



SBPLI INC LI FIRST

SUMMER-FALL 2009 ANNUAL REPORT
AND NEWSLETTER

Long Island FIRST Regional Robotics Competition March 27-28, 2009



10TH ANNIVERSARY

Thousands of spectators watched in March as 47 teams of high school students battled for technological supremacy at the SBPLI-LI FIRST Regional Robotics Competition, presented by the School-Business Partnerships of Long Island, Inc. (SBPLI) at Hofstra University's David S. Mack Sports and Exhibition Complex (Arena) in Hempstead, New York. The event was held on March 27-28. The teams competed for a spot in the FIRST National Championship, held in April at the Georgia Dome in Atlanta, Georgia.

More than 1,100 students from 47 high schools from Long Island, the New York metropolitan area, New Jersey and Ohio participated in the competition. Teams received honors and recognition that rewarded design excellence, competitive play, sportsman-

ship and high-impact partnerships between schools, businesses and communities.

In commenting on the results, "all teams demonstrated tremendous teamwork, professionalism and strategic thinking, but these winners went above and beyond to overcome the challenges of the competition," said Fred Breithut, Founder & Chairman of School-Business Partnerships of Long Island, 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."

Match Results Pages 4 and 5.



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 that solves a problem using a kit of parts and a standard set of rules.

The students gathered to compete with their robots in this year's game, "Lunacy," in which robots are designed to pick up 9-inch game balls and score them in trailers hitched to their opponents' robots for points during a 2-minute, 15-second match. Additional points are awarded for scoring a special game ball, the Super Cell, in the opponents' trailers during the last 20 seconds of the match.

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League
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5th Annual SBPLI-LI FIRST LEGO League Competition

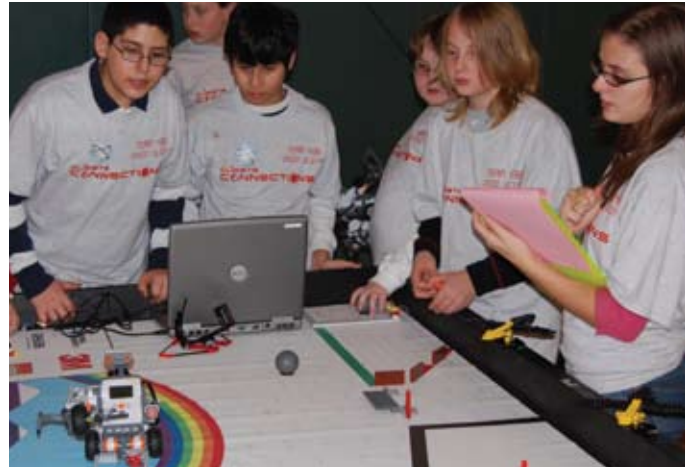
Following eight weeks of research and design, 56 teams from elementary and middle schools across Long Island demonstrated their problem-solving skills, creative thinking, teamwork, competitive play and sportsmanship at this year's Long Island FIRST (For Inspiration and Recognition of Science and Technology) LEGO League Tournament that took place on Sunday, January 11 at Longwood High School in Middle Island. This year marked the fifth year of the tournament on Long Island which was sponsored by the School-Business Partnerships of Long Island, Inc. (SBPLI).

This year, FIRST collaborated with the U.S. Army Cold Regions Research and Engineering Laboratory, professors at MIT and University of Massachusetts, Amherst and experts from LEGO Education to create a theme and challenge missions reflective of the hurdles that scientists experience relative to climate study.

At the FLL World Festival, the Girl Scouts of Nassau County, Ice Breakers, won the Team Spirit Award. This award goes to the team that most enthusiastically demonstrates a commitment to getting others to see how accessible, fun and rewarding science and technology can be. In January, the Ice Breakers won the FLL Champion's Award, the most prestigious award that any team can win at the SBPLI Long Island Championship Tournament.

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.

"FIRST LEGO League so brilliantly captures the natural curiosity and creativity of youth, and combines it with real-world issues and research and teamwork activities that put children in a position of identifying and creating innovative solutions to big problems," said Jens Maibom, Vice President, LEGO Group. "In this manner, FIRST LEGO League inspires children around the world to realize the power of their creative thinking skills in making a real difference, which naturally makes them feel good and motivates them to continue learning by doing."



FLL promotes problem-solving skills, creative thinking and teamwork.



The winning team: Hicksville (GSNC) Ice Breakers

Fred Breithut, Founder and Chairman 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."

Champions

Ice Breakers, Hicksville

Robot Design 1st Place

Oldfield MS Robotics Club, Greenlawn

Robot Design 2nd Place

RICE Krispies, Southold

Programming 1st Place

Legopolis, Roslyn

Programming 2nd Place

Burning Ice, Lawrence

Research Quality

Island Bots, Stony Brook

Innovative Solution

Longwood Terminators, Middle Island

Creative Presentation

Congobots Pollux, Port Washington

Robot Performance 1st Place

Island Bots, Stony Brook

Robot Performance 2nd Place (tie)

Chief Chargers, Massapequa

Robot Performance 2nd Place (tie)

Beta Pobots, Plainview-Old Bethpage

Teamwork 1st Place

Chief Chargers, Massapequa

Teamwork 2nd Place

Seneca Challengers, Holbrook

Rising Star

Sewanhaka Cobras, Floral Park

Judge's

Chiron, Riverhead

Team Spirit

SPBoyled Bots, Port Jefferson Station

SBPLI-LI FIRST Regional Robotics Competition

March 27-28, 2009 • Hofstra University, Hempstead, New York



Suffolk County

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

Nassau County

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

Teams From Other Regions

Long Island City, NY
Aviation High School
New York, NY
Brearley & Chaplin High Schools
Warren, OH
Champion High School
Somerville, NJ
Somerville High School
Staten Island, NY
Curtis High School
Brooklyn, NY
Xaverian, Fontbonne Hall Academy and
Bishop Kearney High Schools



Students get ready for their match as they bring their robot into the arena.



A competitor shoots a ball into the trailer during a game of Lunacy.



Students enthusiastically cheer on their classmates.

Robotics Competition Results & Awards

Musical Performance Award

Port Washington High School

Greening Award

West Islip High School

Imagery Award

MacArthur High School

Rockwell Automation Innovation in Control Award

Bay Shore High School

Xerox Creativity Award

Smithtown High School

Delphi "Driving Tomorrow's Technology" Award

Hicksville High School

Kleiner Perkins Caufield & Byers

Entrepreneurship Award

Patchogue-Medford High School

Judges' Awards

Lindenhurst High School

William Floyd High School

Website Award

Plainview-Old Bethpage High School

General Motors Industrial Design Award

Southold High School

Motorola Quality Award

Somerville High School

Johnson & Johnson Gracious Professionalism Award

Hauppauge High School

Chrysler Team Spirit Award

Longwood High School

Rookie Inspiration Award

Bethpage High School

Rookie All Star Award

Cold Spring Harbor High School

Highest Rookie Seed Award

Cold Spring Harbor High School

Underwriters Laboratories Industrial Safety Award

Great Neck South High School

Regional Finalist #1

Plainview-Old Bethpage High School

Regional Finalist #2

Patchogue-Medford High School

Regional Finalist #3

Plainedge High School

Regional Winner #1

Port Jefferson High School

Regional Winner #2

Great Neck South High School

Regional Winner #3

William Floyd High School

Regional Engineering Inspiration Award

Aviation High School

Regional Chairman's Award*

Plainview-Old Bethpage High School

In addition to the awards given by LI FIRST Regional, SBPLI presented the following awards:

Outstanding Volunteers of the Year

Jim Stephenson, Nick Amoroso and Will Recce

The Fred Breithut Award

Daniel Brooks of Longwood High School

Woodie Flowers Award

Debbie Lang, mentor for Longwood High School

SBPLI-LI FIRST WORLD CHAMPIONSHIP RESULTS FROM ATLANTA, GA

Of the 11 robotics teams from Long Island participating in the competitions, four received awards at the FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition (FRC) National Championship, and another at the FIRST LEGO League (FLL) World Festival, both of which were held April 16-18 at the Georgia Dome in Atlanta, Georgia.

In the FRC, Sachem High School won the Xerox Creativity Award. The award celebrates creative design, use of a component, or a creative or unique strategy of play. Whether you want to call it "thinking outside the box" or "pushing the envelope," this winning team demonstrated that it has creatively gone beyond the norm in tackling this year's game challenge.

In addition, two teams were division finalists: Southold High School, which won the GM Industrial Design Award at the Long Island FIRST Robotics Competition in March, and Patchogue-Medford High School, winner of the Kleiner Perkins Caufield & Byers Entrepreneurship Award at LI FIRST and a 2009 LI FIRST Regional Finalist. Plainview-Old Bethpage High School, which won the Regional Chairman's Award at this year's LI FIRST, was a division quarterfinalist.

Other teams that participated in the FRC Championship included Bay Shore High School, William Floyd High School, Hauppauge High School, Lindenhurst High School, Great Neck South High School and Cold Spring Harbor High School. This was the largest contingent from Long Island to participate in the FIRST Robotics Competition (FRC) National Championship and the FIRST LEGO League (FLL) World Festival.

* 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.

BAE Systems
BDS Solutions
Bethpage Federal Credit Union
Brookhaven National Laboratory
CEMS
DeVry College of NY
Farmingdale State College
FESTO Corporation
Hofstra University
InfoHighway
Ingerman Smith LLP
Long Island Fiber Exchange
Municipal Testing Labs
Nassau Educators Federal Credit Union
nGeneYes
North Atlantic Industries
Northrop-Grumman
Suffolk County Chapter of New York State Society of Professional Engineers
Senator Owen Johnson
South Oaks Hospital
SUNY Stony Brook
Teachers Federal Credit Union
Ziehm Medical

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 70 partnerships have been formed. In 1999, Long Island FIRST was formed for the purpose of developing a Long Island Regional FIRST Competition. In 1999, 8 high school teams participated. The Long Island Regional has since grown with 47 teams participating in 2009.

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.

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