The Office of New York State Senator Owen Johnson, Long Island Fiber Exchange, Motorola Foundation, FESTO Corporation, BAE Systems, Northrop Grumman, Hofstra University, Farmingdale State College, Stony Brook University and DeVry College of 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.*

REGIONAL AWARD WINNERS

Award	Team #	Location	Team Name
Musical Performance Award	810	Smithtown High School	Smithtown, NY
Imagery Award	522	Mckee Vocational High School	Staten Island, NY
Rockwell Automation Innovation in Control Award	271	Bay Shore High School	Bay Shore, NY
Xerox Creativity Award	1796	Queens Vocational & Technical H.S.	Long Island City, NY
Delphi Engineering Excellence Award	358	Hauppauge High School	Hauppauge, NY
Kleiner Perkins Caufield & Byers Entrepreneurship Award	3171	Westhampton Beach High School	Westhampton Beach, NY
Judge's Award	810	Smithtown High School	Smithtown, NY
Website Award	522	Mckee Vocational High School	Staten Island, NY
General Motors Industrial Design Award	1468	Hicksville High School	Hicksville, NY
Motorola Quality Award	229	Massena H.S. & Salmon River H.S.	Potsdam, NY
Johnson & Johnson Gracious Professionalism	353	Plainview-Old Bethpage JFK High School	Plainview, NY
Chrysler Team Spirit Award	564	Longwood High School	Middle Island, NY
Rookie Inspiration Award	3460	Brentwood High School	Brentwood, NY
Rookie All Star Award	3624	Half Hollow Hills	Dix Hills, NY
Highest Rookie Seed Award	3474	Hampton Bays High School	Hampton Bays, NY
Underwriters Laboratories Industrial Safety Award	2638	Great Neck South High School	Great Neck, NY
Regional Finalist #1	271	Bay Shore High School	Bay Shore, NY
Regional Finalist #2	287	William Floyd High School	Mastic Beach, NY
Regional Finalist #3	564	Longwood High School	Middle Island, NY
Regional Winner #1	1626	St. Joseph's High School	Metuchen, NJ
Regional Winner #2	229	Massena H.S. & Salmon River H.S.	Potsdam, NY
Regional Winner #3	375	Staten Island Technical High School	Staten Island, NY
Regional Engineering Inspiration Award	884	Malverne High School	Malverne, NY
Regional Chairman's Award*	329	Patchogue-Medford High School	Medford, NY

SBPLI HOSTS ROBOTS & ROSES RECEPTION

Proceeds Go To Fred Breithut Scholarship Fund

School-Business Partnerships of Long Island, Inc. (SBPLI) hosted its second Robots & Roses Scholarship Reception on June 23 at Farmingdale State College. Robots & Roses is a fundraising event with proceeds going to benefit the Fred Breithut Scholarship Fund, which is named in honor of SBPLI's Founder and President who passed away on April 26, 2010.

The Fred Breithut Scholarship was established in November 2009 in partnership with Farmingdale State College. It is for eligible 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.

"Fred lived a life that is a model for all of us," said Scott Schuler, acting president of SBPLI. "He always had the vision, persistence and tireless devotion to moving our organization forward."



Pictured (left to right): Joani Madarash, Scott Schuler, Ginette Greco and John Loonam.

FRANK OTTO AND JOE KAMINSKY HONORED AT 2ND ANNUAL FRED BREITHUT MEMORIAL GOLF OUTING

Frank W. Otto, President of Long Island Forum for Technology, and Joe Kaminsky, a Software Engineering Manager with Motorola Solutions, were honored at the 2nd annual Fred Breithut Memorial Golf Outing. The tournament, which was named after the late Founder and Chairman of School-Business Partnerships of Long Island, Inc. (SBPLI), was held July 28 at Stonebridge Golf Links and Country Club in Smithtown.

Mr. Otto previously worked at Grumman Aerospace Corporation's Aerodynamics Group, evaluating foreign threat aircrafts before becoming Chief Hydrodynamicist in the Marine Systems Division. In 1979, he became part of EDO Corporation and served in various positions in the advanced systems and engineering departments before becoming Director of Operations for the Government Systems Division. He later became General Manager of the Marine & Aircraft Systems Division, Group Vice President of Integrated Systems and Structures, and eventually became EDO's Corporate Executive Vice President. In 2007, he joined Com Tech Telecommunications as Senior Vice President of Operations.

Mr. Kaminsky leads a team of software developers in creating a software platform architecture for a line of handheld mobile computers. Before joining Motorola, he designed data acquisition systems software at Grumman Aerospace Corporation in their structural test group and digital voice communications systems software at Telephonics Inc.

He also developed aircraft cockpit instrumentation and fuel gauging software at Parker Hannifin Corporation.

Approximately 100 golfers took part in the outing. In addition to golf, they enjoyed dinner, live music, raffles and a silent auction. All proceeds went to help support the costs associated with next year's Long Island FIRST Robotics Competition, which costs SBPLI more than \$250,000 to host.



Pictured (left to right): SBPLI Board and Executive Council members John Loonam, Joseph Sicinski, Joani Madarash, Frank Otto and Joe Kaminsky, Chairman Hans Zobel, Acting President Scott Schuler and Director Ginette Greco.

SBPLI NAMES SCOTT SCHULER AS ACTING PRESIDENT, GINETTE GRECO AS FRC DIRECTOR



Scott Schuler

Scott Schuler has been named Acting President of School-Business Partnerships of Long Island, Inc. (SBPLI) and Ginette Greco was named SBPLI's Director of the Long Island Regional FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition.

Mr. Schuler has been a member of SBPLI's Development Council since 2000. In 2006, he was named Volunteer of the Year. He also served as a mentor for the Hauppauge High School Robotics team from 2000-2008 and for the Connetquot High School robotics team in 2010.

From 2007 to 2010, he served as Executive Vice President and Chief Marketing Officer at Ziehm Medical, LLC in Hauppauge. Before that, he worked at Festo Corporation in Hauppauge, where he served as its Manager of Business Development and Director of Marketing.

"I am very pleased to be named Acting President of School Business Partnerships of Long Island," Mr. Schuler said. "SBPLI was organized to prepare today's students for the workforce of tomorrow

by creating partnerships between schools and businesses. Having been with SBPLI for over 10 years, including having worked directly with hundreds of students within the robotics program, I have seen the positive results first hand. I am honored to lead an organization known to be preparing students for the high-technology workforce of tomorrow."

Ms. Greco is an experienced office manager. In the capacity of FRC Director, she will be responsible for the organization's day-to-day operations and coordinating the annual Long Island Regional FIRST Robotics Competition.

"I am pleased to be named Director of School-Business Partnerships of Long Island," Ms. Greco said. "Having been involved in other nonprofits, this organization is the perfect fit for me. With today's economy, it is more difficult for nonprofits to collect donations. This new position will allow me to help secure more funding for SBPLI for the continuance of these wonderful robotics programs."



Ginette Greco

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 2000, fourteen high school teams participated. The Long Island Regional has since grown with 50 teams participating in 2011.