



SBPLI INC FIRST

Spring/Summer 2006 Annual Report and Newsletter

In This Issue

2nd Annual Lego League Competition

PAGE 3

2006 FIRST Robotics Competition Results

PAGES 4-5

Scholarship Winners

PAGE 4

2006 Participating Schools

PAGE 4

Sponsorship Opportunities

PAGE 5

About SBPLI & FIRST

PAGE 6

FIRST Robotics Competitors

AIM HIGH



Two robots maneuver during the competition as their human navigators work the controls in front of more than 10,000 spectators at Hofstra Arena.

On March 24 and 25, over 10,000 spectators gathered at Hofstra University to watch 39 teams of high school students participate in the School Business Partnerships of Long Island, Inc. Regional FIRST Robotics Competition. Winners earned a spot at the FIRST Championship, an international competition held April 27-29 at the Georgia Dome in Atlanta. Several teams received honors and recognition that rewarded design excellence, competitive play, sportsmanship and partnerships between schools, businesses and communities.

"The teams demonstrated tremendous teamwork, professionalism and strategic thinking to overcome the challenges of the competition," said Fred Breithut, President of SBPLI, coordinator

and sponsor of the Long Island Regional FIRST Competition. "Students, professional mentors, school groups and community members came out to cheer on their favorite teams. They saw engineering and technology at work and the excitement surpassed that of a championship athletic event."

Students worked with professional mentors to design and build a robot using a kit of parts and a standard set of rules. The students used the robots to play this year's game, "AIM HIGH" which matches two alliances of three teams each. The object of the game is to attain a higher score than the opposing alliance by shooting balls into a center or corner goal, and/or by navigating the robots to a platform at the end of the match.

School-Business Partnerships of Long Island, Inc.

Sponsor of
Long Island FIRST
Robotics Competition

Address

18 Cottontail Road
Melville, New York 11747

Phone

(631) 692-2962

Web

www.sbpli-lifirst.org



L.I.'s Incubator for Engineers

SBPLI-L.I. FIRST founder **Fred Breithut** responds to President's remarks about national competitiveness

FEBRUARY 2006

"When President Bush focused on the need for increased numbers and improved quality of math and science graduates in the country, the goal being a world class engineer/technical work force, Long Island had a message for him, 'We are well on the road to that goal.'

"School-Business Partnerships of Long Island, Inc. (SBPLI) introduced the FIRST (For Inspiration and Recognition of Science and Technology) program to Island schools, colleges and businesses in 1999. Founded in 1989 by Dean Kamen, the New Hampshire inventor-entrepreneur, SBPLI's Long Island regional program was the first in New York to sponsor annual robotic competitions among Long Island schools and businesses.

"Since the program's maiden year in 1999, when 8 Long Island school districts participated in the competition, the number of participating schools swelled to 39 this year. The event's host site is Hofstra University. There, in the university's sports arena, on March 24 and 25, 10,000 spectators lent their cheers to those of the students and their followers as 130 pound robots vied for recognition and scored



awards from some of America's major corporations... among them: General Motors, Daimler Chrysler, Johnson & Johnson, Xerox, Motorola, Radio Shack and many others.

"Not to be outdone by the program's national supporters, Long Island sources make the annual regional competition possible by bringing over \$200,000 to the local program each year. NYS Senator Owen Johnson procures half of that amount while companies like Festo Corporation, Northrop Grumman, EDO, JP Morgan Chase, BAE Systems, Stony Brook University and many others contribute the remainder.

"The goals that the program achieve are technical competence for the participating students. Each high school team designs

and builds its own robot working side by side with Island engineers. As important is the goal of building relationships like team work, time-allocation, respecting differences, sharing ideas and resources.

"At the program's international competition in Atlanta each year, students from Long Island teams have been awarded over \$1 million in college scholarships and hundreds of heretofore unfocused Long Island students are now planning college and lifetime careers in engineering and technical-related fields. Because of the program's high passion and excitement, high schools have introduced pre-engineering and robotics courses into what is becoming a new favorite academic area for students.

"President Bush: 'Long Island is already ahead of the engineering curve because of this successful program. With the growing support of the Island's corporate sector, we intend to stay there.' With school teachers, business mentors and parents working side-by-side with students, the program is a model of ensuring national competitiveness in the sciences and engineering."

FRED BREITHUT
President, SBPLI
Founder/Chairman,
L.I. First Robotics Competition

Long Island Students Explore Our World Through LEGO Competition

In September, children from Long Island were tasked with the challenge and excitement of designing and building an original robot in the SBPLI-LI FIRST LEGO League program.

Eight weeks of research and design culminated in the SBPLI-LI FIRST LEGO League Tournament where teams of children and mentors demonstrated their problem-solving skills, creative thinking, teamwork, competitive play, sportsmanship and sense of community. Among those who participated were 9 to 14 year old boys and girls from 30 elementary and middle schools on Long Island.

This year's challenge, "OCEAN ODYSSEY," called for teams to research and present robotics technology solutions to help ensure the health, diversity and productivity of the world's oceans for present and future generations. The competition was judged in five areas: research and presentation; robot performance; technical mechanics of the robot's construction; teamwork; and gracious professionalism.

The highest honor, the Director's Award, went to Plainview, the team that best exemplified the spirit and values of the program. Members of the Plainview team traveled to Atlanta to compete in the FIRST LEGO League World Festival. Every participant received a medallion to commemorate his or her experience and dedication to the eight-week process.

Founded by inventor Dean Kamen, FIRST (For Inspiration and Recognition of Science and Technology) 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 partnership between FIRST and the LEGO Company in 1998. Each September, FIRST LEGO League announces the annual challenge to teams, which engages them in authentic scientific research and hands-on robotics design. Using LEGO MINDSTORMS technologies and LEGO bricks, children work alongside adult mentors to design, build and program robots to solve real-world challenges. After 8 intense weeks, the competition season culminates at high-energy, sports-like tournaments.

Since its beginning, FIRST has had a positive impact on students and academic communities. "We need to show kids that it's more fun to design and create a video game than it is to play one," said Dean Kamen, FIRST Founder. "In FIRST LEGO League, kids discover career possibilities and learn to make positive contributions to society." Currently in its seventh year, the FIRST LEGO League anticipates its largest season ever with almost 7500 teams from

around the world competing in qualifying events and tournaments.

Fred Breithut, Founder & Chairman of School-Business Partnership 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."

LI FIRST Lego League Results

Director's Award*

Team 1447 – Plainview (parent team)

Robot Performance

Team 3904 – Miller Place

Research Project

First Place: Team 1915 – Syosset
Second Place: Team 1419 – Freeport

Robot Dependability

Team 1173 – East Islip

Robot Innovative Design

Team 1340 – Southold

Teamwork

Team 3477 – South Huntington

Against All Odds

Team 4604 – Port Jefferson Station

* The Director'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 Robotics Participating Schools

Suffolk County

- Bay Shore Patchogue-Medford
- Comsewogue Medford
- Deer Park Port Jefferson
- Hauppauge Sag Harbor
- Lindenhurst Southold
- Longwood West Babylon
- Middle Country Westhampton
- Miller Place West Islip
- Mount Sinai William Floyd

Nassau County

- Baldwin Malverne
- Carle Place MacArthur
- Clarke Oceanside
- Division Plainedge
- Freeport Plainview-OBP
- Glen Cove Port Washington
- Hicksville Roosevelt
- Island Trees Uniondale

New York City

- Curtis High School, Staten Island
- Newtown High School, Elmhurst
- Queens Vocational High School
- Aviation High School, L.I.C.

Teams From Other Regions

- New London, Conn.
- Somerville, N.J.

Major Sponsors

- Arkwin Industries
- BAE Corporation
- Battelle Foundation
- Bethpage Federal Credit Union
- Frank Darconte
- Dayton T. Brown
- DeVry University
- EDO Corporation
- Eureka/InfoHighway
- FESTO Corporation
- Hofstra University
- Ingermann Smith LLP
- JP Morgan Chase
- Leard Environmental Services
- Municipal Testing Labs
- Nassau Educators Federal Credit Union
- Netsmart
- Knight Frank Newmark
- Northrop Grumman
- Senator Owen Johnson
- South Oaks Hospital
- SUNY Stony Brook
- Suffolk County National Bank
- Suffolk Co. Legislator Steve Stern
- Teachers Federal Credit Union



News 12 reporter Jackie Lukas interviews a competitor.



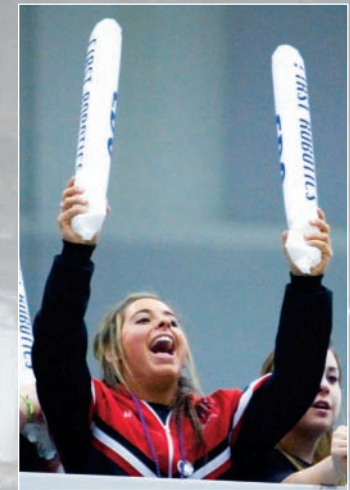
A youngster watches as the teams and robots compete.



A student participant 'aims high.'



Teammates share congratulations.



A fan cheers her team.

Robotics Competition Results & Awards

Regional Chairman's Award*

Miller Place High School**

Regional Woodie Flowers Award

Pat Hughes, Miller Place High School

Engineering Inspiration Award

Aviation High School, Long Island City**

Regional Winners Alliance

Hauppauge High School**

Southold High School**

Bay Shore High School**

Regional Finalist Alliance

Patchogue-Medford High School

Plainview-Old Bethpage High School

Hicksville High School

Highest Rookie Seed

Port Washington High School

Rookie All Star Award

Port Washington High School**

Rookie Inspiration Award

Freeport High School

Daimler Chrysler Team Spirit Award

William Floyd High School, Mastic Beach

Delphi 'Driving Tomorrow's Technology'

Hauppauge High School

General Motors Industrial Design Award

Somerville High School, New Jersey

Johnson & Johnson Sportsmanship

Baldwin High School

Kleiner Perkins Caufield & Byers

Entrepreneurship Award

Plainview-Old Bethpage High School

Motorola Quality Award

Mount Sinai High School

Xerox Creativity Award

Patchogue-Medford High School

Imagery Award

Southold High School

RadioShack Innovation in Control Award

Connecticut Public and Technical Schools

and Home Schooled Students

Web Site Design Award

Newtown High School, Elmhurst, New York

Autodesk Visualization Award-Regional

Longwood High School

Judge's Award

Newtown High School, Elmhurst, New York***

Westhampton Beach High School***

Fred Breithut Award

Isaiah Watson From Roosevelt High School

UL Industrial Safety Award

West Islip High School

Safety Recognition

Hicksville High School

Comsewogue High School

Port Washington High School

* 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.

** Denotes teams that qualified for the National Championship, which was held in Atlanta in April.

*** Recognizes the impact of robotics on the school's appreciation and knowledge in science and technology.



Robotics teams from across the region participated.

Become a Sponsor, Join a Winning Team

How does your organization measure success? As a corporate partner of SBPLI's LI-FIRST Regional Competition, you'll receive favorable media exposure, positive public awareness, and more than that, the satisfaction of teaming up with a group of young people who could be the future members of your own corporate team. As you can see, they're also your neighbors.

SBPLI coordinates the Long Island Regional and is responsible for raising over \$200,000 necessary to put on the competition.

By joining us as a sponsor of the event, you will help ensure that our students, Long Island's future high-tech workforce, are better able to engage in the vital fields of technology and engineering. You will also be helping to secure Long Island's future as a leading technology region.

We urge you to join in supporting next year's competition. For more information, please contact SBPLI at (631) 692-2962.



Director Janet Anderson

2006 SBPLI-L.I. FIRST Scholarship Winners

Name	Team	High School/Town	Amount	University
Gavin Lund	1751	Comsewogue, Port Jefferson Station, N.Y.	\$6,000/year	Clarkson University
Ken Colton	527	Plainedge, North Massapequa, N.Y.	\$5,000/total	Georgia Institute of Technology
Morgan Desena	527	Plainedge, North Massapequa, N.Y.	\$9,000/year	ITT Technical Institute
Kevin Schwartz	566	Newfield, Selden, N.Y.	\$32,000	DeVry University
Anthony Budinic	1803	Schreiber, Port Washington, N.Y.	\$1,500/year	Hofstra University

Over the past five years, Long Island students have earned over \$1.1 million in scholarships.

About School-Business Partnerships of Long Island, Inc. (SBPLI)

SBPLI was founded in 1984 by its President, Fred Breithut, with the goal of developing partnerships between local high schools and businesses that would provide students with practical experience while helping the business community develop its future workforce. Over 100 partnerships have been formed. In 1999, Long Island FIRST was formed for the purpose of developing a Long Island Regional FIRST Robotics competition. The Long Island Regional has since grown, with 39 teams having competed in the 2006 competition. The increase in participation among high school students and local business demonstrates the importance of supporting the Long Island Regional FIRST Robotics Competition.

Janet Anderson became the Director of SBPLI- LI FIRST on July 1, 2005.

ABOUT U.S. FIRST

Inventor Dean Kamen, who introduced the Segway™ Human Transporter (HT) in 2001, created FIRST with a goal to inspire an appreciation of sci-

SBPLI Board & Development Council

Christina Alzona,*

Northrop Grumman

Nicholas Amoruso,* School
Construction Consultants

Janet Anderson,* L.I. FIRST

Jay Artinian, Hofstra

Larry Bloom, Hofstra

Fred Breithut,*

SBPLI-LI. FIRST

David Burghardt, Hofstra

Jay Cotrone, KeySpan

Simona Doboli, Hofstra

Chris Early, Early Electronics

George Feist,

NOVUS Management

Mary Ellen Freeley,*

Malverne UFSD

Kristie Golden,

South Oaks Hospital

David Gabor, Attorney

Kathleen Goldin,

Syosset Central Schools

Robert Kukta,

SUNY Stony Brook

Tina Marie Leard,

Leard Environmental

John Loonam,*

Northrop Grumman

Joani Madarash* accessLinx

Marlene McDonnell,*

LI Business News

Kristin O'Rourke

Hewlett Packard

Frank Otto* , EDO

Benjamin Parris, LIMSAT

Bruce Petersen, Computer

Network Solutions

Doug Ports, Brookhaven

National Laboratory

William Recce* , School
Construction Consultants

Jim Ruck* , Northport-
East Northport UFSD

Mary Anne Sadowski,*
Ingerman Smith LLP

Frank Saracino,*
Education Consultant

John Schineller,
Plainview-Old Bethpage UFSD

Scott Schuler, FESTO

Joseph Sicinski,*

BDS Solutions

Laurence Spitz, DeVry

David Vandergoot* , CEMS

Timothy Votapka* , Wilnet

Communications, Inc.

William Youngfert, NEFCU

John Zaher* , The Public

Relations & Marketing Group

Hans Zobel* , FESTO

*Denotes Member of Board of Directors

ence and technology in young people, their schools and communities. Currently in its 18th year, the FIRST Robotics Competition has expanded its reach to

over 28,000 students representing approximately 1,125 teams from almost every state in the U.S. and abroad.



SBPLI, Inc.-LI-FIRST
18 Cottontail Road
Melville, New York 11747
(631) 692-2962
www.sbpli-lifirst.org