

FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

2015 ANNUAL IMPACT REPORT

"When I gave this thing the name FIRST", I said 'It's all about inspiration. If we don't change what they're inspired by, the world will.' When I thought about that, it never occurred to me that one of the people who would end up being inspired is me. By all of you ... And I hope that you all inspire each other."

FIRST Founder, Dean Kamen



E.



Our founder, inventor Dean Kamen, has been saying it for over 25 years -

FIRST<sup>®</sup> (For Inspiration and Recognition of Science and Technology) – a 501(c)(3) not-for-profit public charity whose mission is to help develop our students into tomorrow's science and technology leaders and innovators – uses young people's interest in, and fascination with, robots as the "honey" to draw them into a progression of fun, engaging robotics and research programs. In the process, they learn the importance of team building and mutual respect, gain self-confidence, and develop crucial leadership and life skills, as well as master much-in-demand STEM (science, technology, engineering, and math) knowledge. They are transforming into tomorrow's leaders.

Kids building robots is a clever disguise for a rapidly expanding community devoted to altering our culture into one where scientists and engineers are celebrated and revered on the same level as athletes and celebrities. Our unified goal is to open doors for all kids so that they may discover new interests and pathways, leading them to careers in science and engineering that they might never have considered.

We are extremely proud of the impact *FIRST* is making on this cultural change. Leaders in government, media, education, and even the entertainment world, are recognizing FIRST as a genuine gamechanger in the lives of hundreds of thousands of students. They are eagerly embracing our programs because they have witnessed for themselves that the essence of *FIRST* is *More Than Robots*<sup>SM</sup>.



"Our mission is about more than building robots; we are working to inspire and change a culture."

## Will you join us in making a difference?

Learn the full FIRST story — our vision, reach, programs, and events — at **www.firstinspires.org** 

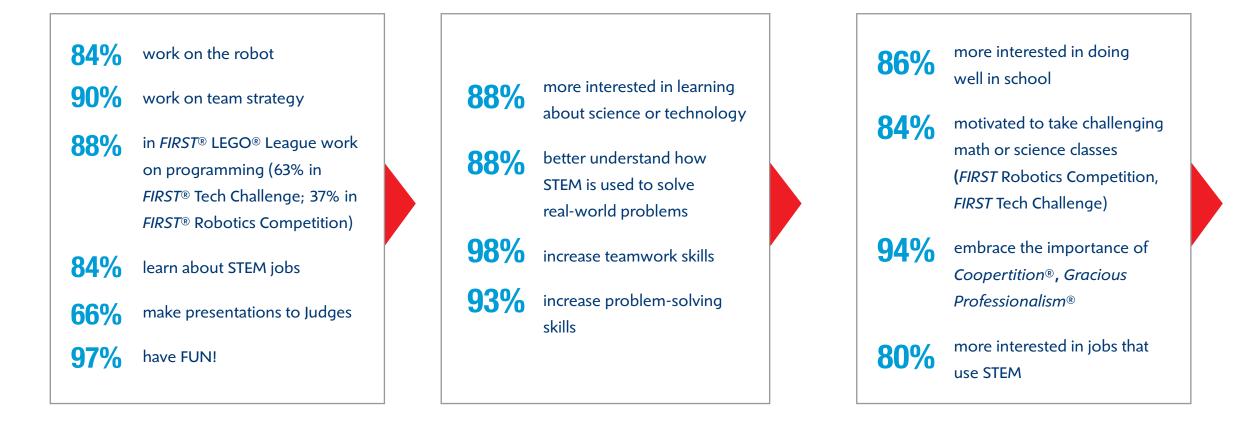


## STEM EXPOSURE

## **STEM INTEREST & SKILLS**

## **EDUCATION, STEM CAREERS**

\*Unless noted, the data represented is the lowest value from the formal evaluations of the programs.



# **ULTIMATE IMPACT**

/5%+

of FIRST Alumni are in a STEM field (student or professional)

Sources: Brandeis University: Cross-Program Evaluation of FIRST Tech Challenge and FIRST Robotics Competition (2011); Evaluation of the 2012-13 FIRST LEGO League Program (2013) and More than Robots: Evaluation of FIRST Robotics Competition Participant and Institutional Impacts (2005); FIRST, 2015 Survey of FIRST Robotics Competition and FIRST Tech Challenge Alumni

# LONG-TERM OUTCOMES

## FIRST Alumni are:

**3X** as likely to major in engineering and **4X** as likely for women in *FIRST* to major in engineering\*

**Career Expectations:** 

Nearly **4X** as likely to pursue a career in engineering\*

**10X** as likely to have an apprenticeship, internship, or co-op job in their freshman year of college\*

\*Than a matched comparison group

Inspired to learn more? www.firstinspires.org/about/impact

# Founder's & Co-Chairs' Letter

Dean Kamen, Founder Sheri McCoy, Co-Chair, Board of Directors Bob Tuttle, Co-Chair, Board of Directors To the uninitiated, *FIRST* may seem like kids just having fun with robots. To those of us devoting more than 25 years to this work, and to our millions of past and present participants, reality is quite the opposite. *FIRST* is so much *More Than Robots*<sup>SM</sup>.

**ROJECT-BASED LEARNING** 

Through the generosity of hundreds of thousands of Volunteers, Mentors, and Sponsors, *FIRST* offers young people the world over the opportunity to explore, learn, work as a cohesive team, take on and solve incredible challenges, and develop personal and professional skills that put them on paths to a successful adult life. Robots and research involving science, technology, engineering, and math (STEM) are what they do. Tomorrow's leaders are what they become.

Moving into our second quarter-century, we can proudly look back to see how far we have come since our humble, 28-team beginning in 1989. In 2015, we served more than 39,000 teams composed of approximately 360,000 kids, ages 6 through 18, in over 80 countries. Along their journey, incredible adults gave more than 13 million hours, last year alone, of their precious time to guide and support them, filling over 190,000 Volunteer roles. These astounding numbers continue to grow, in part because we can cite the concrete impact our Programs have on our students: more than 75 percent of *FIRST* Alumni are studying for or working in STEM careers, and female *FIRST* participants are four times more likely to study STEM subjects.\* We invite you to be inspired at *www.firstinspires.org/about/impact.* 

If we are to continue our growth trajectory, reaching out to ever more students in need of inspiration, 21<sup>st</sup>-century work skills, and life-changing discovery — including those in underrepresented and underserved populations — we need your help. What can you do? Commit your organization's resources and people. Sponsor one or more teams. On a personal level, become a Mentor, raise funds, or volunteer in your community. Every contribution counts and every volunteer hour is cherished.

We cannot adequately thank our Strategic Partners, Founding Sponsors, Sponsors, Mentors, Volunteers, participating School and Program Administrators, Parents, and Teachers. These inspirational people and organizations selflessly offer their experience, knowledge, time, and resources in the most creative ways. We salute you!

Kids who dream big, who like to tinker, who need a boost in self-confidence, who yearn for an inclusive, non-judgmental environment to discover their own talents, who want a chance to make something of themselves, need all of us working together. We believe the opportunities offered by *FIRST* should be accessible to every student and belong in every school. Will you join with us to make that dream come true?

\*Sources: FIRST, 2011, Survey of FIRST Alumni; Brandeis University, More than Robots: Evaluation of FIRST Robotics Competition Participant and Institutional Impacts (2005)

**B** HANDS ON CHEER *initiative* Sport for the Mind<sup>®</sup> CREATIVE PROBLEM SOLVING



Donald E. Bossi, President

# **President's Letter**

When I hear the phrase "More Than Robots," I start thinking about all the ways that FIRST is "more."

*More accessibility* Regardless of social or economic circumstances, we offer learning and discovery opportunities to youth everywhere, with a special emphasis to include girls and youth from diverse backgrounds.

*More connections FIRST* participants, young and old alike, build friendships, as well as social and professional networks, that enhance their lives now and provide life-changing influences and direction into the future.

**More growth** Despite our significant reach, our quest is to provide even more opportunities to become involved in *FIRST* as a student, Mentor, Sponsor, or Volunteer. Expanding access to our programs in every way possible is our top priority.

*More preparedness* Today's students need sophisticated education that includes more than just codified knowledge. They need 21<sup>st</sup> century workforce skills. We're proud to be a leader in developing collaborative creative competence in our young people, giving them a better chance for a productive and successful future.

*FIRST* touches more people in more ways than any other program I know — kids, who find a safe, fun place where they can develop and belong; students, whose lives are changed because they discovered new opportunities; Mentors, whose lives are enriched by working with engaged youth; grateful parents, whose children earn college scholarship support.

In 2015, we had many more milestones to celebrate, among them the formation of new Strategic Alliances with the American Society for Engineering Education, The Society of Hispanic Professional Engineers, and the National Center for Women & Information Technology. Our *FIRST* Scholarships program grew to over \$22 million in awards made available by nearly 200 Scholarship Providers in the U.S., Australia, Canada, and Mexico. We've launched an initiative that will further embed inclusion within the *FIRST* organization and community and improve the diversity of program participants.

In addition, we continue to learn more about the impact of our programs on participants. Findings from the second year of a longitudinal study conducted by Brandeis University\* show that *FIRST* has positive impacts on team members' interest, knowledge, and identity in STEM, as well as their interest in STEM careers. While both boys and girls benefit from participation in *FIRST*, the positive impact on STEM outcomes is even greater for girls. These results support our belief that *FIRST* is playing a critical role in inspiring the next generation of scientists and engineers.

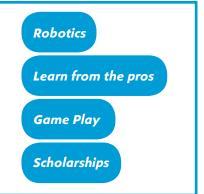
I gratefully thank everyone who has given their time, talent, resources, and support to help us reach even more deserving kids than we ever thought possible. I challenge us all to recommit our efforts to reach out to the millions more who have yet to experience the *FIRST* opportunity.

\* Full report: www.firstinspires.org/about/impact

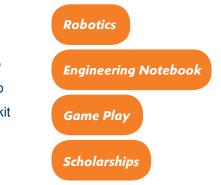


A progression of four programs for ages 6 to 18; gets young people involved early, developing skills and building confidence, keeping them engaged through high school.

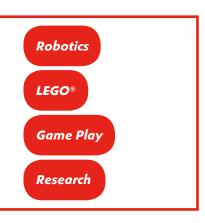
Mentored by professional engineers, teams compete with 120-pound robots of their own design in this varsity *Sport for the Mind*<sup>™</sup>, combining the excitement of sport with the rigors of science and technology.



Students learn to think like engineers and develop an engineering notebook to document their progress. Teams develop strategies, build robots from a reusable kit of parts, and compete head to head.



Guided by the program's Core Values, teams build LEGO®-based autonomous robots and develop research projects based on a real-world Challenge that changes annually.



Teams explore today's scientific challenges, then present their research using a LEGO<sup>®</sup> model with motorized parts and a *Show Me* poster.



# RESPECT EDUCATION BK-**GIVING MORE. GAINING A LOT.** OACHES SFOUR PROGRAMS mind

# **Yohance Salimu**

At the 2015 Showcase Presentation during the FIRST Championship in St. Louis, Mentor Tim Wright introduced a young man from an impoverished Los Angeles neighborhood, who rose to overcome great odds as "a born leader." FIRST Alum Yohance Salimu is so much more than a leader. He is an inspiration to all.

MENIUK5

Currently a Cadet 1st Class at the U.S. Air Force Academy, Yohance had it tougher than so many other kids in South LA's Crenshaw High School. "My father had a lots and lots of kids, and he had health issues and my mother had mental health issues, so my brother and I became homeless."



That's when Tim and teacher, Urban Reyes, invited Yohance to join their FIRST Robotics Competition team. "Tim even offered me a place to stay at night and food when I was hungry."

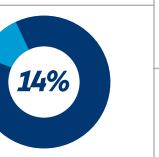
Yohance excelled on the team, becoming Captain. Tim offered him an internship at Aerospace Corporation where he worked. Yohance embraced the opportunity, using his earnings to pull his family out of a homeless shelter and onto their feet.

"FIRST helped develop my leadership skills, and the experience helped me gain admission to the Air Force Academy. I am the man I am today thanks to Tim Wright, Urban Reyes, and FIRST. I one day hope to mentor kids from my community."

**Yohance Salimu** 



Year FIRST is founded to excite young people about science and technology





Growth in number of FIRST teams over 2014

# **Coopertition**<sup>®</sup>

"Competing teams help and cooperate with each other" (a FIRST core value)

# **Gracious Professionalism**<sup>®</sup>

"Respect for others, being a good sport, sharing what you've learned" (another FIRST core value)





# The Challenge

Students turned into detectives and researchers to gather information about how and where learning happens, then built LEGO<sup>®</sup> models and created Show Me posters depicting their journey of discovery

"To see these young kids so interested in helping at this level was amazing."



# **Accomplishments**

Approximately 34,000 6-9 year-olds participated on 5,653 teams in 23 countries, celebrating curiosity, imagination, discovery, and teamwork

# **Competitions**

Nearly 250 regional Expos; Junior *FIRST* LEGO League World Festival Expo in St. Louis

# Noteworthy

The Junior *FIRST* LEGO League World Festival Expo was extended to three days, and grew significantly to include 60 teams from five countries





More Than Learning:

FIRST LEGO League Jr. Team 2814 "Determined Dolphins" Castle Pines, Colorado

# **Researched** the

plight of dolphins caught and often injured in fishing nets, including Winter, a dolphin with a prosthetic tail, featured in the movie Dolphin Tale

# Developed

ideas for prostheses to help dolphins and other injured animals

\*The Junior FIRST LEGO League (Jr.FLL) program was renamed FIRST LEGO League Jr. in November, 2015.

# **Contributed** their

own money to help fund a year's worth a special care for Winter at the Clearwater Marine Aquarium (FL)



5,653

Team

Read the Determined Dolphins' full profile at www.firstinspires.org/determined-dolphins



Grades 4-8 (ages 9 to 16)

# The Challenge

Teams researched and shared their innovative solutions to improve the learning experience, and used a team-designed autonomous robot, programmed with LEGO<sup>®</sup> MINDSTORMS<sup>®</sup>, to complete "missions" representing how we gather knowledge and skills

ORLD Learning Unleashed

# **Accomplishments**

Approximately 210,000 9-16 yearolds\* on 26,044 teams from over 80 countries participated in this season's Challenge

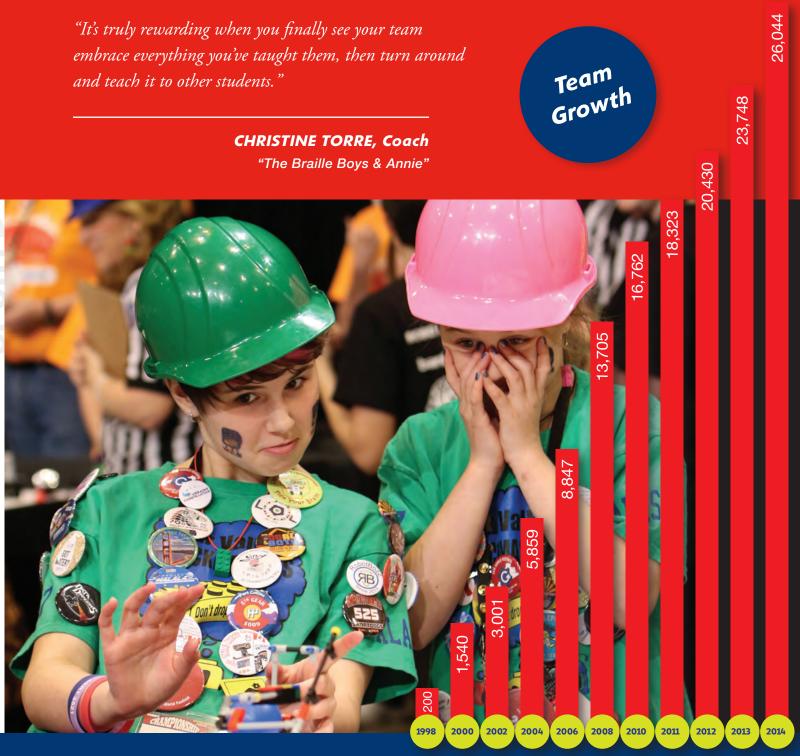
\*Ages vary by country

# **Competitions**

1,124 Qualifying Tournaments, 145 Championship Tournaments, 4 Open Championships; FIRST LEGO League World Festival in St. Louis

# Noteworthy

The 2014-2015 FLL WORLD CLASS<sup>™</sup> season marked the fifth anniversary of the FIRST LEGO League Global Innovation Award, presented by XPRIZE<sup>®</sup>, and introduced live judging for 20 semifinalist teams at the FIRST Championship





# More Than Determined:

FIRST LEGO League Team 4678 "The Braille Boys & Annie"

Cumming, Georgia

www.firstinspires.org/braille-boys-and-annie

# **Researched** the

effectiveness of Braille tools through the National Federation of the Blind; discovered that 90 percent of blind children never learn Braille

# **Invented** Insta-Braille<sup>®</sup>, a

system that automatically "speaks" a letter, number, or word when a Braille symbol is touched, allowing a visually impaired person to learn Braille without the help of a sighted person

Honored as one of two runners-up in the FIRST LEGO League Global Innovation Award presented by XPRIZE<sup>®</sup>; used prize money to start a *FIRST* LEGO League team with visually impaired students



# The Challenge

Teams designed, programmed, and operated robots to release a cascade of rolling, bouncing balls, score points dropping the balls into rolling tubes, and transport the tubes up a ramp to a scoring platform - all while racing against the clock!

RST Tech Challeng INSPIRE AWARD

2014 - 2015 WORLD



# **Accomplishments**

Approximately 45,000 participants (ages 12-18, grades 7-12) on 4,445 teams from 16 countries; eligible for over \$16 million in college scholarships

# **Competitions**

388 Meets, League Championships, and Qualifying Tournaments: 63 Championship Tournaments; 4 Super-Regional Championship Tournaments; FIRST Tech Challenge World Championship in St. Louis

# Noteworthy

FIRST Tech Challenge announced the new Android robotics platform to be used in the 2015-2016 season. Now teams will have the power of Qualcomm<sup>®</sup> Snapdragon<sup>™</sup> technology and add "App Developer" to their skill sets



# More Than Local:

FIRST Tech Challenge Team 3595 "Schrödinger's Hat" Fairbanks, Alaska



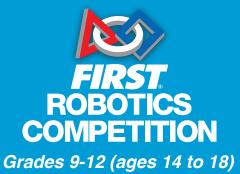
Read Schrödinger's Hat's full profile at www.firstinspires.org/schrodingers-hat Achieved top honors at

recent FIRST Championships, including Inspire Award (2015), Rockwell Collins Innovate Award and Promote Award (2014)

# Selected by FIRST to help

compile an in-depth wiring guide to assist other teams with the technical aspects of outfitting a robot, following an impressive conference presentation

**Earned** widespread recognition as FIRST ambassadors in Alaska and beyond; mentored elementary students; sponsored FIRST LEGO League events; fostered connections with many diverse teams at the Asia Pacific Invitational in Sydney, Australia; enthusiastically embraced the FIRST "culture of opportunity"



# The Challenge

Competing Alliances guided team-designed robots to stack Totes on Scoring Platforms, cap those stacks with Recycling Containers, and properly dispose of Litter (pool noodles). All game pieces were reusable or recyclable at the end of the season.



# **Accomplishments**

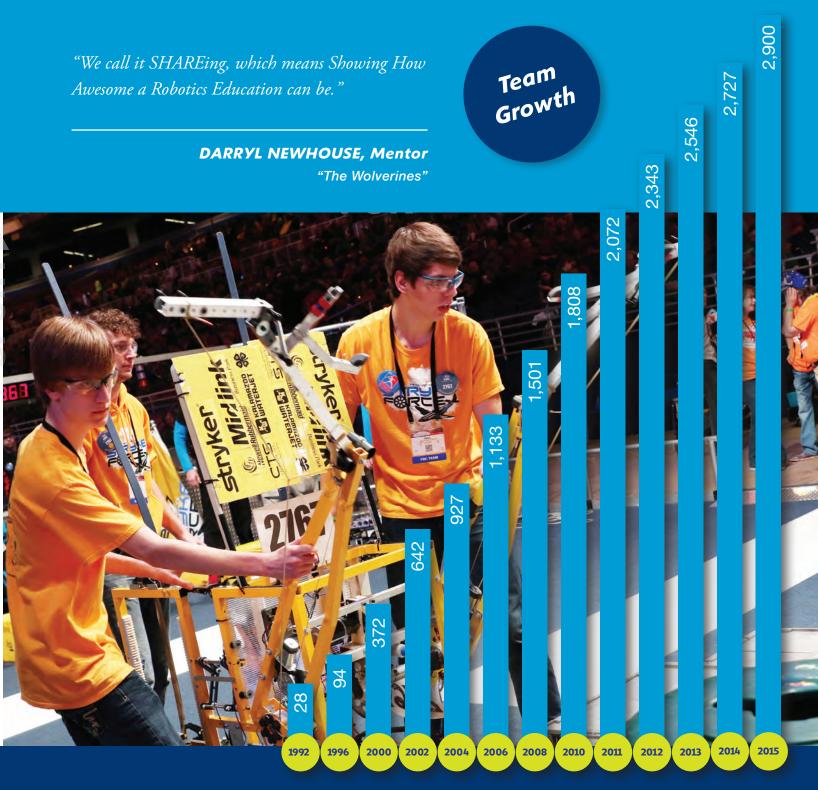
Approximately 72,500 highschool students on 2,900 teams from 19 countries; eligible for over \$22 million in college scholarships

# **Competitions**

48 District Events; 5 State/ **District Championships**, 56 Regional Events; FIRST **Robotics Competition** Championship in St. Louis

# Noteworthy

Inaugural FIRST Robotics **Competition Australia Regional** Event held in Sydney; FIRST **Robotics Competition** Championship expanded from 400 to 600 teams, and from 4 to 8 sub-divisions





# More Than Self:

FIRST Robotics Competition Team 597 "The Wolverines" South Los Angeles, California



Read the Wolverine's full profile at www.firstinspires.org/wolverines

# **Contributed** over 6 000

hours of community service (tutoring, volunteering, etc.) annually to help make a difference in their underserved community of South Los Angeles

**Established** a partnership with School in a Bottle to help advance technology and construct environmentally-friendly schools for children in Guatemala

**Awarded** the prestigious Chairman's Award at the 2015 FIRST Championship for being leaders in transforming their community and spreading their passion for science and technology



- Member of the FIRST Board of Directors ▲ Member of the FIRST Executive Advisory Board FIRST Honorary Director
- \* FIRST Senior Advisor Matching Gift

#### 2014-2015 FIRST Contributors

Corporations and Corporate Foundations

#### \$1.000.000+

National Aeronautics and Space Administration (NASA) Qualcomm Incorporated United Technologies Corporation (UTC)

#### \$250.000 - \$999.999

3M Company Abbott Fund **BAE Systems** Baxter International, Inc. **Bechtel Group Foundation** Bloomberg L.P. The Boeing Company Booz Allen Hamilton, Inc. **BOSCH Community Foundation Boston Scientific Corporation** Caterpillar Foundation Caterpillar, Inc. Center for Energy Workforce Development (CFWD) The Coca-Cola Company Comcast NBCUniversal Consolidated Edison Company of New York, Inc **Corporation for National and Community Service** (CNCS) The Dow Chemical Company Energizer Holdings, Inc. FedEx Corporation Ford Motor Company General Electric Company (GE) General Motors Company Goldman Sachs Group, Inc. Google.org The Leona M. and Harry B. Helmsley Charitable Trust John Deere Johnson & Johnson LEGO A/S Leidos Inc The Medtronic Foundation Monsanto Company Motorola Solutions Foundation National Defense Education Program (NDEP) NI Novelis NRG Energy, Inc. Pentair Foundation Pershing Square Foundation PTC, Inc.

Rackspace Hosting **Bockwell Automation Inc.** Bockwell Collins Inc. **TE Connectivity** Two Sigma Investments, LLC United Therapeutics Corporation U.S. Air Force

#### Up to \$249,999

100 Black Men of Atlanta Inc 1F Inc 3Dconnexion AAlderink Electric AAON, Inc. AB↔ Abacus Business Solutions ABB Inc Abbott Laboratories Accenture Advanced Technology Services, Inc. AdvanceTEC, LLC a i Solutions ΔΚΙΜΕΚΔ Alabama 4-H Club Foundation Albany Tech Foundation, Inc. Albany Technical College Alcoa, Inc. Alexander & Associates Alliant Techsystems Inc. Employee Citizenshin Funds Allied Automation AmazonSmile Foundation American Acrylic American Energy Partners American Red Cross American Society of Mechanical Engineers (ASME) Amgen Foundation, Inc Amgen, Inc. Amoskeag Terrace in memory of Claire C. Toohey Analog Devices, Inc. (ADI) Anonymous Applied Materials, Inc. Archer Racing Accessories Ariel Investment Company Arizona Bank & Trust Arkansas Space Grant Consortium Arkansas State Fairgrounds Arrowhead Concrete Works, Inc. ASCE Southern Colorado Branch Association for Advancing Automation AT&T. Inc. AT&T United Way Employee Giving Campaign ATI Specialty Alloys and Components Atmos Energy Automatic Data Processing, Inc. Avnet

Bank of America Charitable Foundation, Inc. Barnet Associates LLC Barr Engineering Bausch & Lomb Incorporated BCHC Child Care Beckman Coulter Foundation Relden Inc BELIMO Air Controls Best Buy Children's Foundation Best Buy Co., Inc. **BEST Robotics** BFK Foundation Inc. Bilim Kahramanlari Bloomin' Brands, Inc. Blue Medora LLC Bob Crout Painting Boca Bearing Company The Boeing Company BOOC **Boone County Education Foundation** Booz Allen Hamilton, Inc. BOSCH Boston Consulting Group in honor of Jim Heppelmann Bottle Bocket LLC Boys & Girls Clubs of Greater Sacramento Boys & Girls Clubs of Tampa Bay BP Corporation North America, Inc. Bradley University Bridge Northeast FL **Bright Funds Foundation** Brighthouse Networks Butler Tool & Die, Inc. **Bylites** CACL Inc California Community Foundation/Disney Ears to You Grant per Concetta Maratta California Community Foundation/Disney Ears to You Grant per Brendan Radabaugh California Community Foundation/Disney Ears to You Grant per Daniel Richardson California Community Foundation/Disney Ears to You Grant per Micheal Sigmund California Community Foundation/Disney Fars to You Grant ner Brian Walters California State University Dominguez Hills Foundation California University of Pennsylvania Canal Park Business Association (CPBA) Candor PR Cannon Air Force Base Capitol Technology University Carla Vista Sober Living LLC Carnegie Mellon University Caterpillar Global Mining, LLC

Caterpillar, Inc. - Pittsburgh

CenterPoint Energy

Baltimore Public Schools

Central New York Community Foundations, Inc. **CETYS Universidad Baia California** C.H. Bohinson Worldwide Cherokee Nation Chesapeake Energy Corporation Chesapeake Technology International The Chickasaw Nation CIGNA Foundation **Circuit Assembly & Design** Cirrus Aircraft Cisco Foundation Cisco Foundation in honor of Mark Clifton & Christopher M. Myers Cisco Systems, Inc. Citizens Equity First Credit Union (CEFCU) Cleveland County 4-H Foundations, Inc. **Cleveland Indians Cochise Robotics Association Colegato Foundation** Community Foundation for the Greater **Capital Region Community Foundation of Greater** Chattanooga, Inc. **Community Foundation of Southwest** Washington Community Foundation of West Chester/ Libertv Community Health Charities of North Carolina Community Management Assistance Corporation **Community Robotics Learning Foundation** Community Service Council of Greater Tulsa **Computer System Designers** ConocoPhillips Company Cooper Memorial Library Association Inc. Corning Incorporated County of Monroe Industrial Development Agency Cox Communications CPS Energy Credit Suisse (USA), Inc **CSC** Charitable Foundation cse software, inc. **CUNY Hunter College** CUSD (Chandler Unified School District) **Custom Courier Solutions** Custom House ULC Forex D&J Tech Service LLC Dana Holding Corporation DataNet Systems DC Public Schools Decatur Education Foundation Deep Space Systems Inc. **Deer Creek Schools Foundation DEKA** Foundation Dell Giving� Dell, Inc. Delphi Automotive PLC Delphi Foundation

S FIRST. SCHOLARSHIP

In 2015, as part of the FIRST Scholarship Program, nearly 200 Scholarship Providers made available over \$22 million in scholarship opportunities to FIRST Robotics Competition team members. FIRST Tech Challenge participants were eligible for \$16 million of these funds.

> The majority of FIRST scholarships are made available by colleges or universities for enrollment at their campuses; the remainder is made available by corporations, associations, or foundations for use at a selection of schools. The 2015 FIRST Scholarships are listed on pages 33-34.

To learn more about the FIRST Scholarship Program, or to make FIRST Scholarships available from your institution, please visit:

Demand Flectric Inc Denso Manufacturing Tennessee, Inc. **Deuce Development Corporation Devon Energy Corporation Digi-Key Corporation Discovery Health Sciences Foundation** Disney Worldwide Services, Inc. Dominion Nuclear Connecticut, Inc. DonorsChoose.org Dot Foods, Inc. Dr. James A. Forrest Career & Technology Center DT-New Orleans Airport Duke Energy Duluth Entertainment and Conference Center Dunlap Codding P.C. Dura Automotive Systems F.J. Harrison & Sons East Windsor Dental Arts Eastman Chemical Company Eaton Computer Services Eaton Corporation Eco Team Inc Ecolab Foundation Edgewater Resort & Waterpark Edward Jones Foundation EFC Systems Electronic Arts, Inc. **Elemental Technologies** Embedded Planet Emerson Charitable Trust Employees Charity Organization (ECHO) of Northrop Grumman - Rodney Qualls Energenecs, Inc. enktesis, LLC **Environmental Tectonics Corporation** Envision Excellence in STEM Education Inc. EOT 4-H Federation FSI Essentia Health E\*TRADE Financial Matching Gifts Program

ev3 Inc Eversource Energy Foundation Everyone Givvs, Inc. Excel Fund Exelon Dollars for Doers Express Employment Professionals ExxonMobil Corporation ExxonMobil Foundation \* FEI Company Felta Multi-Media Inc. Fidelity Investments FIRST Robotics Competition Team 5269 "Sonic Sci-boras" First Solar Company First Tech Credit Union Florida High Tech Corridor - UCF Florida High Tech Corridor - USF Florida Power & Light Company Florida Robotics Education, Inc. Fort Wayne Metals Foster, Murphy, Altman & Nickel in memory of Claire C. Toohey Foundation for East Baton Rouge School System Franklin County 4-H Foundation Freestyle FTI Consulting, Inc. Fulcrum IT Services LLC Fusion Jeunesse/Youth Fusion Future Seekers Inc. General Dynamics General Dynamics Advanced Information Systems General Electric Company (GE) General Electric Energy (Atlanta) General Electric Healthcare General Electric Oil & Gas General Electric Power & Water General Electric Power Systems General Electric Transportation General Mills Foundation

Genesis Attachments Genesis Automation Georg Fischer Central Plastics, LLC George Mason University Georgia Power Co. (A Southern Co.) Girl Scouts of Eastern Missouri Girl Scouts of Greater Atlanta GitHub The Gleason Works Global Educational Excellence **Global Foundries** Goldman Sachs Group, Inc. Golub Foundation (Pricechopper) Google.org Matching Gifts Program \* GPA International Travel Services Inc The GRACO Foundation Grand Canyon University Grandma's Adventure Zone Granite Bench Charitable Foundation Grant County 4-H Adult Leader's Association Grant Thornton LLP Greater Oklahoma City Chamber of Commerce Greater Texas Foundation Great-West Life & Annuity Insurance Company\* Greenspan Foundation Grundy Family YMCA Haas Automation Hall Estill Hallmark University Hamilton AV Hampton Dental Group, P.C. Hanover Architectural Products Harding Center for Distance Education in Bible and Ministry Harding University Harris Corporation Harris Corporation, RF Communications Division Harrison County 4-H Leaders Association Hartel's/DBJ Disposal

The Help Group Henderson Engineers, Inc. Henkel of America, Inc Henny Penny Corporation Henny Penny Foundation of the Dayton Foundation Herman Miller Cares Highwater Ethanol 11C Hilton Hitachi Automotive Systems Hitachi Data Systems Holly Hill Self Storage Honda of America Mfg., Inc. Honeywell Aerospace Honeywell International Inc. **IBM** Corporation IBM Corporation Employees 🚸 ICF Foundation IDEAS Mfg. Inc. Ikonics Inasmuch Foundation INSPR Media LLC Institute for Academic Excellence Institute of Technology Foundation at Utica/Rome Inc. Intel Foundation Volunteer Grant Program International Council on Systems Engineering (INCOSE) Irving Convention & Visitors Bureau Isthmus Engineering & Manufacturing Co-op ISU/Mills County Extension and Outreach Itasca Community College Itron Community Investment Ivy Tech Foundation Jacobs Technology, Inc. The Jamar Company James Madison University College of Education JCPenney Jefferson Parish Convention and Visitors Bureau Jewish Federation of Greater Metrowest NJ

John Bean Technologies Corporation John Deeres John Steele Zink Foundation Johnson & Johnson Ortho-Clinical Diagnostics Joint Economic Development Board of Unicoi County, Inc. Joy Global Inc. The JPMorgan Chase Foundation \* Kaua'i Economic Development Board The Kenific Group Inc. Kentucky Engineering Foundation Kerr Foundation, Inc. Kettering University Kiamichi Technology Center Kings View Behavioral Health Systems Kirkpatrick Foundation, Inc. Kitware Inc. Kraus-Anderson Construction Co. Ladish Co. Foundation Lake Superior College Lakeshore Arts Alliance, Inc. Lam Research Foundation Fund at the Fast Bay Community Foundation Lamar Lear Corporation The LEGO Foundation LEM USA Inc. Liberty Robotics Foundation Lima Family YMCA Limoneira Lincoln Laboratory LinkedIn Linn Energy, LLC Little Rock Convention and Visitors Bureau LMCO Undersea Systems Lockheed Martin Corporation Lockheed Martin Kelly Aviation Center Lockheed Martin Maritime Systems & Sensors Lubbock Boys & Girls Club M+WUS Inc. Macquarie University MadeRightHere Madison County Community Foundation Incorporated MAGNET the Manufacturing Advocacy & Growth Network The Manitowoc Company Foundation Marathon Petroleum Martin Engineering Martin Library Association Maryland Space Business Roundtable The MathWorks, Inc. Mattlin Foundation Mattson Technology, Inc. Maxim Integrated MeadWestvaco Foundation Medtronic, Inc.

Mentor Graphics Foundation Meritor Metavante Corporation Michael Best & Friedrich LLP Microchip Employees United Way Microchip Technology, Inc. Micron Microsoft Corporation Microsoft Corporation Matching Gifts Program \* Microsoft Corporation Silicon Valley Friends of Middletown Robotics Mile High United Way Miller Family Philanthropy Miner's/Super One Minnesota Interactive Marketing Association Minnesota Power Foundation MN State High School League Monsantogether \* Montana State University Montclair Fund for Educational Excellence Inc Moore Fans LLC Morgan Stanley Foundation \* Motiva Motorola Mobility Foundation Mount Dora Library Association, Inc. Mouser Electronics, Inc MPECU - Minnesota Power Employees Credit Union MRI Global MSP Communications MTEQ - Manufacturing Techniques, Inc. MV Consulting Inc. MVATC Nacel Open Door, Inc. NASA Armstrong Flight Research Center NASA Johnson Space Center The National Center Simulation National Defense Education Program (NDEP) National Grid National Society of Black Engineers (NSBE) Navistar NetScout Systems Inc. Charitable Giving Program New Brunswick Education Foundation Inc. Newfane Circuit Stompers, Inc. News Corn Nexteer Automotive NH Space Grant Consortium/NASA EPSCoR Nidec Motor Corporation Nora Teipen Performing Arts Studios, LLC Nordson Corn North Atlantic Industries North Carolina State University Northern Door & Hardware, Inc. Northland Foundation Northrop Grumman Corporation Northwest Maritime Center

Norwolf Tool Works, Inc Novak Technical Services Nuclear Energy Institute Nucor **NVIDIA** Corporation NYCharities.org Nypro Inc. **Ocean Acres Veterinary Office** Offit Capital Advisors LLC OGE Energy Corporation Foundation, Inc. **Ohio County Community Foundation** The Ohio Educational Outreach Foundation Ohio Space Grant Consortium OK Business Roundtable Oklahoma Aeronautics Commission Oklahoma Center for the Advancement of Science & Technology Oklahoma Christian University Oklahoma City Convention and Visitors Bureau Oklahoma State University Oklahoma State University, College of Engineering ON Semiconductor OneFire Media Group, Inc **Oracle Foundation** Orbital Sciences Corporation Osceola County 4-H Foundation Oshkosh Corporation Outerwall P&G Engineering Modeling and Simulation P&G Foundation Pace Analytical Services, Inc. Page County Agricultural Extension Educational Fund Parker Hannifin Corporation Parker Hannifin Foundation The Ralph M. Parsons Foundation Partners for Community Inc. Patriarch Partners/I Am Jane Patriots Technology Training Center PDF Solutions Inc. Peak Analysis & Automation, Inc. Penn State Coop Extension Pennoni Associates Inc. Pennsylvania State University People for Leisure and Youth, Inc. (PLAY) PG&E Corporation Pheasant Hill Foundation Phil's BBQ of Point Loma, Inc. Picatinny Arsenal Pitney Bowes\* The Pitney Bowes Foundation Platt Electric Supply The Plexus Corporation Charitable Foundation, Inc. Polk State College Foundation, Inc. Presbyterian Health Foundation Prism Technologies Group The Proctor & Gamble Company

Progea USA, LLC Progress Software Public Service Enterprise Group Purdue University PwC Charitable Foundation, Inc. The Quaker Chemical Foundation Qualcomm Incorporated Matching Gift Program • Quality Sheet Metal & Welding Inc. Radio Systems Corporation **RAS** Communications Raytheon Company Raytheon Space and Airborne Systems RCAL Products, Inc. **RCO** Enterprises **Reed Technology and Information** Services Inc. Regeneron Pharmaceuticals, Inc. REM "Catch the Dream" Republic Bank The Research Corporation of the University of Hawai The Research Foundation for State University of New York **Resolution Copper Mining** State of Rhode Island Ricardo, Inc. Riverside Tool & Die Co. **Robotics Education & Competition** Foundation Rochester Institute of Technology Rocketfuel The Roddenberry Foundation **Rolls-Royce North America** Rosetta Resources Inc Royal Plaza, Inc. RTE Technologies, Inc. **Rubio Premier Motors** S.A. Greenwood Mgmt Resources LLC SAIC St. Jude Medical Foundation St. Louis Community College St. Louis Community College Foundation St. Louis Convention & Visitors Commission St. Louis Regional Chamber St. Louis Science Center St. Luke's St. Onge Foundation Salem-Keizer Education Foundation The Salvation Army - KROC Samuel Field YM & YWHA, Inc. San Diego State University SASTEMIC Saturn Systems Inc. Schaeffler Group USA Inc. Schneider Electric School Outfitters Schuylerville Robotics, Inc. Science Foundation Arizona Scottrade, Inc.

Screen Semiconductor Solutions Servergy Shell Oil Company Foundation Matching Gifts Siemens Corporation Sil-Pro, LLC **Skillpoint Alliance** Skills USA SMC Corporation of America Smithfield Foods Society of Hispanic Professional Engineers (SHPE) Professional Chapter of Cincinnati Society of Women Engineers (SWE) Society of Women Engineers (SWE) Sacramento Vallev Section Solidyn Solutions Sonny's Enterprises Sony Corporation South Florida Science Center & Aquarium, Inc. Southwest Airlines Co. SnaceX Sparton Electronics Spirit of St. Louis Air Show Springfield Urban League SRA International Corporation SRA International Corporation on behalf of 2014 Service Star Recipients SRCTec Inc State Street Foundation Stay in Duluth Steuben County Literacy Coalition Stinger Ghaffarian Technologies Stratasys SubltUn Inc. SW District Extension of Oklahoma The Sylvan Laureate Foundation Syracuse Academy of Science Charter T. Rowe Price Associates. Inc. T Bowe Price Foundation Tampa Bay Robotics Foundation, Inc. Target Taylor County 4-H Leaders Association TDK - Lambda Americas TE Connectivity Employment Engagement Fund Teaching Matters, Inc. Teaching Textbooks Inc. Tennant Company Tennessee Valley Authority (TVA) Teradata Cares Teradata Corporation >> **Tesoro** Corporation Texas Tech University Thorlabs, Inc. Thrivent Financial for Lutherans Foundation Thunderbolt Hobby & Art Tiffany and Company Time Warner Cable

Total Facility Solutions, Inc. Toyota Tovota Motor Engineering & Manufacturing North America Inc. Toyota USA Foundation TR Electronic Transamerica Trenton Public Education Foundation TrialNetworks in honor of Eric Silberstein Tripwire Fund of the Oregon Community Foundation TRUIST TTI Inc. TV Azteca SA B De CV UL Ultra Motion **United Airlines Foundation** United Health Foundation United HealthCare Services Inc. United Launch Alliance (ULA) United Way - PCFO Universal McCann University of California, Davis University of Central Florida University of Cincinnati University of Illinois University of Minnesota College of Science & Engineering University of Minnesota Twin Cities University of North Carolina, Chapel Hill University of Oklahoma University of Southern Indiana University of Tulsa College of Engineering and Natural Sciences University of Virginia University of Wisconsin Platteville UPS Foundation U.S. Army ROTC U.S. Navy Utah State University UT-Battelle/Oak Ridge National Laboratory Utica Tradewinds Education Center UVAS Foundation Velcro Industries The Venture Center Verizon Foundation ViaSat, Inc. Virginia Polytechnic Institute and State University (Virginia Tech) Virginia Tech Foundation, Inc. Visit Duluth Vulcan Spring and Mfg Co. Wacky Buttons Waco Historical Society Walt Disney Company Walt Disney Imagineering Ward Petroleum Corporation Booker T. Washington Foundation for Excellence

Tomkins Gates Foundation

Meggitt Polymers and Composites

# FIRST Vice Chair John E. Abele Receives the FIRST Founder's Award



Technological visionary and philanthropist, John E. Abele, is the recipient of the 2015 Founder's Award for exceptional service in advancing the ideals and mission of *FIRST*.

A member of the *FIRST* Board of Directors since 1997 and current Vice Chair, Abele provides a fresh perspective and insightful counsel to help *FIRST* grow and become a recognizable cultural fixture. His contributions, both personally and through his enterprises — the Argosy Foundation, *FIRST* Founding Sponsor Boston Scientific Corporation, and the Kingbridge Centre — tie in with his dedication to science literacy for children, education, and the process by which new technology is invented, developed, and introduced to society.

Abele believes that participation in *FIRST* is an opportunity, a privilege, and a responsibility. The team grants and Fundraising Kit he has enabled help level the playing field so teams can participate that might not have been able to otherwise, while helping teams foster independence and self-sufficiency. His support spans the *FIRST* Progression of Programs, and beyond, with the funding of scholarships.

Abele relentlessly focuses on preserving *FIRST* values and promoting the concept that *FIRST* is about much *More Than Robots*<sup>SM</sup>. "It's not just STEM. It's not just *Gracious Professionalism*<sup>®</sup>. It's the integration of all of that," says Abele.

#### Waste Management Way Program Wells Fargo & Company Wells Fargo Advisors Westhampton Architectural Glass, Inc. Whataburger Whelen Engineering Company The Williams Companies, Inc. The Williams Foundation Wishes in Stitches Embroidery WMS Gaming Chicago Robert Hunt, Michael Pomianek and all the Shareholders at Wolf, Greenfield & Sacks, P.C. in memory of Claire C. Toohey Wolfe Architecture & Design Women for a Better Louisiana Wonik IPS USA Woolpert Worcester Polytechnic Institute W.W. Grainger, Inc. Xavier University Xcel Energy Xerox Corporation Xerox Foundation Xilinx **XPRIZE<sup>®</sup>** Xvleme, Inc. Y-12 YMCA of Broward County YMCA of Michiana Young Presidents' Organization, Chicago Chapter Young Women's Leadership Network YouYou Japanese Bistro Zephyr Engineering Inc. Zonta Club of Santa Clarita Valley Foundation

#### Individual and Family Foundation Donors

\$1,000,000+

Argosy Foundation

#### \$25,000+

Anonymous **Bezos Family Foundation** Brin Wojcicki Foundation Lawrence & Tami Cohen William Danforth Ann & John 

Doerr Walter Havenstein The Heinz Endowments Newman's Own Foundation, Inc. Myron Ullman 🔳 Philip Venables Paul Walker Josh & Judy Weston

#### \$5.000 - \$24.999

Craig and Barbara Barrett Foundation Family and Friends of James B. Bassich Donald Bossi 🗖 Don Bulens Ursula Burns 🗖 The Curtis L Carlson Family Foundation Jane P. Chwick James Dimon Donald J Duet Thomas & Susan Dunn Victor & Patricia Ganzi John Gerbeth Frank Grossman Karen & Rick Hargrove The Bruce J. Heim Foundation Marc Hodosh 🔺 Dr. Paul Jacobs 🗖 The Keough Family Foundation Sheri McCoy 🗖 Thomas & Paula McInerney Scott McKay The Milk Money Foundation, Inc. Mosher Family Foundation Dennis Muilenburg 🗖 Dr. William Murphy Jr. \* The Kenneth T. and Eileen L. Norris Foundation The Gerald Oppenheimer Family Foundation Robert & Elizabeth Parkinson Stephen & Jill Petty Anita Pinkham Aaron Raphel Sanghi Family Foundation Gary Schermerhorn Marie & Matthew Schiller Thomas J. Sommer in honor of Dean Kamen Gary 
 and Diane Tooker Family Foundation Trio Foundation of St. Louis Robert 🔳 & Lynn Tuttle James Utaski 🌒 Gregory & Anneliese Wyler Ronald Zarrella Up to \$4,999

Daniel Abeln Amber Aceti Joshua Adelson Mina Adsit Susan Agrawal Ben Agron Ben Agron in memory of Jesse Laufer Peggy Agron in memory of Jesse Laufer Kevin Ainsworth Mario Albuja Joseph Allegro Toomas Allik Dorothy Altbaum in memory of Jesse Laufer

Stephen Amorosi

Claudia Anderson

R. Dale Anderson in honor of Kristin & Scott Anderson Dennis Anderson Donald Anderson Jeffrey Anderson Scott Andes Anonymous Donors Anonymous in honor of Sarah Edwards Anonymous in honor of Nicholas Gentile Anonymous in honor of Tim Haughian Anonymous in honor of Jackson Kerber Anonymous in memory of Jesse Laufer Anonymous in honor of Sarah Anna Le Anonymous in honor of the Martin Family Anonymous in honor of Marian Passmore, Team 233 Anonymous in memory of Claire C. Toohey Marilyn Arko in memory of Frank A. Brand, Sr. Ronald Aroesty in memory of Claire C. Toohey Simon Arthur Simon Arthur in honor of **Big Blue Saw Customers** Justin Ashtiani Gary Asuncion Greg Auclair Crystal Aurand Scott Austin Jennifer Axelsen Michele Azar Babson Mustard Family Graeme Baer Becky Bailey Tom Bain Emily Rose Bainton Russell Bal Basavarai Banakar Bancroft-Clair Foundation Jacob Bandes-Storch Kelly Banks Ashleigh Barber Tom Barn Jim and Dede Bartlett Foundation Victor Bauer Scott Baxter Lynn Bayard in memory of Jesse Laufer James Beabout William Beach Jr William and Diana Beaulieu Jefferv Becraft Edwin & Dorothy Beland Vladimir Belinkis Francis Belizario Daniel Beller in honor of Marilyn Sobel Jason Benn Tom Bent

Matthew Berg Susan Berkowitz Marilyn Bernstein in memory of Jesse Laufer Stuart & Marcella Bernstein Stuart & Marcella Bernstein in honor of Oleg Kosubevsky Steven Berry Jr. Brian Bertrand Todd Bethel Alfred Bie Theodore Bills Suzanne Bird Chad Bishop Brenda Bledsoe Rov Bobo Jr. E.A. Boesiger Dennis & Denise Bone Emily Bone Stanley & Ann Borowiec Steven Bose **Bovin Family Foundation** Peter Bower Stephen Bozak Brent Braden Jeffrey Braun Dr. Stevie and Rene Braymann in memory of John Hofer R.J. Briceno Daniel Singer Bricklin John Brigham Rebecca Brodie in honor of John Brodie Steve Brodie Christopher & Barbara Brody Richard Bronstein in memory of Jesse Laufer David & Lori Brooks Allyson Brown in honor of Gail VanEkeren James Brown Douglas Bruce in honor of Carolyn S. Bruce Joanne Brustad in memory of Frank A. Brand Nathaniel Buck William Buckley Phil Budashewitz in memory of Claire C. Toohev Robert Bulmer Terrell Burch Cindy Burns Kyle Burns Elizabeth Bush Matthew Buss Carmen Butt Lee-Ann Cabero D.G. Callan Kathleen Callow Holly Capobianco William Carboneau Dave Card John Card Carolyn Carhuff Tom Carlone

# 2015 Woodie Flowers Award Winner Puts Students FIRST

FIRST Robotics Competition Mentor, Mark Lawrence, is the recipient of the 2015 Woodie Flowers Award, founded by Dr. William P. Murphy Jr. to recognize an outstanding engineer or teacher who best demonstrates excellence in teaching science, math, and creative design.

Lawrence joined FIRST in 2005 as a founding Mentor of Team 1816 "The Green Machine" of Edina, Minnesota, and is known for always putting students first. He tirelessly devotes his time to mentoring students, reads their emails before those of adult Mentors or Volunteers, and has helped countless young people - not only on Team 1816 — pursue their passions and plan their career paths.



David Carr James Carr Alvin Colon Carroll Michele Casari in memory of Aaron Casari Angela Ceglio Gram Cgre Ron Chanev Kenneth Chance Scott Chase Ji Chen Andrew Christe Gary Christelis Emily Christensen in memory of Jesse Laufe Lesli Christie Li Chunlin Mickey L. Clagg Dave Clark Jane Cleary in memory of Claire Toohey Robert Clesi Kellie Cloud Rebecca Cohen Angella Coil Jared Coke Vincent & Lorraine Colarusso Vincent Emery Colarusso Lori College in honor of Griffin College Tale Walbridge Collins Cristi Colony

Not content until all students across Minnesota have access to FIRST, Lawrence founded the Minnesota Regional Planning Committee, fueling exponential growth and ensuring over 56 percent of Minnesota high-school students now have the opportunity to participate in the FIRST Robotics Competition. He led the charge to make the program a state-sanctioned varsity sport, with the same recognition as football and hockey, and works with other states to follow suit.

Lawrence pushes students and Mentors to achieve excellence and raises his expectations once they are met. The students call Lawrence "our most fervent and enthusiastic cheerleader. We can't wait to see where he takes us in the future."

James Cook	Doug Desrochers	Peter Dunn	
Harold Cooper	Emily-Anne Deutsch	Nagarajan Duraisamy	
Jeffrey Cooper	Dale DeYoung	James Durand	
The Leon and Toby Cooperman Family	Nidhi Dhupati	Terry & Patti Durkin	
Foundation	Sriya Dhupati	Terry & Patti Durkin in memory of	
William Counts	Richard Di Bona in memory of	Claire C. Toohey	
Philippe Couvignou in honor of Team 3647	Dr. Frank A. Brand	Terry & Patti Durkin in memory of Scott R. Frock	
Wendy Covey	Martha Dickey	Adnan Durrani	
Connie Crawford	Stephen Diebold in honor of Robert Diebold Jr	, tanan banam	
Reyner Crosby		William Edds	
Alan Cunningham	H.A. Diep	Teri Ehrenhardt	
Roger Curtis	John DiGiovanna	Mitzi and Warren Eisenberg Family Foundation	
Lawrence Daddario	Jason Dillon	Mark Enzien	
Rich Daly	Deborah Dixon	Ronald Erb	
Michael Damiani in memory of Susan Ryan	Jeffrey Dobrinsky	Robert Evans	
Samuel Dangremond	Michael Dodd	Jeffrey Evelhoch	
Susann Daniels	Ryan Dognaux	Carolyn Fagan	
Julie Schramm Dartt	Timothy Donnelly	, ,	
Rebecca Davenport	Emma Dorgan	Randall Fahey Vickie Falzarano Vickie Fedewa Norman Feit Brandon Feldman in memory of Jesse Laufer Ferland Family Foundation, Inc.	
Jason Davidson	Irwin & Janet Dorros		
Kenneth & Lisa Davis	Edward Dougherty		
Michael Davis	Kolbo Douglas		
Matt Dawson	James Downey		
Ron Deblinger	Dennis Drayer		
Anne Marie DeBoard	The Drexler Family Foundation	Robert Firring	
Tanuja Dehne in memory of Philip Crane	James Dubin in memory of Jesse Laufer	Kenneth Fitchhorn	
Frank DeLorenzo	Joel Dubs	Erin Fleck	
Paul DeMaida	Jay Duchin	Bernard Flynn Greg Fodor	
Lauren Demski	Patrick & Janis Dunlap		

Charlotte Fore Laura Fox in honor of Laura & Michael's Weddina Margaret Frankian Graham Freedman **Dorothy Freer** David Freifelder Ed Fried Phil Friedman Stephen and Fredrica Friedman J.E. Gabb Jamie Gage David Gagliano Michelle Gagnon in honor of Dean Kamen Michelle Gagnon in honor of FIRST Employees Cara Galli Radha Ganapathy **Debbie Garbers** Thomas Garrett Bill & Melinda Gates Foundation Anne & Wendell Gauthier Family Foundation David Gedymin M.F. Geil **Geisler Family Trust** Paul Gessler in honor of Sarah Darwin Joel Gilbert Angie Gillette in honor of Hal Gillette Ben Gilliland Camille Chang Gilmore in memory of Dorothy Fischer Paul & Theresa Giordanella Mark Giordono Jane Gitomer in memory of Jesse Laufer Thomas Glenn Jack Goble Scott Godin Bichard Gold Jr in honor of Lily Gold Alfred Goldstein Jeffrey & Doris Goldstein Mr. & Mrs. Shari Goodrich in memory of Jesse Laufer Jerry & Paula Gottesman **Daniel Goveas** F Graham Mark Grant J.H. Green Peter Green Veryl Greene Mark Greenlaw in memory of Shirley Greenlaw Vana Gregg Mr. & Mrs. John Gregor Glenn Gribble Eileen Griffee Grace Griffin Michael Grindl Loretta Grob Christopher Grontkowski

Larry and Jan Gros Gregory Gross in honor of Terry Durkin Steven & Jonith Grundmann Lori Gruppuso R.J. Haag Brett Haaqa Josh Haldeman & Caroline Alikonis Paul Hanau Mindy Hangsleben in memory of T.J. (Thomas) Wirta Geri Hansen Thomas Hansen David Hardy Sheryl Harmon in memory of Jesse Laufer **Richard & Carol Harries Dustin Harrington** Hartfiel Angel Foundation James & Jennifer Hausch Barbara Hayes **Richard Hayes** Laura Hayman Stephen & Lynn Hazard Matthew Heath Trever Houston Hefner Juan Herrera R.L. Herron Scott Heuler Marillyn & James Hewson Jaimee Mae Hickey Steven Higgins Tuan Hoang Colin Holgate Janet Honek in memory of T.J. (Thomas) Wirta Shane Hooker Joseph Houle Marc Howard Robert Howard Mark Howland Cynthia Howlett-Willis Elizabeth Huddle in honor of Martina List Mark Huev **Christopher Hughes** Kent Hughes 🔺 Heidi Hullinger Patti Hunter in memory of Jesse Laufer Mary Pat Hussey in memory of Jesse Laufer Ronald lannucci Robert Iles in honor of Daniel Whittle Georgia loannou D.J. Iyoob James Jacobs II Mary Jacobsen Sharon Jadrnak Jeffrey Jaeckel Joel Janke Bill Jansen Stephen Jelinek & Betsy Wisch

Ellen Jewett in memory of Jesse Laufer Carrie Johnson in honor of Jim Rothrock Judy Johnson Kurt Johnson in honor of Jim Rothrock Michael Johnson & Elizabeth Barnes Timothy Johnson Zolu Jose M.A. Judy Beverly Jurenko Leslie Bender Jutzi Suzie Kabeiseman Jana Kaelin Eileen Kale Pamela Kar Shaun Kane Menachem Kaplan in memory of Jesse Laufer Collette Kaster Daniel Kasun L. Robert & Kathleen Kaswell Richard Katz in memory of Jesse Laufer Farle Kazis Charles Kennedy Muhtar Kent 🗖 Alexander Kernbaun Judith A. Kersev Ben Kershaw Janette Kinnally Wayne Kinsey B. Kitchenka Jill Klausner in memory of Jesse Laufer Gerry Klinglesmith Kathleen & George Klinich Holly Koblish Timothy Koch Michael Kohler Steven Korsch Bernard and Carol Kossar Foundation Inc. Ronda Kozlowski Sharon Krawiec Matthew Krever Jerrold Krivitzky The Kunkel Family Foundation Randall I am Robert Lamaute **Jimmy Lambrinos** William & Beth Landman Michael Lang Kendra & Joseph Langevir George Lanigan in memory of Claire C Toohev Richard Lanigan in memory of Claire C. Toohev Janet Larser Ann Laure Mike Lautzenheiser Paul & Kelley Lazarus Kim Le Quach

Kim Le Quach in honor of Sarah Anne Le (Quach) Alison Leach in memory of John "Mike" Hofer Jason Lee Margaret Lehman in memory of Zachary Lehman, Mentor, FIRST Robotics Competition Team 1510 "Wildcats" Bambi Lerner Raymond LeVesque Sean Lewis **I HB Foundation Fund** Ashley Liles Pean Lim TC Lim Linda Lin in honor of Benjamin Miller Samantha Lipscomb John Lipsky in memory of Jesse Laufer Thornton Lockwood Luci Locsin Guy Lohman Devin Lombard Michelle Long & Isaac Mishkit Dr. Felix Lopez Matthew Lorentzer Vernon Loucks Jr. Mannie Lowe Andrew Jackson Lowery Janice Luchner Bruce Ludwig in memory of Jesse Laufer Paul Ludwig Scott Ludwig Ronald Lushing in memory of Jesse Laufer Nicholas Luther Dorothy & Gerald Lynch in memory of Dr. Frank A. Brand John Lynch Russell & Tina Lyon Cheryl Maayan Frodo Magaiver Vicki Magasinn in memory of Jesse Laufer Jeanne Maguire **Richard Maher** Cristina Mahon John Mahoney & Jeanne Cain in memory of Dr. Frank A. Brand Carla Malden and Normal Beil in memory of Jesse Laufer The Marcus Foundation, Inc. Jeffrey Marell in memory of Jesse Laufer John Marino Jason Markesino Gregory Marra Michael Marshal S.H. Marshall Todd Martin Michael Martinez Gregory Marton & Debbie Seidell Elliott & Cathy Masie

F.L. Massino Diane Mastrorocco Cristian Mata Annick Matherne Susie Mathieu Ashwin Mathu James Matthew Nancy Matthews in honor of John, Lynn and Annika Jason Matznick Donald May Jr. in honor of Carson Buol Jeff May in honor of the ECIA Organization & Debbie Conyers Paul Mavfield Bart & Cheryl Mayforth Kathleen McCarthy in memory of Reggie Cook Robert McCarthy Susan McCarthy William McClung Amv McCoskev Jonathan McCov Veronica McDonnel Debra McDuffie Anne McGrath Rvan McKeefrev Gillian McPhee Arruando Mebezerra Kevin Meier Gerald Mele Miriam Melnick John Merry Melissa Messenger in memory of Charles Paul Messenger Microsoft Corporation Employees Makeda Mikael Jim Mikel George Milks Mr & Mrs Miller Dan & Kimberly Miller in honor of Scott & Kristin Anderson Linda Miller in honor of Mari & Dan Dawley Robin Miller in memory of Jesse Laufer Scott Miller William Miller Maureen Mingey John Mitt Joseph Mollica Ed Molvneux Charles Monson in honor of the Holly Berg & Kory McDonald Wedding Joanne Monty Alex Moon **Richard More** Jack Morgan Therese Moriarty in memory of Sefi Bloch P.E. Morin Harry Morrison Seth Mosier in honor of Mike Mosier Christina Mowers

Peter Mueller Brian Muirhead Katherine Mulligan Timothy Mushkin Tanya Nagatani in honor of Howard H. Nagatani Cynthia Neal-Harris John Nesi Cecilia Neumann Benjamin Ng Hop Dinh Nguyen in honor of Nam and Eugenia Dr. John & Patricia Nguyen Minh Nguyen Phuong Nguyen Van Nguyen W. Nauven **Christopher Nichols** Karen Nichols William Nicholson III Steven Niemitalo L. Nimor Martin & Marian Nish R.E. Nitschke Jasper Norris William Nottingham **Bill Nussey** Maxwell Nuvens Marne Obernauer Gene O'Brien Maureen O'Connell Edward O'Dwyer III Ms. Sarah O'Hagan Mr. & Mrs. Angel Olmeta in memory of Jesse Laufer Christopher Olsor Lisa Kimi Omori Teresa On in memory of Jesse Laufer Catherine Onc Hilary Oran in memory of Jesse Laufer Robert K. Ortberg 🔳 Anne Ortwerth in memory of the Bridges Family, Stephen Bridges Ryan Packham Cynthia Paden Gregory K. Palm in honor of Olea Kosubevsky W.L. Palmer Robert Palmquist in memory of Jesse Laufer Robert Parker Robert Parker in honor of the Bushaws Kimberley Paul Kathryn (Katie) Paultre in honor of the Anritsu Company Kathryn (Katie) Paultre in honor of Bria Media Kathryn (Katie) Paultre in honor of **BWW Communications** Kathryn (Katie) Paultre in honor of Hufmann Media Sales

Kathryn (Katie) Paultre in honor of John Day Kathryn (Katie) Paultre in honor of Linear Technology Corporation Kathryn (Katie) Paultre in honor of Power Integrations Kathryn (Katie) Paultre in honor of Power Systems Design Marc Pawliger Maggie Pax in honor of Ben Donahue -Battery Powered Pickle Jar Heads team Maribeth Payton in honor of Holly Berg-McDonald Glen Pearson Jon Pence Arnold S. Penner Foundation Inc. R. Pereira Pete Pereira Guilherme Perett Philip Perivolaris Jordan Perr-Sauer John Peters Kyle Petersen Jacqueline Petit My Thanh Pham Sont Pham Tammy Pham David Phillips Traci Ann Vinopal Phillips Stephen Philpott Robert Philpott Jr. Joseph & Andrea Piacentine Ashley Pierce **Kevin Pieters** Lorrie Piper **Flizabeth Plott Richard Pogue** Michele Polk William Pollocl Matthew Pope Alex Poula Eric Prager Jennifer Prentice Rob & Stacy Pressman Thomas Propst Kimberley Prygocki-Jeakins Cyril Puthoff Rodney Qualls Jason Quesenberr Eileen & Leslie Quick Job Rabinowitz Valerie Radwaner in memory of Jesse Laufer Kim Raymoure Thaddeus Reardon Patricia Rector Justin Reese David Regen Steven & Gail Reinemund Christophe Renaud David Rich

Jamie Rich Robert James Richardson Ariel Rideout Elizabeth Riley Leslie Ringling in honor of Mark Gurgol Hiram Joel Bios Cristina Roark Stephen & Pilar Robert Patricia Meeks Roberts Gerard Roche G.R. Rodgers Jonathan Rodin Hector Rodriguez-Aviles in memory of Mr. Sergio Hector Rodriguez Romo Dennis Rogers in honor of Frank Brand Nicholas Romano M.D. Romero Michael Romero **Rosenbluth Family Foundation** Rosenthal Family Foundation in memory of Jesse Laufer Mark Rosin Steven Ross Jillian Leigh Rothwell L.R. Rourke Jennifer Rov Paul Royte in memory of Dr. Frank A. Brand Jonathan Rucker in honor of Reid Rucker Edward Patrick Rush M.W. Rushing Michael Rusignuolo **Russell Charitable Fund** Edward Bust The Ryan Family Foundation Mark Sanfilippo Lizabeth Sarakin Dilip Sathe Marjorie Sauer Terrence Sauer Lois Sayrs Kristine Scarpone Lisa Schaab David Schafer in memory of Jesse Laufer R.L. Schaffer Mark Schemel Paul Schilling Fric Schimme James Schnu J.R. Schnur John Schreiber Gordon Scott Nancy Seiler in memory of Frank A. Brand Elizabeth Seufert Neal Shapiro Catherine Shapp Behrooz Shariati in memory of Claire C. Toohey Peter Sharples Eric & Mary Sherk

# **Young Inventors**

## The FIRST LEGO League Global Innovation Award presented by XPRIZE® Celebrated 5 Years

This award is designed to encourage and assist *FIRST* LEGO League teams to further develop their innovative solutions to real-world problems. For the first time this year, 20 Semi-Finalist teams presented their solutions to judges in person during the FIRST Championship in St. Louis. All teams were then

inducted as Global Innovation Ambassadors, promising to continue their journey of innovation, share with their communities, and keep their spark of innovation lit.

The winner and two runners up were honored at a ceremony at the United States Patent and Trademark office in June. 2015.



#### Invention:

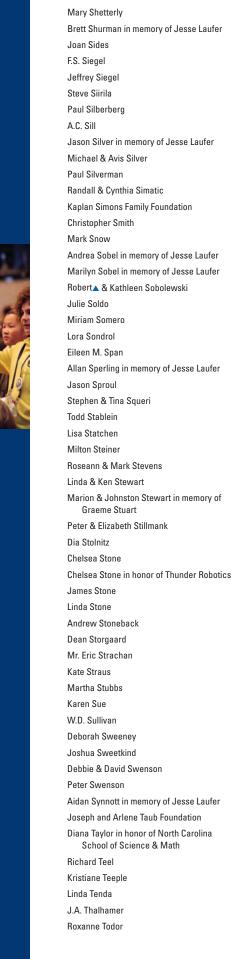
The ROY G. BIV Math System is an app designed to improve the way children challenged with dyslexia learn new math concepts. This system keeps digits in place when math is performed, allowing students to easily spot flipped digits out of a rainbow color order.

## The FIRST Future Innovator Award sponsored by the Abbott Fund

The FIRST Future Innovator Award launched this year with a new timeframe, allowing participation by more FIRST Tech Challenge and FIRST Robotics Competition teams in their off seasons. Through the invention of a unique solution, this award honors creativity and problem-solving. New this year is



having teams apply their inventing skills to one of three chosen National Academy of Engineering's Grand Challenges – access to clean water, advancing health informatics, or engineering the tools of scientific discovery.



John Towery Bang Tran Karen Treff Nicholas Trent Melissa Trepanier Sandy Trissell Dana Tupy Mucahit Turel William & Judith Turner Robert - & Lynn Tuttle in memory of Claire C. Toohey Paul & Judy Ulland Vijay Umapathy Wesley Urbanik Sameer Vachani Donna Van Ness Joe Varnell Ms. Angela Ventresco Angela Volk Maria Vullo in memory of Jesse Laufer Andrew Wagner Dr. Zev Waldman Ellen Walker in memory of Paul Walker Schaffel Mark Walker in memory of Jim Bollensen Chervl Walsh Nancy Walsh in memory of Andrew Nicholson Frank Walter III & Marguerite Walter Karen Warack in honor of the Leadership Team Bruce Warner in memory of Jesse Laufer T.S. Warner James Watkins Mark Watts Barry & Stephenie Weakley Elaine Webb Joseph Weber **Beverly Weeks** Vicki Weinsetin in memory of Jesse Laufer Shawn Weisfeld The Weiss Foundation John Whitaker Gamunu Wijetunge Timothy Wilczynski Vincent Wilczynski Henry (Hank) Wilde Willett Family Foundation Chris Willett Michelle Williams Vicky Williams Sandi Willsey in honor of my son Colin R. Lemen, FIRST Scholarship recipient Jeffrey Wilson in honor of Brandy Menzel Jeffrev Wilson in honor of Lori J. Wilson Jerry Wilson Lee Wilson

Patricia Tolbert

Andrea Winegar Andrew Witman Chad Wittrock Michael Woinsky in honor of Alan Woinsky Pamela Wong Christie Ann Woodman Joshua Wright Timothy Wright David Wrobel John Wrobel in memory of Frank Brand, Sr. B.P. Wu Trond Wuellner Craig Yanks Lester Yee Joanne Zhang Xi Zhang Elizabeth Zimmer Rvan Zimmer

2015 FIRST CHAMPIONSHIP **SPONSORS** Presenting Sponsor

# 

#### Program Sponsors

Energizer Holdings, Inc. FedEx Corporation Center for Energy Workforce Development (CEWD) Google.org Monsanto Company NRG Energy, Inc. United Technologies Corporation (UTC) U.S. Air Force

#### FIRST Shipping Sponsor FedEx Corporation

#### **Sponsors**

Abbott Fund **Bechtel Group Foundation** Belden Inc The Boeing Company Booz Allen Hamilton, Inc. BOSCH The Coca-Cola Company Comcast NBCUniversal Dr. William H. Danforth The Dow Chemical Company Edward Jones Foundation International Council on Systems Engineering (INCOSE) **Microsoft Corporation** Mouser Electronics, Inc. Nidec Motor Corporation **NVIDIA** Corporation Patriarch Partners/I Am Jane St. Louis Regional Chamber Scottrade, Inc Southwest Airlines SpaceX Trio Foundation of St. Louis UI Vulcan Spring and Mfg Co. Wells Fargo Advisors

#### BART KAMEN SCHOLARSHIP FUND CONTRIBUTORS

John Abele /Argosy Foundation Frank DeLorenzo Jay Duchin Marcia Smith Fleres Margaret Frankian Bahi Ghazal Tuan Hoang

Marc Hodosh 🔺 Robert Iles Dean Kamen Kaplan Simons Family Foundation George Lanigan in memory of Claire C. Toohey Richard Lanigan in memory of Claire C. Toohey Lloyd Lee Lively Group Minh Nguyen Van Nguyen Anne Ortwerth & Mary Gunter Judith Peritz Ethel Rubinsteir Dana & Kathy Seero Linda Stone Maureen Toohey Gary 
and Diane Tooker Family Foundation Robert Tuttle Jim Utaski 🔵 Josh Weston 🖌 Mr. & Mrs. Vincent 🔺 Wilczvnski Sandi Willsey

#### 2015 FIRST ALLIANCES

American Society for Engineering Education (ASEE) Automation Federation/ISA Boys & Girls Clubs of America Girl Scouts of the USA MIT Alumni Association National 4-H Council National Center for Women & Information Technology (NCWIT) National Parent Teacher Association (PTA) National Robotics Week Society of Hispanic Professional Engineers Society of Women Engineers (SWE) Yale Science & Engineering Alumni

#### 2015 FIRST SCHOLARSHIP **PROVIDERS**

#### Platinum (\$500,000+)

Capitol Technology University Clarkson University Florida Institute of Technology Michigan Technological University Milwaukee School of Engineering Olin College of Engineering (Franklin W.) University of Advancing Technology University of Rochester U.S. Navy ROTC - St. Louis Recruiting District Yale University



#### Gold (\$100,000-\$499,999)

Bart Kamen Memorial FIRST Scholarship Fund **Boston University** Lindenwood University Merrimack College Nipissing University Northeastern University Randolph College Rensselaer Polytechnic Institute Rochester Institute of Technology Rose-Hulman Institute of Technology Stevens Institute of Technology SUNY Polytechnic Institute **Tulane University** University of Hartford Webb Institute **Bucknell University** College of the Atlantic Culinary Institute of America **Daniel Webster College** Drexel University Embry-Riddle Aeronautical University - AZ Embry-Riddle Aeronautical University - FL Hudson Valley Community College Illinois Institute of Technology Instituto Tecnológico Autónomo de México (ITAM) Kettering University Lawrence Technological University Worcester Polytechnic Institute

#### Silver (\$40,000-\$99,999)

Arizona State University Bradley University California State University Los Angeles/ Boeing Case Western Reserve University City College of New York Fairleigh Dickinson University Florida A&M University Gates Corporation Harvey Mudd College Johnson & Wales University Macquarie University Marguette University Massachusetts Institute of Technology (MIT) McKendree University Missouri University of Science and Technology New Jersey Institute of Technology **Ohio State University** Oklahoma State University Pace University Pacific University **Raytheon Company** Robert Morris University Seattle Pacific University

Temple University University of Cincinnati University of Iowa University of Kansas University of Minnesota Twin Cities University of Portland University of Saint Joseph Connecticut University of South Carolina University of Southern California University of Texas Arlington Vaughn College of Aeronautics and Technology Virginia Commonwealth University (VCU)

#### Bronze (\$20,000-\$39,000)

Adelphi University California University of Pennsylvania Canadore College Carleton University Carnegie Mellon University College for Creative Studies Colorado State University Columbus College of Art and Design Eastern Washington University Frank Minolli Foundation Gordon College Grand Valley State University Hofstra University Mollov College Northwestern University **Rutgers University** St. Clair College Sanghi Family Foundation Southern New Hampshire University (SNHU) Texas Tech University University of Detroit Mercy University of Illinois at Chicago University of Maryland College Park University of Massachusetts Lowell -Engineering University of Massachusetts Lowell -Sciences University of Washington Washington University in St. Louis/Boeing William Paterson University York University

#### Brass (up to \$19,999)

American Petroleum Institute ASME Auxiliary Inc. Baker University Boise State University Central Washington University DePaul University Digipen Institute of Technology Eagle Robotics East Carolina University Eastern Michigan University Elbit Systems Farmingdale State College Ferris State University George Fox University Georgia Institute of Technology Globe University Idaho State University Idaho State University Indiana State University Indiana University – Purdue Uni Indianapolis (IUPUI) ITT Technical Institute CU) Kansas State University Lake Superior State University

Indiana University – Purdue University Indianapolis (IUPUI) Lake Superior State University Marvville University Mercer University School of Engineering Metropolitan Community College - Business & Technology Metropolitan Community College - Maple Woods Mineral Area College Montclair State University Murray State University New York Institute of Technology New York University Polytechnic School of Engineering (NYU Poly) NHTI, Concord's Community College North Carolina Agricultural and Technical State University (A&T) North Carolina State University Northern Illinois University Nuts, Bolts and Thingamajigs Foundation Oregon Institute of Technology Oregon State University Pellissippi State Community College Pennsylvania College of Technology Pennsylvania State University Phil Clancy Memorial Scholarship Portland State University Purdue University Queen's University Redstone College Ryerson University St. Louis Community College Schoolcraft College SMaRT Education Society of Petroleum Engineers Society of Women Engineers (SWE) South Dakota School of Mines and Technology Southern California Regional Robotics Forum (SCBBE) Southern Methodist University Southwestern Michigan College Spring Arbor University

SUNY Potsdam

Texas A&M University Computer Science

Texas Instruments Incorporated

United States Naval Academy

University of Central Missouri

University of Connecticut University of Massachusetts Amherst University of Minnesota, Duluth University of Mississippi University of Missouri University of Missouri - Kansas City University of Nevada Las Vegas University of New Hampshire University of New Hampshire Manchester University of Ontario Institute of Technology (UOIT) University of South Florida University of Tennessee Knoxville University of Texas at Austin University of Texas at San Antonio University of Toronto University of Vermont University of Waterloo University of Windsor University of Wisconsin, Madison Velcro Industries Washington State University, College of Agricultural, Human, and Natural **Resource Sciences** Washington State University - Voiland College of Engineering and Architecture Western Carolina University Western University Whitworth University Xavier University Youngstown State University

2014-2015 SEASON FIRST LEGO LEAGUE JR. SPONSORS



Top Team Sponsors Sponsors in this section are listed in descending order starting with the Sponsor of the highest number of teams. John Deere National Defense Education Program (NDEP)

Rockwell Automation, Inc. United Technologies Corporation (UTC) Booz Allen Hamilton, Inc. The Dow Chemical Company Motorola Solutions Foundation

#### 2014-2015 SEASON FIRST LEGO LEAGUE SPONSORS

Founding Partner



Global Sponsors







### Rockwell Automation

FIRST LEGO League Global Innovation Award presented by XPRIZE®

Founding Partner XPRIZE®

In Cooperation with

Edison Nation The United States Patent and Trademark

Office

Partners in Innovation

Booz Allen Hamilton, Inc. John Deere LEGO® Education Bockwell Collins, Inc.

#### **Top Team Sponsors**

(10 or more teams in 2014-2015) Sponsors in this section are listed in descending order starting with the Sponsor of the highest number of teams National Defense Education Program (NDEP) John Deere Rockwell Collins, Inc. Rockwell Automation, Inc. Caterpillar Foundation Leidos, Inc DC Public Schools GE Healthcare Booz Allen Hamilton, Inc. Motorola Solutions Foundation United Technologies Corporation (UTC) GE Energy **Bechtel Group Foundation** General Motors Corporation The Dow Chemical Company Motorola Mobility Foundation PTC. Inc. TE Connectivity SAIC Teradata Corporation

#### Host Organizations and Championship Tournament Sponsors Australia

Macquarie University BAE Systems Australia Bechtel Group Foundation Cedars Christian College Curtin University Google.org Grace Lutheran College Granville Boys High School King David School LEGO® Education Narrabeen Sports High School

NI

Northern Advanced Manufacturing Industry Group

Queensland University of Technology

#### Austria

HANDS on TECHNOLOGY e.V.

LEGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH

#### Bahrain

*King Hussein Foundation* Jubilee Center for Excellence in Education

#### Belgium

Stichting Techniekpromotie 3M Company ASML Avans Hogeschool **Deltion College** Discovery Center Continium Fontys Hogescholen Frencken Haags Centrum voor Onderwijsbegeleiding Hanze University Groningen Heutink Hogeschook Utrecht Hogeschool Vives IWT (Belgium) HZ University of Applied Sciences IBM Corporation ISW Poeldijk Jet-Net Katholieke Hogeschool Leuven (Belgium) Kenniscentrum Bèta Techniek The LEGO Group NEGD NI POA Valleiregio Prowise Radboud Universiteit Nijmegen Rijksuniversiteit Groningen **ROC Drenthe College** Rockwell Automation, Inc Saxion Science Center Delft Sluijs Management Statoil Stichting DOENK Summa College Techniektalent nu Technische Universiteit Delft Technische Universiteit Eindhoven Trudo Klokgebouw Eindhoven Universiteit Leiden Universiteit Twente Universiteit Utrecht Universiteit van Amsterdam

VOKA (Kamer van Koophandel) Limburg (Belgium)

Vrije Univesiteit Amsterdam

Wageningen Universiteit

YouTech

#### Brazil

SESI - Brazilian Social Services of Industry-National Department

ABC - Brazilian Science Academy

Colégio Eduardo Gomes (Primary and High School)

Federal Institute of Paraná

General Motors Company, Brazil

NI Brazil

**OBR** - Brazilian Robotics Olympics

Rockwell Automation, Inc., Brazil

SESI Regional Departaments (9): Amazonas, Bahia, Distrito Federal, Goiás, Minas Gerais, Paraná, São Paulo, Rio Grande do Sul, Rio Grande do Norte

Z00M Education

#### Canada

#### Alberta

Alberta Youth Robotics Society

Association of Professional Engineers, Geologists and Geophysicists of Alberta

Association of Science and Engineering Technology

Edmonton Catholic Schools

City of Edmonton

Edmonton Economic Development

#### Newfoundland and Labrador

College of the North Atlantic, PPD Campus

Department of Business, Tourism, Culture and Rural Development (BTCRD) (Government of Newfoundland and Labrador)

Skills Canada Newfoundland and Labrador Statoil

Verafin, Inc.

#### Nova Scotia

Acadia University

Community One Connell Chrysler Dodge Jeep

Lockheed Martin Corporation

Long & McQuade

Michelin Canada

The Natural Sciences and Engineering Research Council of Canada (NSERC)

Nova Scotia Business Inc.

Nova Scotia Community Colleges (NSCC)

Pratt & Whitney Canada (PWC)

Province of Nova Scotia – Economic and Rural Development and Tourism

Province of Nova Scotia – Labour and Advanced Education

RBC Corporation (Royal Bank)

Ontario

Durham College

HexBugs

McMaster University

Government of Ontario

Ontario Power Generation Qualcomm Incorporated Synnex University of Ontario Institute of Technology University of Waterloo Yves Landry Foundation Québec **BMO** Financial Group Bombardier Brault & Bouthillier **Commission Scolaire Beauce-Etchemins** Commission Scolaire de la Pointe-De-L'Ile Commission Scolaire de Montréal Commission Scolaire Marguerite-Bourgeoys CRSNG **Emplois Compétences** English-Montreal School Board Fondation Joseph Armand Bombardier Fondation Lucie et André Chagnon General Electric Company (GE) Groupe Canam Manac Ménard Family City of Montreal Réseau Réussite Montréal Robotique FIRST Québec Saputo Université de Sherbrooke Youth Fusion Chile Fundación SparkTalents **Bechtel Group Foundation** Inacap China Semia Limited **Bechtel Group Foundation** The Boeing Company, China Xi'an Jiaotong-Liverpool University Colombia Fundación Global Arte Ciencia y Technología **Czech Republic** HANDS on TECHNOLOGY e.V. Eduxe LEGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH

#### Denmark

FIRST Scandinavia The Norwegian Directorate for Education and Training The Norwegian Public Roads Administration Norwegian Research Council SKS Statoi Tekna

#### Dominican Republic Fundación para el Desarrollo de las Ciencias y Tecnología Design Studio, The Bold Look of Kohler Familia León-Rivera Egypt Robotics, Technology and Human Resources Development Association Ministry of Communication and Information Technology Techno Future Egypt Technology Innovation Entrepreneurship Center Estonia MTÜ Robootika АННАА A.Le.Coa Büroomaailm Eformular Energia Avastuskeskus HARIDUS-JA TEADUSMINISTEERIUM HASARTMÄNGUMAKSU NÕUKOGU Hinnavaatlus OÜ HITSA Kaitseressursside Amet KÕU KUMA print Nutilabor ROBOMIKU ROBOTEX Saku Läte

#### Škoda Tallinn Swedbank TARTU ÜLIKOOL **Faroe Islands** FIRST Scandinavia The Norwegian Directorate for Education and Training The Norwegian Public Roads Administration Norwegian Research Council SKS Statoil Tekna France Association MEDIO Sciences Environnement Aquitaine Robotics Association Arcadie Assomption Sainte Clotilde Bordeaux Ville de Bordeaux Conseil Général de Gironde Conseil Général de la Nièvre Le Cube (Centre de Création Numérique Grand Paris Seine Ouest) ENSEIRB MATMECA (Ecole d'ingénieur) ISTY (Institut des Sciences et Techniques des Yvelines) Jeulin

Jeunes Sciences Bordeaux

LEGO<sup>®</sup> Education

Ville de Meudon Ville de Nevers Nièvre Numérique Ville de Saint Etienne Germany HANDS on TECHNOLOGY e.V. LEGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH Greece EduACT 91.1FM Alexander Innovation Zone S.A. The American Consulate General in Thessaloniki Aristotle University of Thessaloniki School of Philosophy and Education AXON Global Education Network BETA CAE Systems S.A. e-Charity Epi-Direct Leda Papadopoulou -Communication Experts epiloges.gr Ethnos Newspaper FM100 Greek Rescue Team Hellenic Petroleum S.A. hello advertising IEK AKMH - AKMI College Inter Brokers - Interbrokers, Insurance Company Interworks S.A. Karfitsa.gr Keridis Works Company Kleemann Municipality of Kordelio-Evosmou Livemedia Makedonia Newspaper Makedonia TV Ministry of Macedonia and Thrace MIS ΜΠΕΛΛΗΣ Κ. & ΣΙΑ Ο.Ε. Nerit 102 FM Olympia Electronics THE P&M Printing Fashion Company Municipality of Pilea-Chortiati Print Xpress Company Radio Thessaloniki Region of Central Macedonia Regional Solid Waste Management Association of Central Macedonia Science Center and Technology Museum "NOFSIS Seven Studio 8 Photography SUNSHINE 107.7

Municipality of Thessaloniki Thessaloniki Concert Hall Organization ThessPrint TV100 Vikos Zagorochoria XPΩMA FM 105.8 Youth Foundation of the Metropolis of Neapolis and Stavropolis Υπουργείο Πολιτισμού, Παιδείας και Θρησκευμάτων (Hellenic Ministrv of Culture, Education and Religious Affairs) Πυγολαμπίδες στο κλουβί Haiti FEDUDEVH FIRST Tech Challenge Team 6081 "i<sup>2</sup>robotics" FIRST Robotics Competition Team 384 "Sparky" Lakai Marie LEGO Foundation Hong Kong Semia Limited Hong Kong Youth Federation Hungary HANDS on TECHNOLOGY e.V. LEGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH Iceland FIRST LEGO League á Íslandi Krumma Nýherji University of Iceland India India STEM Foundation Caterpillar, Inc. John Deere LEGO Foundation Techtronics Education Indonesia Mikrobot ABC Alkaline Axioo Cerebrofort & Cerebrovit Tuniungan Plaza Israel FIRST Israel Bank Hapoalim City of Dimona Ha'Kfar Ha'Yarok City of Hertzeliya City of Jerusalem City of Kfar Yona Meitar Council Misgav Council

#### City of Nes Tziyona City of Ra'anana City of Rehovot Robotec Technion – Israel Institute of Technology Tel-Aviv Yaffo Academic College City of Tel Aviv Yaffo World ORT City of Yerucham Italy Fondazione Museo Civico di Rovereto 100-0NF Ant di Rovereto ART TEH (Almese - TO) Caterpillar, Inc. Istituto Don Milani Media Direct srl Montura Polo Meccatronica Rovereto UCIMU Cfp G. Veronesi Japan FIRST Japan **Crefus** Corporation The Japan Society of Mechanical Engineers LEGO<sup>®</sup> Education Tokyo Institute of Technology Jordan King Hussein Foundation Booz Allen Hamilton Inc. Jubilee Center for Excellence in Education **Republic of Korea** FEST (Feeling and Enjoying Science & Technology Organization) C & M Broadcasting, Inc. Dongseo Culture FUNERS LEGO<sup>®</sup> Education III Korea Kuwait King Hussein Foundation Jubilee Center for Excellence in Education Latvia MTÜ Robootika Argus RT SIA U.S. Embassy in Riga, Latvia Lebanon Cedars Cultural School-Education and Technology Center American University in Beirut (AUB) Nestle Lithuania Robotikos Akademija

Baltic Orbis

INFOBALT

City of Modiin- Makkabim - Reut

Luxembourg Stichting Techniekpromotie **3M Company** ASML Avans Hogeschool **Deltion College Discovery Center Continium** Fontys Hogescholen Frencken Haags Centrum voor Onderwijsbegeleiding Hanze University Groningen Heutink Hogeschook Utrecht Hogeschool Vives IWT (Belgium) HZ University of Applied Sciences IBM Corporation ISW Poeldijk Jet-Net Katholieke Hogeschool Leuven (Belgium) Kenniscentrum Bèta Techniek The LEGO Group NI NFGD POA Valleiregio Prowise Radboud Universiteit Niimeger Rijksuniversiteit Groningen **ROC Drenthe College** Rockwell Automation, Inc. Saxion Science Center Delf Sluijs Management Statoil Stichting DOENK Summa College Techniektalent nu Technische Universiteit Delft Technische Universiteit Eindhoven Trudo Klokgebouw Eindhoven Universiteit Leiden Universiteit Twente Universiteit Utrecht Universiteit van Amsterdam VOKA (Kamer van Koophandel) Limburg (Belgium) Vrije Universiteit Amsterdam Wageningen Universiteit YouTech Malaysia Sasbadi Holdings Berhad Bechtel Group Foundation - Malaysia **CIMB** Foundation The Institution of Engineering and Technology (IET) **KDU University College** LEGO<sup>®</sup> Education

Majlis Amanah Rakyat (MARA)

Ministry of Education, Malaysia

Motorola Solutions Foundation National Science Centre (MOSTI) Penang Science Council Politeknik Ungku Omar, Ipoh, Perak State Education Departments Taylor's University Telekom Malaysia Berhad Universiti Teknologi MARA (UiTM), Tapah, Perak Universiti Teknologi PETRONAS (UTP), Perak Mexico Explora, Descubre Y Crea, AC General Motors Company, México Instituto Tecnológico Autónomo de México  $(IT\Delta M)$ Instituto Tecnológico y de Estudios Superiores de Monterrey - Campus Toluca MUTEC – Museo de Tecnologia y Ciencia Bárbara and Ignacio Navarro

Oxford School of English, A.C.

Promedici, S.A. de C.V.

Rockwell Automation, Inc

#### Montenegro

Young Inventors of Montenearo Municipality Bar Municipality Bijelo Polje Municipality Cetinje Domen Elko Tim Fleka Mensa Montenegro

Ministry of Education, Government of Montenearo

Ministry of Labour and Social welfare. Government of Montenearo

Ministry of Science, Government of Montenegro

Neckom

Telenor

#### **Netherlands**

Stichting Techniekpromotie 3M Company ASML Avans Hogeschool **Deltion College Discovery Center Continium** Fontys Hogescholen Frencken Haags Centrum voor Onderwijsbegeleiding Hanze University Groningen Heutink Hogeschook Utrecht Hogeschool Vives IWT (Belgium) HZ University of Applied Sciences **IBM** Corporation ISW Poeldiik Jet-Net Katholieke Hogeschool Leuven (Belgium) Kenniscentrum Bèta Techniek

The LEGO Group NI NEGD POA Valleiregio Prowise Radboud Universiteit Niimegen Rijksuniversiteit Groningen ROC Drenthe College Rockwell Automation Inc. Saxion Science Center Delft Sluijs Management Statoil Stichting DOENK Summa College Techniektalent nu Technische Universiteit Delft Technische Universiteit Eindhoven Trudo Klokaebouw Eindhoven Universiteit Leiden Universiteit Twente Universiteit Utrech Universiteit van Amsterdam VOKA (Kamer van Koophandel) Limburg (Belgium) Vriie Universiteit Amsterdam Wageningen Universiteit YouTech

#### New Zealand

Kiwi FIRST Academic Colleges Group DMXking.com

#### Nigeria

CODERINA National Information Technology Development Agency (NITDA)

SAP

University of Abuja

#### Norway

FIRST Scandinavia The Norwegian Directorate for Education and Training The Norwegian Public Roads Administration

Norwegian Research Council

SKS

Statoil

Tekna

#### Oman

King Hussein Foundation Jubilee Center for Excellence in Education

#### Pakistan

STARfALL (Science and Technology Awareness-and Recognition for All)

**GIFT University** 

LEGO Foundation

Robo Campus

#### Palestine

King Hussein Foundation Jubilee Center for Excellence in Education Peru

#### Wernher Von Braun IEP S.A. **PRONABEC - BECA 18**

#### **Philippines**

FELTA Mutli-Media, Inc. American Airlines/Cathay Pacific Enchanted Kingdom Implementing Agency - DepED - Department of Education Intel Corporation Quezon Science Interactive Center

#### Poland

HANDS on TECHNOLOGY e.V. Akces LEGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH

#### Portugal

Evoluir21 ARABOT HI-FI, Lda. Instituto Superior Técnico - Campus Taguspark

#### Qatar

King Hussein Foundation Jubilee Center for Excellence in Education

#### Russia

Volnoe Delo Foundation EN+ Group GAZ Group

#### Singapore

Duck Learning Canadian International School IDA Labs Infocomm Development Authority of Singapore (IDA)

#### **Slovakia**

HANDS on TECHNOLOGY e.V. Anasoft Eduxe LEGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH

#### Slovenia

Zavod Super Glavce EFAFLEX INŽENIRING, d.o.o., Ljubljana Epilog d.o.o. HALCOM Group L-TEK d.o.o.

Metrel d d Mint International House d.o.o Rotary Club Ljubljana Tivoli SAP d.o.o. Yaskawa Slovenija d.o.o South Africa Tshwane University of Technology Cape Town Science Centre KwaZulu Natal Science Centre Nelson Mandela Metropolitan University SAP South Africa Sci-Bono Discovery Centre TSH Bonisa University of South Africa Spain Fundación Scientia Fundación Telefónica GMV Sweden FIRST Scandinavia

The Norwegian Directorate for Education and Training The Norwegian Public Roads Administration Norwegian Research Council SKS Statoil Tekna Switzerland

HANDS on TECHNOLOGY e.V. Educatec I FGO GmbH Mellowmessage GmbH Motorola Solutions Foundation NI GmbH SAP AG Vision Components GmbH

#### Taiwan

K Kingdom Inc. E SUN ROBOT ASSOCIATION Microsoft Corporation National Science and Technology Museum NI PTC, Inc.

#### Thailand

Gammaco (Thailand) Co., Ltd. **Bechtel Group Foundation** CPRAM Co., Ltd. LACTASOY Co., Ltd.

#### Tunisia

King Hussein Foundation Jubilee Center for Excellence in Education

#### Turkey

Bilim Kahramanlari Dernegi (Science Heroes Association Abalioglu

Allianz Booz Allen Hamilton, Inc. Borusan BSH Bursa Teleferik Cavkur Cocukus Damla Demirer Holding DRC FARPI AS FMB Galeri Zilbermar Hacettene University HDI Insurance Humanera (Transearch) **IBM** Corporation Incekara Holding Inci Aku Innova Intel Corporation Ipragaz Istanbul Kultur University The LEGO Group Limak Marmassitance Opel Orta Anadolu Ozel Mava Okullari Philips Pinar PR Istanbul Prfit Promar Textiles Social Innovation Center (SIM) SomaDA Teknokta UBS Uludag Robot Toplulugu Uludag University Yasar University Ukraine Proleao Ltd Google.org **LEGO** Foundation LEGO Ukraine LLC **United Kingdom & Ireland** The Institution of Engineering and Technology (United Kingdom & Ireland) American School in London **Bechtel Group Foundation Callington Space Centre** 

Caterpillar, Inc

Dvnamic Earth

**Engineering Education Scheme Wales** 

Intelligent Automation

Ford Motor Company

EPSRC Centre for Innovative Manufacture in

HP Labs IWM Duxford Lambdajam l earn lt Loughborough University Marden CLC NI OpenZone CLC Parkair Systems Perkins/Caterpillar Foundation Portsmouth University Queen Mary University London **REACT** Foundation Royal Academy of Engineering SAP Satrosphere Science Center Sheffield Hallam University STFC Daresbury Laboratory **Teesside University** University of Birmingham University of Bradford University of Brighton University of Coventry University of Kent W5 Walt Disney Company Wessex Setpoir Winchester Science Centre **United States** Adventist Robotics League North American Division Office of Education Adventist Health Sacramento Adventist Academy Southern Adventist University Walla Walla University School of Engineering Alabama Association for Unmanned Vehicle Systems International (AUVSI) FIRST Robotics Competition: Team 538 "The Arabian Knights" Team 3319 "Grissom High School" Grissom High School Alaska Alaska Airlines Alaska Communications Alaska Development Corporation Anchorage School District BP Corporation North America, Inc. Fairbanks North Star School District GCI Juneau Economic Development Council Lower Kuskokwim School District University of Alaska Anchorage, School of Engineering University of Alaska Fairbanks, College of Engineering and Mines

**Galway Education Centre** 

**Glasgow Science Centre** 

Gatwick Airport

#### Arizona

Arizona State University, Ira A. Fulton Schools of Engineering General Motors Company Desert Proving Ground Intel Corporation LEGO Foundation **Baytheon** Company SAIC Time Warner Cable Gary 
and Diane Tooker Family Foundation Arkansas Arkansas FIRST Incorporated Arkansas State University Mountain Home Baxter Bistro Baxter Healthcare Corporation Harding Academy HEBCO Inc. Hot Springs Intermediate School Mountain Valley Spring Water The Science and Technology Group, Inc. Springdale High School Twin Lakes McDonald's

#### California - Central

University of Arkansas College of Engineering

**Clovis Unified School District** Derrel's Mini Storage Fig Garden Rotary Anita Meffley Visual Impact Technologies, Inc. California - Los Angeles **Chaffey College** Girl Scouts of Greater Los Angeles La Canada Unified School District Milken Schools

**Orcutt Union School District** Rockwell Collins, Inc. **Temple City School District** 

#### California - Southern/LEGOLAND®

LEGOLAND<sup>®</sup> California National Defense Education Program (NDEP)/ SPAWAR

OpenProjectsandApps.org SPAWAR System Command SPAWAR Systems Center Pacific Time Warner Cable ViaSat, Inc.

#### Colorado

Arrow Electronics Broadband Video ColoradoGives.org Computer Explorers Denver Museum of Nature & Science

**Gates** Corporation InterCall Lockheed Martin Corporation LunarG Nan Desu Kan Wade & Katherine Sutton Technetronic Solutions, Inc. Trace3 TerumhoBCT United Launch Alliance (ULA) U.S. Engineering

#### Connecticut

Buck Foundation Dominion Millstone Power Station Enfield School System FIRST Robotics Competition: Team 155 "The Technonuts Team 173 "RAGE" Team 175 "BUZZ" Team 230 "GaelHawks" Team 236 "The Techno Ticks" Team 558 "Elm City Robo Squad" Team 1071 "Team Max" Greenwich Academy

Ingenuity NE LEGO Corporation of America Northeast Utilities Foundation

# Pfizer Corporation

Delaware Delaware State University DuPont The DuPont Chapter of Sigma Xi First State Robotics Honda Foundation Salem Community College Society of Women Engineers (SWE) United Way

#### Florida

FIRST Robotics Competition Team 86 "Team Resistance" Team 180 "SPAM" Team 233 "The Pink Team Team 386 "Voltage" Team 801 "Horse Power" Team 1251 "TechTigers" Team 1369 "Minotaur" Team 1592 "Bionic Tigers" Team 1902 "Exploding Bacon" Team 3932 "Dirty Mechanics" Team 4013 "Clockwork Mania"

GF Volunteer Network

Rockwell Collins, Inc

SAIC United Launch Alliance (ULA)

Walt Disney World Design & Engineering

#### Georgia The Boeing Company

Georgia Tech Center for Education Integrating Science, Mathematics & Computing (CEISMC)

Georgia Tech Research Institute (GTRI)

Georgia Tech School of Electrical & Computer Engineering (ECE) Phillips 66

Shell

California – Northern Aragon High School Google.org Inderkum High School Intel Corporation **Playing At Learning** Sobrato High School

# Applied Medical

Women in Electrical & Computer Engineering (WECE)

Guam Andersen Middle School Guam Department of Education Micronesia Mall St. Paul Christian School SPAWAR Systems Center, Pacific Hawai'i Friends of Hawaii Robotics/Robotic Organizing Committee Hawaiian Electric Industries Charitable Foundation HI FusionED City & County of Honolulu Honolulu Community College -Construction Academy Island Insurance Tesoro Corporation University of Hawaii - College of Enaineerina Women in Technology/MEDB Idaho Ada County Extension Office Avista Foundation Boise State University College of Southern Idaho Girl Scouts of Eastern Washington & Northern Idaho Holy Family Catholic School Idaho 4-H Endowment Idaho Falls County Extension Office Idaho National Laboratory Idaho State University, College of Engineering Idaho State University, College of Technology Idaho State University, Electronics Department Idaho State University, Energy Systems Technology and Education Center Kendall Subaru of Idaho Micron Foundation M.J. Murdock Charitable Trust Nez Perce County Extension Office Open Lab Idaho Sandpoint High School Starbucks Twin Falls County Extension Office University of Idaho, College of Agricultural & Life Sciences University of Idaho Support Services Washington County Extension Office Illinois 4-Sure Entertainment Bradley University Brickworld Burke, Warren, MacKay & Serritella, P.C. Caterpillar, Inc. Delta Tau Data Systems Elgin Community College

Five Star Audiovisual

Fountain Foundation John Deere Krafts Foods Group Foundation Mandle Design Creative Services Motorola Solutions Foundation Omron BLC Sound SciTech Hands On Museum, Aurora Scott Air Force Base Sonoscan, Inc Sports Awards Takeda TMA Education Foundation University of Illinois at Champaign Weiss Sugar Dvorak & Dusek Ltd. Indiana 3M Company

Brickworld Exelis Indiana University – Purdue University Fort Wayne (IPFW)

## Markeys Rental and Staging

lowa Iowa State University College of Engineering

John Deere

Rockwell Collins, Inc.

#### Kansas City Region Black & Veatch

Burns & McDonnell Cerner DST systems Garmin Google Fiber Honeywell International Inc. Ewing Marion Kauffman Foundation KC STEM Alliance Science City - Union Station University of Missouri - Kansas City School of Computing and Engineering VMI Kansas – Liberal Golden Plains Credit Union City of Liberal

Kentucky Northern Kentucky University

#### I ouisiana American Petroleum Institute - Delta Chapter

Hon. & Mrs. Charles Cusimano II

- Wendell and Anne Gauthier Family Foundation
- The Bruce J. Heim Foundation

The Faculty. Staff and Students of Holy Cross School

Intralox

- Kentwood Water
- Murar Foundation Inc.
- NASA Stennis Space Center
- Dr. Sanford Pailet
- Perrier Party Rentals, Inc

The Schreier-Edisen Foundation Society of Petroleum Engineers - Delta Section Tulane University University of New Orleans

#### Maine

Maine School of Science and Mathematics Robotics Institute of Maine University of Maine, College of Engineering

#### Maryland

**BAE Systems** Booz Allen Hamilton, Inc. Northrop Grumman Corporation

#### Rockwell Collins, Inc. Massachusetts

**Raytheon Company** Worcester Polytechnic Institute

#### Michigan

FCA Foundation FCA US LLC FIRST in Michigan Ford Motor Company

## General Motors Company

#### Minnesota

**3M** Foundation **Boston Scientific Corporation H B** Fuller Foundation Magenic Merchant & Gould St. Jude Medical Foundation

#### Mississippi

Mississippi Power Education Foundation U.S. Army Engineer Research and Development Center

#### Missouri – Eastern MO – St. Louis

ABNA Engineering, Inc. Afton Chemical Corporation John S. & Natalie P. Alberici Avnet Harry Baker Cooper Bussman **Diversified Payment Solutions** The Doerr Family **Electrical Connection** Emerson Employees Community Fund of The Boeing Company, St. Louis Gateway to Innovation (G2I) Innoventor, Inc ITT Technical Institute James Mulligan Printing Dr & Mrs Frnest G Jaworski Laboratory Robotics Interest Group Lee Foundation Lindbergh School District Lindenwood University Carol B. Loeb Maritz Maryville University MasterCard Worldwide

McKendree University MICDS Midwest Laboratory Robotics Interest Group Missouri University of Science and Technology Parks College of Engineering, Aviation and Technology The Pennington Family **Ranken Technical College** Kathie Reuter Jerry & Peggy Ritter Rockwell Automation, Inc. The Saigh Foundation St. Charles Community College St. Louis Cardinals Care Foundation St. Louis Community College Saint Louis Science Center Saint Louis University The Seeser Family **Siemens Corporation** Southeast Missouri State University Spoehrer Family Foundation Technology Partners, Inc. U-Gas Convenience Stores University City School District U.S. Air Force U.S. Armv Washington University in St. Louis Engineering The Wolfe Family Missouri – Columbia Missouri 4-H Robotics Missouri 4-H Center for Youth Development MORENET MU College of Education MU College of Engineering Montana Advanced Electronic Designs American Computer Museum **Billings Public Schools** ExxonMobil Foundation Montana State University - College of Engineering Montana State University - Office of the Provost

# Montana Tech M.J. Murdock Charitable Trust Verizon Wireless

#### Nebraska

Oracle

Nebraska 4-H Foundation Time Warner Cable University of Nebraska-Lincoln Extension Nevada FIRST Nevada Garfield Family IBM Software Group Knights of Pythias Micromanipulator, Carson City National Security Technology, LLC Partners for Community Inc. **Republic Services** 

Rich, Wightman & Company Society of Women Engineers (SWE)

New Hampshire BAE Systems Nashua High School South

#### New Jersey County College of Morris Mount Olive Board of Education Rockefeller Group Development Corporation

Siemens Diagnostics Products New Mexico

## Bricks & Minifias

Evalumation General Mills Albuquerque Plant Lockheed Martin/Sandia National Laboratories New Mexico Museum of Natural History and Science Northrop Grumman Corporation Office Depot/Office Max

#### New York – Finger Lakes

University of Rochester Valeant Wegmans Xerox Corporation

OGB Millworks

#### New York - Long Island Bank of America - Andy Margolin

Brookhaven National Laboratory Central Islip Public Schools Connetquot School District LEGO® Education Longwood Central School District LuHi Summer Camp Programs Mineola Public Schools Karen Newman Park Shore Country Day Camp Plainview-Old Bethpage School District Sideboard Computers Sir Speedy - Plainview Jeffrey Stern, Attorney Vera Bradley - Walt Whitman Mall New York – Mid-Hudson Adva Optical Networks IBM Corporation

**IEEE Mid-Hudson Section** International FIRST LEGO League

New York – New York City

#### AB Bloomberg L.P. Consolidated Edison Company of New York Inc. Michael Dubno Goldman Sachs Group, Inc. Google.org Pershing Square Foundation Siegel Family Endowment Two Sigma Investments, LLC New York – Potsdam Adirondack Energy

BAE Systems Clarkson University National Grid Northern Machining PPC: A Belden Brand St. Lawrence-Lewis BOCES Time Warner Cable Company: Connect a Million Minds U.S. Air Force

#### New York – Utica

BAE Systems Black River Systems Company Inc. Hitechnic-Dataport Systems **Research Associates of Syracuse** SUNY Polytechnic Institute Trenton Technology, Inc.

#### North Carolina

Duke Enerav North Carolina Agricultural and Technical State University (A&T), College of Engineering **TE Connectivity** 

#### North Dakota

Advanced Engineering and Environmental Services, Inc. (AE2S) Bobcat Company EAPC Architects & Engineers Greater Grand Forks Convention and Visitors Bureau HB Sound & Light John Deere Minnkota Power Cooperative, Inc. Otter Tail Power Company S&S Promotional Group Inc University of North Dakota College of Engineering and Mines University of North Dakota Memorial Union Whalen's Moving & Storage

#### Xcel Energy

Ohio ASME - Dayton Section

Holiday Inn - Fairborn The Ohio Educational Outreach Foundation **Rockwell Automation**, Inc The Wright State University The Wright-Patterson Air Force Base

Educational Outreach

#### Oklahoma

AT&T. Inc. The Chickasaw Nation Mike Hoy, Mobile DJ Oklahoma State University, College of Engineering, Architecture and Technology

#### Oregon

Bonneville Power Administration Electro Scientific Instruments, Inc. FEI Company Garmin Google Data Centers Grants Fund of Tides Foundation

**IBM** Corporation Intel Corporation Oregon Nanoscience and Microtechnologies Institute Oregon University System PH Tech Portland Community Media Rockwell Collins, Inc. Techatronix Timbercon Vernier Software & Technology Vista Masonic Lodge #215

#### Pennsylvania – Northwest

Little Caesars **Eriez Magnetics** Penn State Behrend - Youth Education Outreach Office

#### Pennsylvania - Southeast

Archbishop Wood High School **Central High School** Downingtown Area Robotics The Franklin Institute Girl Scouts of Eastern Pennsylvania Hatboro-Horsham School District The Haverford School Owen J. Roberts School District The School District of Philadelphia Springside-Chestnut Hill Academy Patton Middle School University of Pennsylvania - GRASP

**CBM** - Business Machines **Community Foundation for Alleghenies** Galliker Dairy Company Greater Johnstown Career and Technology Center

Westmont Hilltop School District

Carnegie Mellon's Robotics Academy NXT Innovations Robomatter Inc.

#### Puerto Rico Holsum

Liberty Metro EDP University

Active Data Solutions AIR 4-H All Saints STEAM Academy Bryant University/ RI NSF EPSCoR Dr. Edward A. Ricci Middle School Humanity Centered Robotics Initiative at Brown University **IEEE Providence Section** Igus, Inc. Kickemuit Middle School

Narragansett Pier Middle School National Grid Navy Federal Credit Union NF FIRST New England Institute of Technology Roger Williams University SAIC Salve Regina University

**Textron Charitable Trust** South Carolina

LEGO Foundation

SAIC Society of Women Engineers (SWE) Space Naval Warfare Systems Center

#### Atlantic South Dakota

Augustana College **Block Productions** Creative Kindling Healthy Family/Healthy Youth, Pierre SD Sioux Falls Public Schools South Dakota Discovery Center South Dakota Robotics Association South Dakota School of Mines South Dakota Space Grant Consortium

#### Tennessee - Fast

**Oak Ridge Associated Universities** Tennessee Tech University Tennessee Valley Authority (TVA) UT-Battelle

#### Tennessee - West

Institute of Electrical and Electronic Engineers (IEEE) Smith & Nephew Tennessee Society of Professional Engineers (TSPE) Tennessee Valley Authority (TVA) University of Memphis

#### Texas – Alamo/San Antonio

Akimeka CPS Energy Frost Bank Lockheed Martin Corporation **Rackspace** Hosting Time Warner Cable Valero

#### Texas - Central/Austin

Dell, Inc. Freescale NI Panera Bread Co. Penske Silicon Labs Skillpoint STEM Council Spansion Tokyo Electron

#### Texas – North/Dallas

ExxonMobil Corporation Lockheed Martin Corporation Perot Museum of Nature and Science

Laboratory

## Pennsylvania - Southwest Central

Goodwill Industries of the Conemaugh Valley

Lift Johnstown

Pennsylvania – West BrainSTEM Learning

#### Rhode Island

David Livingston

#### Rockwell Collins, Inc.

Texas - South/Houston University of Houston

#### Texas – Southwest/El Paso El Paso STEM Foundation

Ft. Bliss - Brigade Modernization Command (BMC)

**IEEE EP Professional Section** 

IEEE RAS Student Chapter

National Aeronautics and Space Administration (NASA)

#### NI

Utah

Boart Longyear

IM Flash Technologies

Lund Foundation

Gary & Nancy Schmitt

STEM Action Center

University of Utah

Utah Education Network

Utah Educational Savings Plan

Verizon Wireless

Williams

### Virginia/DC

Booz Allen Hamilton, Inc. Industrial Medium Software

James Madison University

College of Education

College of Integrated Science and Technology College of Science and Mathematics School of Engineering

#### Leidos, Inc.

Rockwell Collins, Inc.

SAIC

The United States Patent and Trademark Office

Turning Points Software

#### West Virginia

Cherie Bharti

Fairmont State University, College of Science and Technology

NASA IV&V Robotics Alliance Project

ParMar Stores

#### Thrasher

West Virginia Higher Education Policy Commission, Division of Science and Research

West Virginia Space Grant

#### Wisconsin

Bemis Plexus

Rockwell Automation, Inc.

#### Wvomina

Casper Area Convention Bureau

City of Casper

Casper College

Central Wyoming Board of Cooperative Educational Services

#### ConocoPhillips Company

Greiner Motor Company

Natrona County Recreational Joint Powers Board

Natrona County School District Nobe, Inc. Screenprinting & Embroidery Pens Anita Pinkham

#### Yemen

King Hussein Foundation Jubilee Center for Excellence in Education

#### 2014-2015 SEASON FIRST TECH CHALLENGE **SPONSORS Official Program Sponsor**

Rockwell\_

#### CAD and Collaboration Sponsor



Top Team Sponsors (10 or more teams in 2014-2015) Sponsors in this section are listed in descending order starting with the Sponsor of the highest number of teams. Alcoa PTC Inc **Bockwell Collins** Inc. National Defense Education Program (NDEP) The Boeing Company John Deere Rockwell Automation, Inc. Leidos, Inc. Abbott Fund Motorola Solutions Foundation Bechtel Group Foundation **GE Energy** United Technologies Corporation (UTC) The Dow Chemical Company NRG Energy, Inc. Teradata Corporation Booz Allen Hamilton, Inc. Caterpillar Foundation **TE Connectivity** Best (Picatinny) Renesas SAIC Rookie Team Grantors Argosv Foundation

Center for Energy Workforce Development (CEWD) **DEKA** Foundation FedEx Corporation The LEGO Group **United Therapeutics Corporation** Tournament Sponsors Australia

#### Bechtel Group Foundation

Macquarie University NI

#### Canada Alberta

Husky Energy École Maurice-Lavallée Conseil scolaire Centre-Nord

#### Central and Eastern Europe

Central and Eastern European School Association NOEN, a.s. PTC, Inc.

China

Collins **Bechtel Group Foundation - China** Beijing Ministry of Education The Boeing Company, China Caterpillar Foundation, China **Chongging University** NI PTC, Inc. Qinghua University Qualcomm Incorporated Shenzhen Museum of Science and Technology South China Institute of Technology Southeastern University Tongii University France Fondation partenariale Grenoble INP Fontaine Grenoble INP Grenoble-Alpes Metropole NI PTC, Inc. Région Rhône Alpes Germany Heinz Nixdorf Museums Forum Paderborn Novelis PTC. Inc India **Bechtel Group Foundation** Caterpillar Foundation John Deere PTC, Inc. Techtronics Education (India), Ltd. United Technologies Corporation (UTC) **Republic of Korea** C & M Broadcasting, Inc.

FUNERS Novelis Qualcomm Incorporated U.S. Embassy Seoul Mexico Centro Nacional de Actualizacion Docente Fundación Azteca de Grupo Salinas Fundación Televisa

Instituto Tecnológico Autónoma de México (ITAM) Rockwell Automation, Inc. Secretaria de Economia Secretaria de Educacion Publica

#### Netherlands

EHV365 (City of Eindhoven) Fontys University KMWE PTC, Inc. New Zealand

#### ACG Strathallan

Kiwi FIRST Russia

Agency for Strategic Initiatives EN+ Group GAZ Group Russian Federal Agency of Youth Affairs Volnoe Delo South Africa Benchoff South Africa Burkett South Africa Tshwane University of Technology Vega South Africa Taiwan K Kinadom Inc

NI

#### United States

FIRST Tech Challenge Super-Regional National Sponsors Center for Energy Workforce Development (CFWD)

Rockwell Collins, Inc.

#### East Super-Regional Championship

**BW** Tek Center for Energy Workforce Development (CEWD) Kerith Foundation

Lockheed Martin Corporation

#### Rockwell Collins, Inc. North Super-Regional

Championship Presented by Rockwell Collins, Inc. Center for Energy Workforce Development

(CEWD) Greater Des Moines Partnership John Deer

Kinze Manufacturing Rockwell Collins, Inc.

University of Iowa College of Engineering

#### South Super-Regional Championship AKIMEKA

Booz Allen Hamilton Inc. Center for Energy Workforce Development (CFWD) CPS Energy Graebel Van Lines Hallmark University NI Prism Technologies Group

Rackspace

Rockwell Collins, Inc. SASTEMIC **Tesoro** Corporation Texas Workforce Commission Toyota Motor Manufacturing Texas University of Texas at San Antonio U.S. Air Force U.S. Navy Whataburger

#### West Super-Regional Championship Presented by

Google.org Center for Energy Workforce Development (CEWD) Google.org Northrop Grumman Corporation Playing At Learning Rockwell Collins, Inc.

#### Alaska

Alaska Airlines Alaska Communications Alaska Development Corporation Anchorage School District BP Corporation North America, Inc. Fairbanks North Star School District GCI Juneau Economic Development Council

Lower Kuskokwim School District North Slope Borough School District University of Alaska Anchorage, School of Engineering University of Alaska Fairbanks, College of Engineering and Mines

Cesar Chavez High School Estrella Foothills High School

FIRST Robotics Competition Team 2486 "CocoNuts"

Team 322 "SciTech" Team 2844 "Valley X" Team 3928 "AstroNuts" Team 5132 "AHERT Ravens" Team 5138 "AHERT Ravens" Team 5661 "EFHS Wolves" Team 6422 "Green Dragons"

Arkansas Arkansas FIRST Incorporated Entergy FIRST Robotics Competition Team 16 "Bomb Squad" McDonald's: Mountain Home Mountain Home Public Schools Twin Lakes Community Foundation

California, Los Angeles Rockwell Collins, Inc.

#### California, Northern Intel Corporation Playing At Learning

Colorado Adams County School District **Ball Corporation** Colorado Cotton Mine Colorado Mountain College Colorado STEM Education Douglas County School District Gooale.ora Krispy Kreme Donuts LAUNCH 4 Education Mimi's Cafe Office Depot Prospect Ridge Academy PTC, Inc. Sam's Club Solicon Technologies Starbucks United Launch Alliance (ULA) Weld RF-4 District Wolf Robotics Connecticut Anonymous Barnet Associates LLC Greens Farms Academy

Greenwich Academy HomeVision Group Loomis Chaffee Schoo Northeast Utilities Foundation Planet Pizza Pro Shop Solutions **Ridgefield Screen Printing** 

#### Delaware

Aailent Axalta Coating Systems Delaware State University DuPont CCRE DuPont Engineering First State Robotics Honda Foundation

#### Florida

**Rockwell Collins, Inc** Saint Leo University Tampa Bay Robotics Foundation, Inc.

#### Georgia Alcoa

Cisco Systems, Inc. Georgia FIRST Robotics Kennesaw State University Mount Paran Christian School Southern Polytechnic University

#### Hawai'i

Ala Moana Hotel Aston Hotels and Resorts BAE Systems Booz Allen Hamilton, Inc. City Mill

#### Clear Channel FedEx Corporation Hawai'i Academy of Science Hawai'i Self Storage Matson McDonald's Midweek MW Group, Ltd. Northrop Grumman Corporation Oceanic Time Warner Cable Star Advertiser Starn, O'Toole, Marcus & Fisher University of Hawai'i

Idaho Micron Foundation

University of Idaho, College of Agricultural & Life Sciences Extension 4-H University of Idaho Support Services Illinois Baxter International, Inc

FIRST Illinois Robotics Google.org

Motorola Solutions Foundation Navistar

#### Indiana

4-H Indiana Virtual Professionals FIRST Robotics Competition: Team 135 "Penn Robotics" Team 1741 "Red Alert Robotics"

#### lowa

The College of Engineering at the University of Iowa Des Moines Partnership Alliance Iowa Governors STEM Advisory Council John Deere Kinze Manufacturing Rockwell Collins, Inc.

#### Kentucky

Alcoa Foundation AMTEC Domino's Pizza Domtar Owensboro Community and Technical College Time Warner Cable

#### Maryland

American Society of Mechanical Engineers Capitol Technology University Community Foundation of Howard County General Dynamics Advanced Information Systems Johns Hopkins University Applied Physics Lab Leidos, Inc. Microsoft Corporation Rockwell Collins, Inc. UPS Store 847

#### Massachusetts

Andover High School

Arizona Alcoa Foundation Bioscience High School Coconino High School Findlay Toyota FIRST Tech Challenge:

Menual School

Arlington High Cobool	MICDS
Arlington High School	
Draper Laboratory	Missouri University of Science and Technology
Lexington High School	MRI Global
Milton Public Schools	Partners for Progress of Greater St.
MIT Lincoln Laboratory	Ranken Technical College
Needham High School	Kathie Reuter
PTC, Inc.	River City Robots
Ursuline Academy	Rockwood School District
Michigan	Rolla School District
Applied Manufacturing Technologies	St. Charles Community College
Comau	St. Charles West High School
Consumers Energy	·
Ford Motor Company	St. Louis Community College Found
General Electric Aviation	St. Louis Community College – Flori Valley
General Motors Company	St. Louis Community College – Fore
Gorman's	St. Louis Community College – Mera
PTC, Inc.	St. Louis Convention and Visitors
State of Michigan Dept. of Education	Commission
Minnesota	St. Margaret of Scotland
Boston Scientific Corporation	Southeast Missouri State University
St. Jude Medical Foundation Stratasys	UMKC - School of Computing and Engineering
University of Minnesota College of Science	University City School District
and Engineering	U.S. Engineering
Mississippi	VML
Copiah-Lincoln Community College	The Wolfe Family
Delta Health Alliance	Montana
Entergy - Mississippi	Advanced Electronic Designs
University of Mississippi Center for Mathematics and Science Education	American Computer Museum
	Billings Public Schools
University of Mississippi Provost Office	ExxonMobil Foundation
University of Mississippi School of Education	Montana Space Consortium
University of Mississippi School of Engineering	Montana State University - College Engineering
<i>Missouri</i> ABNA Engineering	Montana State University - Office o Provost
APWA – American Public Works Association	Montana Tech
Bishop DuBourg High School	
Black & Veatch	Oracle
Blue Scope	Verizon Wireless
Burns & McDonnell	Nebraska Nebraska 4-H Foundation
Camdenton School District	Time Warner Cable
Cerner	
Destination St. Louis	University of Nebraska - Lincoln Co Engineering
The Doerr Family DST Systems	University of Nebraska - Lincoln 4-H Extension
Emerson	Nevada
Employees Community Fund of The Boeing Company, St. Louis	<i>FIRST</i> Nevada General Electric Company (GE)
Garmin	H&J Hoppert
Gateway to Innovation (G2I)	Jensen Precast Metaltech
Girl Scouts of Eastern Missouri	Paul MacDowell
Honeywell International Inc.	
James Mulligan Printing	National Security Technology, LLC
	Northwest Career & Technical Aca
KCPL	Rich, Wightman & Company
Marion Kauffman Foundation Maryville University	University of Nevada, Las Vegas, Co Engineering
Mercer	West Career and Technical Acaden
Metropolitan Community College Business &	Kim Womack

Technology

Technology MRI Global Partners for Progress of Greater St. Charles Ranken Technical College Kathie Reuter **River City Robots Bockwood School District Rolla School District** St. Charles Community College St. Charles West High School St. Louis Community College Foundation St. Louis Community College - Florissant Valley St. Louis Community College - Forest Park St. Louis Community College – Meramec St. Louis Convention and Visitors Commission St. Margaret of Scotland Southeast Missouri State University UMKC - School of Computing and Engineering University City School District U.S. Engineering VMI The Wolfe Family Montana Advanced Electronic Designs American Computer Museum **Billings Public Schools** ExxonMobil Foundation Montana Space Consortium Montana State University - College of Engineering Montana State University - Office of the Provost Montana Tech Oracle Verizon Wireless Nebraska Nebraska 4-H Foundation Time Warner Cable University of Nebraska - Lincoln College of Engineering University of Nebraska - Lincoln 4-H Extension Nevada FIRST Nevada General Electric Company (GE) H&J Hoppert Jensen Precast Metaltech Paul MacDowel National Security Technology, LLC Northwest Career & Technical Academy Rich, Wightman & Company University of Nevada, Las Vegas, College of Engineering West Career and Technical Academy Kim Womack

New Jersey **BAE Systems PSEG** Foundation

#### New York – Hudson Valley The Albany Academies

General Electric Company (GE) Kennedy Catholic High School Pace University Athletics Department Seidenberg School of Computer Science and Information Systems at Pace University St. John Fisher College SUNY Polytechnic Institute Sylvan Learning **Xerox Foundation** Yonkers Riverside High School New York - New York City AB Bloomberg L.P. Con Edison Goldman Sachs Group, Inc Gooale.ora News Corp Siegel Family Endowment New York - Potsdam Adirondack Energy

**BAE Systems** Clarkson University National Grid New York Power Authority Northern Machining PPC: A Belden Brand St. Lawrence-Lewis BOCES Time Warner Cable Company: Connect a Million Minds U.S. Air Force North Carolina **TE Foundation** 

Shell Foundation

#### North Dakota

**AE2S Engineering** Bartlett and Engineering Bismarck Bombshellz Roller Derby Team Bismarck Public Schools Career Academy Bobcat/Doosan KLJ Engineering Missouri River Education Cooperative Succeed 2020 Grant ND Department of Transportation Engineers NISC North Dakota Career and Technology Education Department North Dakota State Engineering Department

Ohio Cincinnati Bell

**GF** Aviation Great Oaks Institute of Technology and

Career Development iSPACE, Inc.

Procter & Gamble Toyota Motor Engineering & Manufacturing North America

#### Woodward Trust Oklahoma

National Aeronautics and Space Administration (NASA) Southwestern Oklahoma State University

Southwestern Oklahoma State University Foundation Weatherford Oklahoma City Council (Hotel

Motel Commission)

Pennsylvania California University of Pennsylvania, California and Canonsburg Central High School CMU National Robotics Engineering Center Dallastown Intermediate School Emmaus High School FIRST Robotics Competition: Team 341 "Miss Daisy" Team 225 "TechFire" Freire Charter High School **Google Community Foundation** Millersville University Montgomery County Community College Mt. St. Joseph Academy **Oxford Area High School** Pennsylvania State University - York Peters Township Middle School Shady Side Academy **Temple University** University of Scranton Wissahickon High School Wissahickon Middle School Rhode Island New England Institute of Technology Providence Engineering Society Texas – Alamo Akimeka Alamo Colleges - Northwest Vista College **CPS Energy** Lockheed Martin Corporation

## **Rackspace Hosting**

#### Texas – Arlington

SIM-DFW (Society for Information Management – DFW) Rockwell Collins, Inc.

University of Texas at Arlington College of Engineering

Texas – Houston Hamshire Fannet ISD NASA Johnson Space Center Northland Christian School San Jacinto College

Texas Workforce Commission Texas – Lubbock

#### Abell-Hangar Foundation Anonymous Donor ASME - Petroleum Division Frenship High School

Texas Tech University Edward E. Whitacre Jr. College of Engineering

Texas Tech University Equity & Community Engagement Division of Institutional Diversitv

Texas Tech University Office of the Provost Utah

#### Carl D. Perkins Grants

Hill Air Force Base STEM STEM Action Center

Weber State University College of Engineering, Applied Science & Technology

Vermont University of Vermont

#### Virginia

Battlefield High School **Bechtel Group Foundation Best Buy Foundation** Boston Scientific Corporation Capital One Foundation CapTech CNBMD Consol Energy Dominior GEICO General Dynamics Advanced Information Systems Genworth Foundation James Monroe High School Lindner Foundation Lockheed Martin Undersea Systems Micron Foundation Norfolk State University Northrop Grumman Corporation Orange County High School PTC, Inc. Rockwell Collins, Inc. St. Christopher's School Southwest Virginia Community College STARS T-Cup Terra Tech Engineering Services Traditional Screenprinting Two-Way Radio U.S. STEM Foundation University of Virginia School of Engineering VCU School of Engineering Wisconsin

## Rockwell Automation, Inc.

University of Wisconsin - Milwaukee College of Engineering & Applied Science

#### Wyoming

Casper College Central Wyoming BOCES Greiner Natrona County School District NCSD #1 Nobe, Inc. Screenprinting & Embroidery Pepsi

A list of FIRST Tech Challenge Team Sponsors is available online at www.firstinspires.org/robotics/ftc/ team-sponsors



2015 FIRST ROBOTICS **COMPETITION SPONSORS Kickoff Sponsors** 





#### **Suppliers Crown Suppliers**

3D Systems 3M Company AndvMark, Inc Bimba Manufacturing Company BURNDY LLC The Coca-Cola Company Cross the Road Electronics, LLC DS SolidWorks ebm-papst Inc. FedEx Corporation Gates Corporation igus, Inc. Innovation First International Microsoft Corporation NI **NVIDIA** Corporation PTC. Inc. Rockwell Automation, Inc. **Diamond Suppliers** Analog Devices, Inc. Autodesk, Inc. **Bishop-Wisecarver Corporation** EnerSys Festo Corporation GitHub Grainger Texas Instruments Xilinx **Gold Suppliers** AutomationDirect.com BaneBots, LLC Denso/ASMO North Carolina **Digi-Key Corporation** Fluke Corporation

Inventables MaxBotix Inc. Parker Hannifin Corporation, Fluid System Connectors Division **Philips Color Kinetics** Ruland Manufacturing Co., Inc. Tableau Software TTI Inc. Vulcan Spring and Mfg Co. WAGO Corporation Worcester Polytechnic Institute Silver Suppliers 16 Hertz LLC Altium Inc. Anderson Power Products® CLIPPARD INSTRUMENT LAB INC CTL Eaton's Bussman Business Electonic Components Industry Association (ECIA) Freelin-Wade Co Haydon Kerk Motion Solutions Intelitek Kent Elastomer Products, Inc Kepware Technologies Next Gen Robots Novelis **REV Robotics** Sapa Extrusions North America Bronze Suppliers Assmann Batteries Plus Bulbs Bayer MaterialScience LLC BOSCH Bourns Coilcraft, Inc Comcast NBCUniversal CUI Inc. Cypress Delphi Automotive PLC **Diamond Technologies** Dove Electronic Components, Inc. Honeywell International Inc. HPE Automation Law Logistics Littelfuse, Inc. Maxim Integrated Mouser Electronics, Inc NASON NKK Switches

NXP Semiconductors

Orbis Corporation

Pelham Plastics

RoboRealm, LLC

Staples

Sparkfun Electronics

Vishay Intertechnology, Inc.

**IMI Precision Engineering** 

Havabanana Productions

44

#### WestCoast Products

#### **Top Team Sponsors**

(20 or more teams in 2015)

Sponsors in this section are listed in descending order starting with the Sponsor of the highest number of teams.

The Boeing Company National Aeronautics and Space Administration (NASA)

National Defense Education Program (NDEP)

BAE Systems United Technologies Corporation (UTC) PTC. Inc. Qualcomm Incorporated General Motors Company Brin Woicicki Foundation Rockwell Automation, Inc. Society of Women Engineers (SWE) Boston Scientific Corporation/Argosv Foundation Booz Allen Hamilton, Inc. Leidos, Inc. Comcast NBCI Iniversal **Caterpillar Foundation Bechtel Group Foundation Bezos Family Foundation TE Connectivity** Abbott Fund **GE** Healthcare **Picatinny Arsenal** Motorola Solutions Foundation BOSCH Google.org **GE Energy** Friends of Hawaii Robotics John Deere Medtronic Teradata Corporation NRG Energy, Inc. Rockwell Collins, Inc Walt Disney Company Amgen Foundation, Inc. DC Public Schools The Dow Chemical Company Heinz Endowment Renesas St. Jude Medical Foundation News Corp Novelis

Motorola Mobility Foundation SAIC

#### **Rookie Team Grantors**

Anonymous **Argosy Foundation Bechtel Group Foundation** Ursula Burns 🔳 & Lloyd Bean **DEKA** Foundation

FedEx Corporation Walter Havenstein **Microsoft Corporation** Robert 🔳 & Lynn Tuttle United Technologies Corporation (UTC) Josh 🔺 & Judy Weston

#### Event Sponsors Alamo Regional Sponsored By Rackspace Hosting

AKIMEKA Booz Allen Hamilton, Inc. CPS Energy FIRST in Texas Graebel Van Lines Greater Texas Foundation Hallmark University NI Prism Technologies Group Rackspace Hosting SASTEMIC Tesoro Corporation Toyota Motor Manufacturing Texas University of Texas San Antonio U.S. Air Force U.S. Navy Whataburger Arizona East Regional

#### Avnet

Craig and Barbara Barrett Foundation CUSD (Chandler Unified School District) Microchip Employees United Way Microchip Technology, Inc. ON Semiconducto Sanghi Family Foundation Science Foundation Arizona U.S. Army Wells Fargo & Company Wishes in Stitches Embroidery

#### Arizona West Regional

Grand Canvon University Microchip Employees United Way Microchip Technology, Inc. Sanghi Family Foundation Science Foundation Arizona U.S. Army

#### Arkansas Regional

Arkansas FIRST Incorporated Arkansas Space Grant Consortium Arkansas State Fairgrounds Baxter International, Inc **B**vlites The Coca-Cola Company Geisler Family Trust Harding Center for Distance Education in Bible and Ministry Little Rock Convention and Visitors Bureau Novak Technical Services

#### RCAL Products, Inc. U.S. Army The Venture Center

#### Australia Regional

AarNet AndyMark, Inc. Autodesk, Inc. BAE Systems **CSC** Charitable Foundation Ford Motor Company Google LEGO<sup>®</sup> Education Macquarie ICT Innovations Centre Macquarie University Manton Sea-Air News Corp Ontus Rockwell Automation, Inc.

#### Bavou Regional

Dr. & Mrs. Nick Altiero Family and Friends of James B. Bassich CenturyLink The Dow Chemical Company Entergy Anne & Wendell Gauthier Family Foundation The Bruce J. Heim Foundation Jefferson Parish Convention and Visitors Bureau Kirkendoll Management, LLC Leidos, Inc. Lockheed Martin Corporation Louisiana State Bar Association NASA Stennis Space Center National Defense Education Program (NDEP) U.S. Navv **Buckeye Regional** 

#### **Cleveland Clinic Foundation Cleveland Community College Foundation** Cleveland Indians **Cleveland Plain Dealer Cleveland State University** Cleveland State University Washkewicz College of Engineering Delphi Foundation Embedded Planet Gilcrest Great Lakes Science Center Jacobs Engineering MAGNET The Manufacturing Advocacy & Growth Network NASA Glenn Research Center Nordson Corp 0AI Ohio Space Grant Consortium Paragon TEC Parker Hannifin Corporation Rockwell Automation, Inc

SGT Sierra Lobo ZIN Technologies Central Illinois Regional

RPM

## The Boeing Company

Bradley University Caterpillar, Inc Citizens Equity First Credit Union (CEFCU) cse software inc Deuce Development Corporation Motorola Solutions Foundation PTC, Inc.

#### **Central Valley Regional**

Google.org John Bean Technologies Corporation Kings View Behavioral Health Systems Madera Unified School District PG&E Corporation David Rich Schneider Electric **Chesapeake Regional Bechtel Group Foundation** Booz Allen Hamilton, Inc. Capitol Technology University Emerson Charitable Trust enktesis, LLC Leidos, Inc. Lockheed Martin Corporation Maryland Space Business Roundtable NASA Goddard Space Flight Center Northrop Grumman Corporation STEMaction The Sylvan Laureate Foundation T. Rowe Price Foundation University of Maryland College Park

#### U.S. Army ROTC **Colorado Regional**

Arrow Flectronics The Ball Foundation Comcast NBCUniversal Denver Museum of Nature & Science Gates Corporation GivingFirst.org InterCall Lockheed Martin Corporation LunarG Nan Desu Kan Wade & Katherine Sutton Technetronic Solutions, Inc. TerumboBCT Trace3 United Launch Alliance (ULA) University of Denver, School of Engineering & Computer Science U.S. Engineering

#### **Dallas Regional**

Abbott Fund Anonymous Anonymous in honor of Jackson Kerber Atmos Energy Greg Auclair Kelly Banks James Beabout William Beach Jr. Steven Berry Jr Todd Bethel Theodore Bills Brenda Bledsoe Rov Bobo Jr. Steven Bose **Boston Scientific Corporation** Brent Braden Steve Brodie Robert Bulmer Angela Ceglio Cisco Systems, Inc. Angella Coil Rebecca Davenport Jason Davidson Michael Dodd Peter Dunn Jamie Gage **Thomas Garrett** Camille Chang Gilmore in memory of Dorothy Fischer Goldman Sachs Group, Inc. **Greater Texas Foundation** Grace Griffin Brett Haaga Geri Hansen Dustin Harrington Richard Hayes Trever Houston Hefner Scott Heuler Jaimee Mae Hickey Irving Convention & Visitors Bureau Judy Johnson Shaun Kane Michael Kohle Michael Lang Janet Larsen Mike Lautzenheiser Andrew Jackson Lowery Annick Matherne Donald May Jr. in honor of Carson Buol Robert McCarthy Amy McCoskey Ryan McKeefrey Melissa Messenger in memory of Charles Paul Messenger Microsoft Corporation Matching Gifts Program • Scott Miller

Mouser Electronics, Inc. William Nicholson III Edward O'Dwyer III Traci Ann Vinopal Phillips Robert Philpott Jr. **Kevin Pieters** Michele Polk Eric Prager Jennifer Prentice Thaddeus Reardon **Robert James Richardson** Hiram Joel Rios Patricia Meeks Boherts Mark Rosin Steven Ross Jillian Leigh Rothwell Jonathan Rucker in honor of Reid Rucker Edward Patrick Rush Mark Sanfilippo Lisa Schaab Paul Schilling Servergy **Christopher Smith** Julie Soldo Todd Stablein Kristiane Teeple Total Facility Solutions, Inc. **Philip Venables** Angela Volk James Watkins Christie Ann Woodman Joshua Wright Ryan Zimmer Festival de Robotique FIRST **Robotics Competition à Montreal** Regional Bank de Montréal (BMO Groupe financier) Future Electronics Banque Nationale (BNC) Famille Beaudoin Bombardier Produits Récréatifs (BRP) Groupe Canam et Manac Cirque du Soleil Commission scolaire Beauce-Etchemin Commission scolaire de la Pointe de l'Île (CSPI) CΔF Commission scolaire de la région de Sherbrooke (CSRS) UBS Commission scolaire de Montréal (CSDM) Commission scolaire de Montréal (CSDM) Plan Sud Ouest Commission scolaire Lester B. Pearson (LBPSB) Hautes Études Commerciales (HEC) Montreal Université Laval Commission scolaire Marguerite-Bourgeovs (CSMB) Brault & Bouthillier École de Technologie Supérieure (ÉTS) Emplois Compétences Polytechnique Montréal CRSNG André Chagnon Bombardier Inc.

Concordia University

Fondation JA Bombardier Fondation Lucie et

Fondation Jeunesse Vie (CGI) Armtex Fondation Québec Jeunes - CJECN - Réunir Réussir (R2) Université de Sherbrooke General Electric Company (GE) Google.org Héroux Devtek Hewitt Hvdro-Québec McGill University Ville de Montréal Ordre des ingénieurs (OIQ) Famille Ménard Power Corporation Pratt & Whitney Canada (PWC) Réseau Réussite Montréal Saputo Université de Montréal UQAM UOAR Vigilant Global WSP Canada

#### **Finger Lakes Regional**

Bausch & Lomb Incorporated Corning Incorporated County of Monroe Industrial Development Agency **Custom Courier Solutions** Mark Enzien ESL Charitable Foundation **Gleason Works** Hamilton AV Harris Corporation, RF Communications Division Ronald lannucci Kodak/RAPA Novelis **Ortho-Clinical Diagnostics Glen Pearson** William Pollock PTC, Inc. Rochester Institute of Technology U.S. Army ROTC Wacky Buttons Xerox Corporation Ronald Zarrella Georgia Southern Classic Regional AutomationDirect.com The Arthur M. Blank Family Foundation Cisco Systems, Inc. Discover Perry Georgia Institute of Technology Georgia Power Co. (A Southern Co.) Karen Albrecht Enterprises Kennesaw State University Kimberly-Clark Corporation Lockheed Martin Corporation Selby & Richard McRae Foundation Mercer University - Engineering University of Georgia - Engineering

#### U.S. Army ROTC YKK

#### **Greater DC Regional**

2 Million Minutes Accenture **Bechtel Group Foundation Booz Allen Hamilton Inc** DataNet Systems **District of Columbia Public Schools** General Dynamics Harris Corporation Holly Hill Self Storage Hughes Network Systems **INSPR Media LLC - Public Relations** Leidos, Inc. LMCO Undersea Systems Lockheed Martin Corporation Micron National Aeronautics and Space Administration (NASA) Northrop Grumman Corporation **Orbital Sciences Corporation** Rolls-Royce North America SRA International Corporation U.S. Army ROTC Volgenau School of Engineering at George Mason University

#### **Greater Kansas City Regional**

APWA Kansas City Metro Chapter Black & Veatch **BlueScope Foundation** Burns & McDonnell Cerner DST Systems Garmin **General Motors Company Google Fiber** Honeywell International Inc. Ewing Marion Kauffman Foundation KC STEM Alliance KCP & Lok Metropolitan Community College MRI Global Show-Me Controls & Automation UMKC. US Engineering VML **Greater Pittsburgh Regional** 

California University of Pennsylvania Google.org The Heinz Endowments MadeRightHere Hawai'i Regional sponsored by **BAE Systems** 

Ala Moana Hotel Alaska Airlines Aston **BAE Systems** 

Booz Allen Hamilton Inc. City Mill FedEx Corporation Hawaii Flower Lei Hawai'i Self Storage iHeart Media Karai Crab Matson McDonald's MW Group, Ltd. Northrup Grumman Corporation Oceanic Time Warner Cable SAIC Star Advertise University of Hawai'i Willows Restaurant

#### Hub City Regional

Greater Texas Foundation Texas Workforce Commission Visit Lubbock **Xcel Energy** 

#### Indiana FIRST Sponsors

AndyMark, Inc. Barnes & Thornburg, LLP Fastenal Indiana Department of Education Rare Bird Inc Rolls-Royce TechPoint Foundation for Youth

#### Indiana FIRST Robotics Competition **District State Championship**

**3M Company** Barnes & Thornburg, LLP Dow AgroSciences LLC The Dow Chemical Company Indiana Space Grant Consortium (INSGC) **Raytheon Company** Rolls-Royce SEP Walker Career Center

Warren Central High School

Rolls-Royce

#### Indianapolis *FIRST* Robotics District Competition

Barnes & Thornburg, LLP Metropolitan School District of Lawrence Township

#### Kokomo FIRST Robotics District Competition

Ameriprise Financial AndyMark, Inc B&D Mfa. **BMO** Harris Bucheri, McCarty & Metz LLP CEM The Coca-Cola Company Community First Bank of Indiana Community Foundation of Howard County Delphi Foundation First Farmers Bank & Trust Howard County Indiana University – Kokomo Ivy Tech Community College Kokomo School Corporation Marco's Pizza Purdue College of Technology Region 4 Workforce Board Rolls-Rovce Rotary Club of Kokomo St Vincent

#### Purdue FIRST Robotics District Competition

Arni's Stephen Baranyk Cook Medical Delphi Foundation Indiana Space Grant Consortium (INSGC) Novelis One Source Purdue School of Engineering Education Purdue School of Mechanical Engineering Purdue University Raytheon Company Rolls-Rovce SEP

#### **Inland Empire Regional**

SMaRT Education

#### **Israel Regional**

Ariel Investment Company Bank Leumi **Bialkin Family Foundation** Stanley & Ann Borowiec **Bovin Family Foundation** Christopher & Barbara Brody Checkpoint The Leon and Toby Cooperman Family Foundation **Rich Daly** Ron Deblinger James Dimon Irwin & Janet Dorros The Drexler Family Foundation Thomas & Susan Dunn Mitzi and Warren Eisenberg Family Foundation Ferland Family Foundation Inc. Bernard Flynn Phil Friedman Stephen & Fredrica Friedman Victor & Patricia Ganzi John Gerbeth Alfred Goldstein Jerry & Paula Gottesman **Richard & Carol Harries** Isuzu – UTI Israel

Jewish Federation of Greater Metrowest NJ

L. Robert & Kathleen Kaswell Earle Kazis Bernard and Carol Kossar Foundation Inc. Jerrold Krivitzky The Marcus Foundation, Inc Thomas & Paula McInerney John Norgride Marne Obernauer Offit Capital Advisors LLC Ms. Sarah O'Hagan Parasol Foundation Mary Pedersen & Leslie Quick Arnold S. Penner Foundation Inc. Leonard Polisar PTC, Inc. Qualcomm Incorporated Peter & Crisler Quick Steven & Gail Reinemund Stenhen & Pilar Bohert Gerard Roche Edward Rust The Ryan Family Foundation John Schreiber Neal Shapiro & Hyunju Chang Paul Silberberg Paul Silverman Stephen & Tina Squeri Joseph and Arlene Taub Foundation The Technion - Israel Institute of Technology The Tel- Aviv Yaffo Academic College The City of Tel-Aviv Yaffo William & Judith Turner Frank Walter III & Marguerite Walter The Weiss Foundation Josh & Judy Weston Mortimer Zuckerman

#### Lake Superior Regional

Archer Racing Accessories Arrowhead Concrete Works, Inc. Barr Engineering Canal Park Business Association (CPBA) Chris & Jason Dillon **Cirrus Aircraft Duluth Entertainment and Conference Center** Edgewater Resort & Waterpark Essentia Health Freestyle Genesis Grandma's Adventure Zone Grandma's Restaurants Hartel's/DBJ Disposal Isthmus Engineering & Manufacturing Co-op The Jamar Company Joy Global Inc. Kraus-Anderson Construction Co. Lamar **I HB Foundation Fund** Miner's/Super One

Minnesota Power Foundation MPECU - Minnesota Power Employees Credit Union Northern Door & Hardware, Inc. Northland Foundation Pentair Foundation Republic Bank St Luke's Saturn Systems Inc. Stay in Duluth Target Visit Duluth Las Vegas Regional 8 News Now

Albertsons CGI Inc. Cirque du Soleil FIRST Nevada S Freid City of Las Vegas Las Vegas Convention and Visitors Authority Lockheed Martin Corporation National Security Technology, LLC Nevada PE Foundation Rich, Wightman & Company S&S Philpott Solotech Tronox

#### Lone Star Regional

American Society of Mechanical Engineers (ASME) **Bechtel Group Foundation** BP Corporation North America, Inc. CenterPoint Energy ExxonMobil Corporation General Electric Company (GE) Greater Texas Foundation Jacobs Technology, Inc. LINN Energy, LLC Lockheed Martin Corporation NASA Johnson Space Center The Williams Companies, Inc.

#### Los Angeles Regional sponsored by The Roddenberry Foundation

Amgen, Inc. Bancroft-Clair Foundation **Boston Scientific Corporation** Comcast NBCUniversal Jet Propulsion Laboratory The Kenneth T. and Eileen L. Norris Foundatio The Gerald Oppenheimer Family Foundation The Ralph M. Parsons Foundation Stephen & Jill Petty **Raytheon Company** The Roddenberry Foundation SpaceX USC Viterbi School of Engineering Walt Disney Company

#### Mexico Regional

DeAcero Fundación Azteca de Grupo Salinas General Motors Company, México Mahe MET MEX Peñoles Promedici, S.A. de C.V. Secretaria de Economia Secretaria de Educación Pública Michigan *FIRST* Sponsors AndyMark, Inc.

BOSCH **Castaing Family Foundation** Comau Consumers Energy Deloitte Delphi Foundation **Detroit Hispanic Development Corporation** The Dow Chemical Company DTE Energy Foundation Dura Automotive Systems FCA Foundation Ford Motor Company General Cable General Motors Company General Motors Foundation Gorman's Ideal Group Kendall Electric Kettering University LEX State of Michigan PTC, Inc. The Robot Garage TARDEC Tovota University of Michigan Whirlpool Corporation Michigan FIRST Robotics **Competition District State** Championship American Society for Engineering Education (ASEE) Automation Federation/ISA BOSCH Boys & Girls Clubs of America Castaing Family Foundation Comau Consumers Energy Delphi Foundation Ford General Motors Company

Girl Scouts of the USA MIT Alumni Association National 4-H Council National Center for Women & Information Technology (NCWIT) National Parent Teacher Association (PTA) Society of Cable Telecommunications Engineers (SCTE) Society of Hispanic Professional Engineers (SHPE) Society of Women Engineers (SWE)

National Robotics Week

Toyota UL Whirlpool

Yale Science & Engineering Alumni

#### Bedford FIRST Robotics District Competition

**Bedford Public Schools** 

#### Eastman & Smith Ltd. Centerline FIRST Robotics

**District Competition** A Dream Limousine and Sedan AndyMark, Inc. Renaissance Unity Tovota

Escanaba FIRST Robotics District Competition

Bays de Noc Visitors Convention and Visitors' Bureau Bink's Distributing The Coca-Cola Company **Delat Chamber of Commerce** EMP Powering the Future Michigan Works NK Electric Pacinos Food and Spirits

#### Gull Lake FIRST Robotics District Competition

Gull Lake Community Schools Foundation Gull Lake View Golf Club & Resorts Parker Hannifin Corporation

#### Great Lakes Bay Region FIRST **Robotics District Competition**

The Dow Chemical Company Michigan's Best Entertainment Midland Public Schools Mid-Michigan Limousine Pensi Valley Electrical Contractors Howell FIRST Robotics District Competition Allegra Networks Autodesk, Inc. Home Depot

#### Kettering University FIRST **Robotics District Competition**

Ford Motor Company

Fiat Chrysler Automobiles General Motors Foundation

Kettering University Stat EMS **Charles Stewart Mott Foundation** 

Lansing *FIRST* Robotics **District Competition** 

Ingham Intermediate School District Jackson National Community Fund

District Competition Livonia Public Schools **Roush Industries** Schoolcraft College

#### St. Joseph FIRST Robotics District Competition

LECO Delivering the Right Results St. Joseph Lions Club TPC Technologies, Inc. Whirlpool

## Standish FIRST Robotics

**District Competition** The Dow Chemical Company Dura Automotive Systems Helena Chemical Co. Independent Bank Magliner

#### Traverse City FIRST Robotics **District Competition**

American Waste Blarney Castle Oil Company Chevron Corporation Cone Drive Gearing Solutions Culver's Grand Traverse Band of Ottawa & Chippewa Indians Jimmy John's MCM Electric Company North Flight EMS Opti Temp Inc. TBA ISD Career Tech Center TC Controls, LLC Trantek Automation Corporation Traverse City Area Public Schools

#### West Michigan FIRST Robotics **District Competition**

Atomic Object, LLC Bluewater Technologies Consumers Energy Disher Design & Development DTE Energy Flexco/Clipper Belt Lacer **GE** Aviation Systems Gentex Corporation Grand Valley State University Haworth Inc. J.C. Huizenga Kendall Electric Lacks Enterprises Inc. David & Robin Leclerc

#### Wendy Ljungren Miejer NN, Inc. Pepsi **Pioneer Construction** Roman Manufacturing Sebastian Foundation TPI - Total Plastics Inc. Wolverine Coil Springs Co.

Waterford *FIRST* Robotics **District Competition** 

**Empirical Solutions Corporation** Waterford School District

Woodhaven FIRST Robotics **District Competition** 

#### Dadara

Ford Motor Company Mid-Atlantic Robotics FIRST **Robotics Competition Region** Championship

ADP at the request of Josh Weston Bloomberg L.P. Bristol Myers Squibb Comcast NBCUniversal The Dow Chemical Foundation DuPont Johnson & Johnson Mercury Systems NJ Manufacturers Novartis Foundation Picatinny Arsenal

Jim • & Nancy Utaski Friends of Jim • & Nancy Utaski

#### **Midwest Regional**

Baxter International, Inc Gooale.ora Illinois Institute of Technology Motorola Solutions Foundation Navistar University of Illinois

#### Minnesota 10,000 Lakes Regional

3M Company Michele Azar Best Buy Co., Inc. **Boston Scientific Corporation** Boston Scientific Employee Giving Chinese Urban Youth Robotics Alliance Li Chunlin Freestyle Isthmus Engineering & Manufacturing Co-op The Medtronic Foundation Medtronic, Inc. Medtronic Your Cause 💠 MN State High School League Pentair Foundation **Robotics Alley** Target University of Minnesota Twin Cities

TRW

Dart Livonia *FIRST* Robotics

#### Minnesota North Star Regional

**3M Company** Michele Azar Best Buy Co., Inc. **Boston Scientific Corporation** Boston Scientific Employee Giving Chinese Urban Youth Robotics Alliance Li Chunlin Freestyle Isthmus Engineering & Manufacturing Co-op The Medtronic Foundation Medtronic, Inc. Medtronic Your Cause 4 MN State High School League Pentair Foundation Robotics Allev Target University of Minnesota Twin Cities **New England District** Championship

Analog Devices **BAE Systems Boston Scientific Corporation Davis Family Foundation** ebm-papst Inc. Eversource **Fidelity Investments General Dynamics EB** Google.org MIT Draper National Grid **PCLB** Foundation Pitnev Bowes PTC, Inc. Textron Travelers United Technologies Corporation (UTC) U.S. Air Force Velcro Industries

#### New York City Regional

ΔR

Bloomberg L.P. Larry & Tami Cohen Comcast NBCUniversal Consolidated Edison Company of New York, Inc. Credit Suisse (USA), Inc. **CSC** Charitable Foundation Michael Dubno Donald J Duet Glenn Gribble Goldman Sachs Group, Inc Google.org **ICE** Foundation News Corp Pershing Square Foundation **Clyde Rodriguez** Siegel Family Endowment

Two Sigma Investments, LLC Philip Venables Paul Walker Allen Weinberg New York Tech Valley Regional ASML

Applied Materials Inc. GF GLOBALFOUNDRIES Golub Foundation Kitware Inc. KLA Tencor Lam Research Foundation Fund at the East Bay Community Foundation M+W US, Inc. Mattson Technology, Inc. National Aeronautics and Space Administration (NASA) National Grid PDF Solutions, Inc. Rensselaer Polytechnic Institute SCREEN Semiconductor Solutions Time Warner Cable

**Turner Construction Company** 

#### North Bay Regional

Wonik IPS USA

A&S Towing Atlas Copco **Canadore** College FedNor Hampton Inn HOST North Bay & District Hospitality Organizations Strengthening Tourism Joy Global Inc. Metso Minerals Canada Inc. Motion Canada Near North District School Board Nipissing University City of North Bay Redpath Mining Contractors and Engineers SMS Rents twg\* Communications

#### North Carolina Regional

Cisco Systems, Inc. Credit Suisse (USA), Inc. Fuentek Gateway University Research Park Google.org John & Jane Hardin **IBM** Corporation Livingston and Haven MacCord Mason MetLife Foundation **PPG** Foundation Qualcomm Incorporated Sigma Xi **TE Connectivity** Teaching Textbooks Inc. Time Warner Cable

#### United Technologies Corporation (UTC) Volvo

#### Northern Lights Regional

Archer Racing Accessories Arrowhead Concrete Works, Inc. Barr Engineering Canal Park Business Association (CPBA) Chris & Jason Dillon Cirrus Aircraft **Duluth Entertainment and Conference Center** Edgewater Resort & Waterpark Essentia Health Freestyle Genesis Grandma's Adventure Zone Grandma's Restaurants Hartel's/DBJ Disposal Isthmus Engineering & Manufacturing Co-op The Jamar Company Joy Global Inc. Kraus-Anderson Construction Co. Lamar LHB Foundation Fund Miner's/Super One Minnesota Power Foundation MPECU - Minnesota Power Employees Credit Union Northern Door & Hardware, Inc. Northland Foundation Pentair Foundation Republic Bank St Luke's Saturn Systems Inc. Stay in Duluth Target Visit Duluth **Oklahoma Regional** 

AAON, Inc. ABB Inc. American Energy Partners William & Diana Beaulieu Candor PR Chesapeake Energy Corporation The Chickasaw Nation Mickey L. Clagg Kenneth & Lisa Davis Dell-OKC Devon Energy Corporation Dunlap Codding P.C. Express Employment Professionals Google.org Greater Oklahoma City Chamber of Commerce Bob Howard IDEAS Mfg. Inc. Inasmuch Foundation Intellectual Property Section-Hall Estill IS Technologies DBA Computer System Desian

Kerr Foundation, Inc. Kirkpatrick Foundation, Inc. MSC Industrial Supply Company OGE Energy Corporation Foundation, Inc. **OK Business Roundtable** OK Department of CareerTech Oklahoma Aeronautics Commission Oklahoma Center for the Advancement of Science & Technology Oklahoma Christian University Oklahoma City Convention and Visitors Bureau Oklahoma State University Presbyterian Health Foundation University of Oklahoma University of Tulsa College of Engineering and Natural Sciences U.S. Air Force Ward Family Gift Foundation The Williams Foundation John Steele Zink Foundation **Orlando Regional** 

a.i. Solutions Abacus Business Solutions Association for Advancing Automation Boca Bearing Company The Boeing Company Brighthouse Networks Comcast NBCUniversal Craig Technologies Electronic Arts, Inc. Embraer Aircraft Eureka Factory Florida High Tech Corridor - UCF Florida High Tech Corridor - USF Harris HDR, Inc. Jacobs Technology, Inc. Leidos, Inc. Lockheed Martin Corporation NASA Kennedy Space Center The National Center Simulation Northrop Grumman Corporation **RINI** Technologies Siemens Corporation Sparton Electronics Stinger Ghaffarian Technologies University of Central Florida URS U.S. Army ROTC The Walt Disney Company Women in Cable Telecommunications Peachtree Regional ASME - Atlanta Chapter AutomationDirect.com The Arthur M. Blank Family Foundation Cisco Systems, Inc.

Georgia Institute of Technology

Georgia Power Co. (A Southern Co.) Karen Albrecht Enterprises Kennesaw State University Kimberly-Clark Corporation Selby & Richard McRae Foundation Mercer University - Engineering Novelis University of Georgia - Engineering U.S. Air Force U.S. Army U.S. Army ROTC Women in Technology Queen City Regional Abbott Fund

Alexander & Associates Eaton Computer Services Josh Haldeman & Caroline Alikonis P&G Engineering Modeling and Simulation P&G Global Engineering School Outfitters Tovota University of Cincinnati U.S. Air Force Xavier University Sacramento Regional Abbott Fund Brin Wojcicki Foundation Chevron Google.org Randall Lam University of California, Davis San Diego Regional 3D connexion

Leidos Inc Outerwall **Richard Pogue** PTC, Inc. Qualcomm Incorporated Teradata Corporation 🚸 ViaSat, Inc.

## SBPLI Long Island Regional

accessLinx, Inc. **BAE Systems** Brookhaven NSA Cablevision **Estee Lauder Companies** Farmingdale State University Festo Corporation Hofstra University IEEE - Institute of Electrical and Electronics Engineers Ingerman Smith, LLP Nassau Educators Federal Credit Union North Shore LIJ Health Systems Northrop Grumman Corporation Patrons of the SBPLI 2014 Annual Golf Outing Pepsi

PSEG Long Island SBPLI School of Business SCC Construction Management Schenck The Science Academy at Parkshore **SCOPE Education Services** Solomon Group Stony Brook University Town of Brookhaven LDC Town of Islip IDA WorkLife Resources

## Silicon Valley Regional

Analog Devices, Inc. (ADI) Argosy Foundation **Boston Scientific Corporation** Brin Wojcicki Foundation Google.org Randy Lam **NVIDIA** Corporation Qualcomm Incorporated **Smoky Mountains Regional** 

#### Alcoa, Inc.

**Bechtel Group Foundation** Denso Manufacturing Tennessee, Inc. Eagle CDI Eastman Chemical Company Kendall Electric Knoxville Chamber **Knoxville News Sentinel** Leidos, Inc. Pellissippi State Technical Community College PTC Inc Radio Systems Corporation Petsafe Tennessee Valley Authority (TVA) University of Tennessee College of Engineering U.S. Army ROTC UT-Battelle/Oak Ridge National Laboratory Y-12

#### South Florida Regional

Jose Bantillo Thomas Broad Andrew Christe Comcast NBCUniversal **DEKA** Foundation Florida Power & Light Company James Keener Brian Mangan Michael Miller Scott Phillips Matthew Schouwink U.S. Armv ROTC Maureen Wilt **Utah Regional** 

#### ATK

IM Flash Technologies

L3

Micron Foundation Miller Family Philanthropy Platt Electric Supply STEM Action Center Victoria Thomas Utah Governor's Office of Economic Development Utah Tech Workforce Foundation Utah Technology Council

#### Ventura Regional

Amgen, Inc. Gene Haas Foundation E.J. Harrison & Sons Limoneira Ventura College

#### Western Canadian FIRST Robotics **Competition Regional**

ADLC (Alberta Distance Learning Centre) Alberta Culture and Tourism Alberta Innovation and Advanced Education APEGA Calgary Board of Education The Dow Chemical Company, Canada Ernest Manning High School ISA NSERC CRSNG Pratt & Whitney Canada (PWC) Schulich School of Engineering University of Calgary Windsor Essex Great Lakes Regional Aventec/Dassault Systemes Balluff CenterLine City of Windsor CS WIND Canada **FPI** Centre Flex-N-Gate **Greater Essex Electrical** KPMG KUKA OCE ONF Reko St. Clair College Siemens Corporation South Western Ontario Industry Education Council University of Windsor Valiant Vista Solutions Inc. WEtech Alliance Wisconsin Regional Abbott Fund Caterpillar Global Mining, LLC **Cooper Power Systems** Eaton Corporation GE Healthcare Google.org

Isthmus Engineering & Manufacturing Co-op

#### Joy Global Inc. Ladish Co. Foundation LEM USA Inc. Manpower Group Marquette University Michael Best & Friedrich LLP Mosher Family Foundation MSOF Oshkosh Corporation The Plexus Corporation Charitable Found Rockwell Automation, Inc. Thunderbolt Hobby & Art

A list of FIRST Robotics Compe Team Sponsors is available onlin www.firstinspires.org/robotics/fr sponsors

#### 2014-2015 FIRST Progression **Programs Region Sponsors** Washington *FIRST* Robotics

AAA Kartak Glass & Closet Robert Adams Govind Agarwal Alaska Airlines Joel A. Alferness Roxanne Alves American Truck Historical Society, NW C Stephen & Gayle Amorosi Kevin Anderson Anonymous Chris & Nicole Arian Arrow Flectronics Robert Atkinsor John Aultman Autodesk, Inc Avista Foundation Conrad Ball Lola Ball Kathleen Barnes Steve & Leann Barrett Dan & Kathleen Beaudoin **Bechtel Group Foundation** Andrew Belan Jon Belt Sue Bennett Bernt Lehnn Farms, Inc **Bezos Family Foundation** Subbu Bhat Marjorie Blanck Jason Blaszkowski Brian & Sharon Bloomguist Paul W. & Kimberly A. Bodnar The Boeing Company

	The Boeing Company Employee Funds
	James Boike
	Shannon Boldizsar
	Mark & Dawn Bolin
	Bonneville Power Administration
	John Bottenberg
	Michael & Linda Breaux
	Scott & Margaret Bright
ation, Inc.	Frank Brisse
	British-American Business Council
	Eric & Jennifer Brooks
	Paul Brown
tition	Stacy Brown
ne at	Ian & Cynthia Buford
c/team-	Steve Burke
	Heidi Burkett
	Terry Byington
	Tyson Cady
	Erwin & LaShanda Caldwell
	Sherry & Marty Calvert
	Miguel de Campos
	A.N. & L.L Carlson
n of	Stephen Carlson
	Steven A. & Natalya M. Carlson
	David & Shelly Carmen
	Dave Carroll
	Valerie Carter
	Tang & Teresa Cheam
	Xingguang Chen
	Haichen Cheng
	Cimtech, Inc.
No	Connie Clark-Redmond
Chapter	Donna Closson-Lehn
	Ken Coburn
	Perkins Coie
	The Columbus Foundation, Battelle
	Comcast NBCUniversal
	The Community Foundation of South Sound
	John Cook
	Cooperative Agricultural Producers, Inc.
	Philip & Karen Cramer
	Crane Foundation, Inc.
	Carol Criner
	Shawn & Gina Davis
	Geoff & Shawna Dean
	Gail DeGiulio
	Pat DeGiulio
	Ayla DeLaat
	Allan J. & Joanne K. Dempsey
	James & Sandra Dempsey
	Mike Denlinger
	Atulkumar Desai
	David Dickison
	Ying Dong
	Alexandra Dorsett
	Michael & Stephanie Draszt
	E Mental Group, LLC
	Vince & Julia Ebey

Joanne Edinberg ElectroImpact Eric Emery Esterline F5 Networks Joe Fain Wilkson Family Christopher & Kami Felipe Ferguson Family Carol Finck FIRST First Tech Credit Union Lance & Wendy Flake Flir Systems Scott & Laura Fortin John & Ilea Fowler Maureen Frisch **Charles Frohlich** Travis & Sasha Gaiewski James & Rachel Gallagher Dale Garraway Andrew Gebhart Diana Gee Berta Gensinge Daniel & Corianne Getchell David & Melissa Gibson Global Tech Plastics, LLC Golden Pacific Embossing, Inc. Evan & Zoe Goldring Google.org Douglas Grady Regina Grubb Zihong Guo Michael Gutmann K. Diane Haelsig Jennifer Hagander-Luanava Marcelo Guerra Hahn Christian Hansen Katie Harris **Rosemary Harris** Alison Hawkings Kevin Hawkins Jerry & Mary Heitt Christian Helms Rebecca Hill Timothy & Margo Hill Jansen Hillis Bhargavi Hiremaqalur Lori & Stephen Hittle Mark Hofer & Heather Leach Todd & Stephanie Hollander **Robert Harold Hopp** Michael & Deanne Hoppe Andrew Hospador James & Sandra Hunt Susan Huntington Adam Huson Rhonda & Clarence Ince

Intel Foundation Intellectual Ventures Hank Iszley Itron Community Investment Jeff James Peter & Elizabeth Josten Jeff Jouper Spencer Judge Paul & Rebecca Jung Peter & Tracey Jungmann Kiwanis Club of Oak Harbor City of Kent Tammara King Leif Kornstaedt John Kottcamp Kroger Singh Kulwinder Rajeev Kumar Lam Research Foundation Fund Joshua Lee Tony J. & Debra G. Lee Seven & Julie Lemery Changsheng Li Tzuyung Lin A.J. & M.L. Loftus C.J. Mcanulty Lueck Jay & Shaulana Lujar Michael Lumia Pam Lund Diem Lv Janis Machala Michael Machnicholl Alfred MacRae Donald Madonna James Madonna Naveen Manjunath Craig & Carrie Mann Jared Martinson Jared & Kelly Martinson Susan & David Martucci Mastercam Maxim Integrated Marcie Maxwell Paul & Jean May Dave & Erin McCallum Brien McCrea Keith Meicho Trevor & Jennifer Meier Mentor Graphics Anthony Metoyer **Microsoft Corporation** Microsoft Corporation Giving Campaign Employee Funds Leonard & Sandra Miller Heather Mitchell Paula Mitchell Dan Moberg George & Tichi Motoko

Kimberly Motonaga Beth Moursund Sherry Mowatt Genevieve & Hiroshi Nagata Namify, LLC Robert Neckorcuk Eric Nelson Paul S & Shannon Nelson Daniel Newby Nvtec **Oakfield Development Corporation** Jeffrey Olbers Chelsea Olson Nicola Onychuk David & Debra Orona P&J Machining Pacific Metallurgical, LLC Neil Palachuk Gurdeep Pall Andrew Pardoe Hee-Joo Park Patrick Dunn & Associates, LTD David & Rachel Paul Pete Pereira David W. & Courtney L. Peters Phil Pettis Philips Ultrasound Inc. Andrew Pilloud Jose Pinero Todd Pollard Qualitel Corporation Kyle Quinn Steven & Amanda Radak William Rall Robert & Margo Ralphs Mahalakshmi Ramasamy Jacob Rapoport Ramprabhu Rathnam **Red Dot Corporation Red Lion Corporation Red Lion Hotels Corporation** Kevin Reed Dana Rilev-Black Marcel Rivard Donna Rollag Craig Rosenberg Craig & Vicky Rosencrans Dan Rosenstein Kevin Ross & & Sue Adams Adam Rubens Kip J. & Ann Rumens Tracy Russett & Jack Ballard S&D Kel, LLC Sevan Sahakian Ekta Schan Elizabeth Richards Schwartz Schweitzer Engineering Laboratories, Inc. Seattle Chocolate Company

Alain Semet Sequim PC Users Group Steven Shaw Noelle & Joseph Sheehy Brett Sheil Changsong Shen Sunitha Shivananjundappa Sally Shuler Arlo Siemsen Atul Sikaria Kerrie Anne & Ronald K. Simpson SLG & Associates, LLC Stan & Mary Sorensen Michael Sorenson SPEEA Jared & Debra Spencer Joe Stach Star Rentals Starbucks Robert Steele Jim Stewart Kurt Strauss Brian Sullivan Symbotic, LLC Tableau Foundation Employee Engagement Fund Curtis Takahashi Nicolas Teeuwen Brian Thomas Harry Thomas David Thompson Todd Thompson Brogan Thomsen Gretchen Thomsen Elizabeth & Ron Tickman Van & Chrislvn Torres Cornelia Townsend Bach-Tuyet Tran & John P. Anderson Tri-Cities Lodge #2755 TripWire Wei Tuna Brad & Julie Turner URS Electronics, Inc. Mike Vanderwel Mike VanSchoiack James & Jennifer Vasileff Brigitta Vermesi Peter Vierthaler Ravender Virk Brett & Hali Waldbaum Alan Walker Hongyi Wang George Wu & Li-Ching Wang Washington State Legislature Timothy Waterhouse Brett Webster Lisa Weeks Stella Weidner

Janette R. Wells Kenny Wells Western Integrated Technologies Western Steel & Supply, Inc. Cyndee & Doug Wiese Wilbur-Ellis Company Christoph Wimmer & Susan Collins Thomas Wise **Bichard Wood** Workforce Snohomish Jim Wright Kelly & Matthew Wright Douglas & Heidi Wyman Lauren A. & Edward Young Melissa Zaineb Jock Mackinlay & Polle Zellweger Jason & Megumi Zemlo Can Zheng FIRST thanks its Supporters and has made every

effort to ensure complete and accurate listings. If we've made an error, please accept our sincere apology, and let us know at donations@firstinspires.org.

## PARTNERS

#### 2014-2015 FIRST LEGO LEAGUE JR.

## **Global Partners**

The following key organizations and Volunteers in the field organize the FIRST LEGO League Jr. Program in their respective regions

Belgium Tamara Derksen

Mark Franken Stichting Techniekpromotie Canada

Ontario Peggy Scott FIRST LEGO League Ontario

Quebec Rachid Abiza FIRST Robotics Quebec

China Eugene Zhang Flora Li Andrew Bannish Semia Limited

Denmark Nina Sivertsen

FIRST Scandinavia Estonia

Heilo Altin Ramon Rantsus MTÜ Robootika

Greece

Kostas Vasileiou EduACT Haiti

**Odule Augustin** Kinvil Jean FEDUDEVH

Hong Kong Carlos Lo

The Hong Kong Youth Federation/Semia Limited

Sudhanshu Sharma Pooja Sharma

India

India STEM Foundation Ireland

**Richard Pering** The Institution of Engineering and Technology (IET)

Israel

Yaarit Levy Keren Muchnik Moran Shalev FIRST Israel

Republic of Korea

Eric Lee FEST Creative Engineering Education Association

#### Mexico

Barbara Gomez de Navarro Explora, Descubre Y Crea, AC

The Netherlands

Tamara Derksen Mark Franken Stichting Techniekpromotie

Norway Mariann Johnsen

FIRST Scandinavia Pakistan

Rehan Ahmad STARfALL Foundation (Science and Technology Awareness and Recognition for All

Russia

Aleksei Kornilov Volnoe Delo Foundation South Africa

Johannes de Vries Erika de Vries Tshwane University of Technology

Spain Montse Bover

Fundación Scientia Sweden

Nina Sivertsen FIRST Scandinavia

Turkey

Hakan Habip Ozlem Mutlu Bilim Kahramanlari Dernegi

United Kingdom

**Richard Pering** The Institution of Engineering and Technology (IET)

**United States** 

Alaska Rebecca Soza Juneau Economic Development Council

Arizona Shane Bycott Arizona State University, College of Technology & Innovation

California – Central Michael Adam **Clovis Unified School District** 

California – Southern Lynn Crockett **LEGOLAND<sup>®</sup>** 

Colorado Katherine Aschenberg Colorado Robotics Excelling at Science and Technology Inc.

Delaware

**Teshenia Hughes** Eric Cheek Delaware State University

Hawai'i Aaron Dengler Hawaii FIRST® LEGO® League

Idaho Timothy Ewers, Ph.D. William Boyd Extension 4-H, University of Idaho

Illinois Mary Buchanan Thomas Kleinschmidt INSciTE Illinois

Indiana **Carol Dostal** College of Engineering, Technology and Computer Science Indiana University – Purdue University, Fort Wayne

lowa

**Camille Sloan-Schroeder** College of Engineering, Iowa State University

Kansas – Liberal Jim Bert Mid America Air Museum

Kansas – Kansas Citv **Gretchen Neis** KC STEM Alliance

Louisiana **Carol Cancienne** Annette Oertling BLaST, Inc. (Building Louisiana Science and Technology)

Maryland Mark Jenkins **Bill Duncan** STEMaction, Inc

Michigan **Cindy Nader** Gail Alpert FIRST in Michigan

Minnesota **Cheryl Moeller** Mark Schleusner High Tech Kids

Mississippi Eddie Melton Robotics Alliance of Mississippi

Missouri – Kansas City Gretchen Neis KC STEM Alliance

Missouri – St. Louis Kathie Reuter

LeAnn Ore Heumphreus St. Louis Community College - Florissant Valley

National Society of Black Engineers (NSBE) Katrina Hill

Nebraska **Brandy Wagner** University of Nebraska - Lincoln 4-H Youth Development

Nevada – Las Vegas Jean Hoppert Kelli Callahan FIRST Nevada

Nevada – Reno **Dee Frewert** FIRST Nevada

New Jersey Frnest DiCicco Jr Mount Olive Robotics Education Association

New Mexico Chris Morgan Sandy Trissell FIRST LEGO League New Mexico

New York – Finger Lakes Elayne Stewart University of Rochester

New York – Long Island **Rick Ramhap** SBPLI, Inc.

New York – Mid-Hudson Valley John Houstor **Dutchess County Community College** 

New York – New York City Elizabeth Vilchis Pat Daly

NYC FIRST New York – Utica Flizabeth Ross

SUNY Institute of Technology

North Carolina Marie Hoppert Cathy Gorton NC FIRST Robotics

Ohio Kelli Dubendorfer Educational Outreach Wright Patterson Air Force Base

Oklahoma **JJ** Francais Craig Shreve Oklahoma Science and Engineering Foundation (OKSEF)

Oregon Cathy Swider **Bruce Schafer** Oregon Robotics Tournament and Outreach Program

Pennsylvania – Southeast Peter Randall Dan Ueda University of Pennsylvania

Rhode Island **Rebekah Gendron** Rhode Island School of the Future

South Carolina Mary Graves SC FIRST LEGO League and Robotics Education Inc

Texas – Alamo Melody Crabb Northwest Vista College

Texas - Central Noah Bickford Bethany Paul Skillpoint Alliance

Texas - North Joe Cestari DFW Technology and Education Council

Texas – South Karen Cohen The University of Houston – CORE

Texas – Southwest Gabby Gandara Virgilio Gonzalez University of Texas at El Paso

#### Utah **Carolyn Parker** Nate Friedman

Youth Education University of Utah

Virginia/District of Columbia Nick Swayne **Dustin Skelton** James Madison University

Washington Lindy Baker Susan Martucci Washington FIRST Robotics

West Virginia Todd Ensign NASA IV & V Educator Resource Center

Wisconsin Lisa Bartig BadgerBOTS

Wyoming **Cathy Bisiar** Natrona County School District

#### 2014-2015 FIRST LEGO LEAGUE Global Partners

The following key organizations and Volunteers in the field organize the FIRST LEGO League Program in their respective regions.

#### Argentina

Martin Bergada Educación Tecnológica S.A.

Australia

Austria

Luan Heimlich Macquarie University

Stefanie Hauffe Franzi Ronnehurge HANDS on TECHNOLOGY e.V.

**Belgium** 

Tamara Derksen Mark Franken Stichting Techniekpromotie

Brazil

Cristina Elsner de Faria Barbara Cambraia Traiano SESI - Brazilian Social Services of Industry -

National Department **Bulgaria** 

Kostas Vasileiou

EduACT

Canada

54

#### Alberta Walter Kowalchvk

FIRST LEGO League Alberta Youth Robotics Society Newfoundland/Labrador

**Clarence Buttor** Mount Pearl

Nova Scotia Gary Walsh Acadia University Ontario David Ellis

FIRST LEGO League Ontario Quebec Rachid Abiza

Brault & Bouthillier Chile

**Kirstin Engemann** Fundación SparkTalents

**Eugene Zhang** Semia Limited

Colombia

China

Mónica Maria Sánchez Colorado Fundación Global Arte Cienca y Technologia

Cyprus Kostas Vasileiou

EduACT Czech Republic

Stefanie Hauffe Franzi Ronneburger HANDS on TECHNOLOGY e.V. Denmark

Per-Arild Konradsen Nina Sivertsen

FIRST Scandinavia Dominican Republic

Abraham Dauhaire Fundación para el Desarrollo de las Ciencias y Tecnología

Egypt Ayman El Kabbany Robotics, Technology and Human Resources

Development Association Estonia Heilo Altin

MTÜ Robootika **Faroe Islands** 

Per-Arild Konradsen Nina Sivertsen FIRST Scandinavia

France Bernard Thiery

Erwan Gallee Association MEDIO Sciences Environnement

Germany Stefanie Hauffe

Franzi Ronneburger HANDS on TECHNOLOGY e.V. Greece

Kostas Vasileiou EduACT Haiti **Odule Augustin** FEDUDEVH

Hong Kong Eugene Zhang Semia Limited

The Hong Kong Youth Federation Hungary Stefanie Hauffe

Franzi Ronneburger HANDS on TECHNOLOGY e.V. Iceland

Birgir Urbancic Ásgeirsson Gudrun Bachmann FIRST LEGO League á Íslandi

Sudhanshu Sharma India STEM Foundation

Indonesia Bambang Rusli

India

Mikrobot Ireland

Gareth James **Richard Pering** The Institution of Engineering and

Technology Israel

Alisha MacIntyre Yaarit Levy FIRST Israel

Italy Franco Finotti

Fondazione Museo Civico di Rovereto Japan

Hideki Kamoshida FIRST Japan

Jordan

Ismail Yasein Hasan King Hussein Foundation **Republic of Korea** 

Professor Kvoung-Mihn Do Eric Yongwoo Lee FEST (Feeling and Enjoying Science & Technology Organization)

Kuwait Ismail Yasein Hasan

King Hussein Foundation Latvia

Heilo Altin MTÜ Robootika

Lebanon

Ghazi Mtaweh Cedars Cultural School-Education and Technology Center

Lithuania Arturas Gaulia

leva Jonatyte Robotikos Akademija

Malaysia

KingHui Law Sasbadi Sdn Bhd Mexico

Bárbara Gómez de Navarro Explora, Descubre Y Crea, AC Moldova

Heilo Altin MTÜ Robootika

Montenegro Prof. Srdjan Kadic Young Inventors of Montenegro

The Netherlands

Tamara Derksen Mark Franken Stichting Techniekpromotie

New Zealand

Jason Kyle Kiwi FIRST

Nigeria

Olajide Ademola Ajayi CODERINA

Norway

Per-Arild Konradsen Nina Sivertsen FIRST Scandinavia

Pakistan

Rehan Ahmad Qamar Igbal STARfALL (Science and Technology Awareness and Recognition for All)

Palestine Ismail Vasein Hasan King Hussein Foundation

Peru

Luis Linares Wernher Von Braun IEP SA

Philippines Mylene Abiva

FELTA Multi-Media, Inc. Poland

Stefanie Hauffe Franzi Ronneburge

HANDS on TECHNOLOGY e.V.

Portugal

Noah Revov Evoluir21 Oatar

Ismail Yasein Hasan King Hussein Foundation

Russia Aleksei Kornilov

Maxim Petrov Volnoe Delo Foundation

Serbia Andrej Bergant

Natalija Premuzič Zavod Super Glavce

Singapore

Hozefa Aziz Singapore Wala Duck Learning

Louisiana Annette Oertling Scot Marshall BLaST, Inc. (Building Louisiana Science

and Technology) Maine

Tom Bickford Maine Robotics

Maryland Anne Spence, Ph.D. **Jamie Gurganus** 

College of Engineering & Information Technology University of Maryland Baltimore

Massachusetts **Colleen Shaver** Worcester Polytechnic Institute

Michigan Pamela Williamson FIRST in Michigan

Minnesota Vicky Coaty **Cheryl Moeller** High Tech Kids

Mississippi Eddie Melton Robotics Alliance of Mississippi

Missouri – St. Louis Kathie Reuter LeAnn Ore Heumphreus St. Louis Community College -Florissant Valley

Montana Allison Banfield Montana State University – Bozeman

The National Society of Black Engineers (NSBE) Katrina Hill

Nebraska Kate Pittack University of Nebraska -Lincoln 4-H Youth Development

Nevada – Las Vegas Jean Hoppert FIRST Nevada

Nevada – Reno **Dee Frewert FIRST** Nevada

College of Engineering, Iowa State University New Hampshire Kristen Zuege **Brian Belley BAE Systems** 

> New Jersey Ernest DiCicco, Jr. Mount Olive Robotics Education Association

New Mexico Chris Morgan Sandy Trissell Girl Scouts of New Mexico Trails

New York - Finger Lakes **Elayne Stewart** Damian Garcia Costas Solomou University of Rochester

New York – Long Island Janet Anderson SBPLI, Inc.

New York – Mid-Hudson Valley **Casimer DeCusatis** Leah Akins John Houston Hudson Valley *FIRST* LEGO League

New York – New York City Mark Sharfshteyn Peter Xanthus NYC FIRST

New York – Potsdam Amanda Hitterman Jessica McPherson **James Carroll** Clarkson University

New York – Utica Elizabeth Rossi SUNY Institute of Technology

North Carolina Dr. Korv Bennett North Carolina A&T State University

North Dakota Ashley Miller Christina Loh Glen Klawon University of North Dakota, School of Engineering & Mines

Ohio Brenda Ronnebaum Katie Jewe The Ohio Educational Outreach Foundation

Oklahoma **Craig Shreve Oklahoma Science and Engineering Foundation** (OKSEE)

Oregon Bruce Schafer Loridee Wetzel **Oregon Robotics Tournament** and Outreach Program

Pennsylvania – Northwest Melanie Ford **Edward Smith** Penn State Erie, The Behrend College

Pennsylvania – Southeast Nate Knauss Dan Ueda University of Pennsylvania

Pennsylvania - Southwest - Central Allison Felix Saint Francis University

Pennsylvania – Southwest - Pittsburgh Gordon Walton BrainSTEM Learning, Inc.

Puerto Rico Miray Ramy Eureka Enrichment and Learning Center, Inc.

Rhode Island **Rebekah Gendron** Rhode Island School of the Future

South Carolina Louis Rubbo **Mary Graves** SC FIRST LEGO League and Robotics Education, Inc.

55

California – Los Angeles

California – Northern

California – Southern

Courtney Goeltzenleuchter

Central Connecticut State University

Girl Scouts of Greater Los Angeles

Tony Ayad

Mark Edelman

Plaving @ Learning

Lvnn Crockett

**Ross Parrent** 

Connecticut

Mike Gentry

Delaware

**Eric Cheek** 

Florida

Georgia

**Jeff Rosen** 

Hawai'i

Idaho

Illinois

Indiana

lowa

.lim Bert

Gretchen Neis

Laura Bauer

Lisa Blair

Kentucky

John Farrar

Storm Robinson

Aaron Dangler

William Boyd

Blaine Kashiwaeda

Timothy Ewers, Ph.D.

Tom Kleinschmidt

Diane Michalczuk

College of Engineering,

Indiana University -

Kansas – Liberal

Mid America Air Museum

Kansas City Region

Service Center

Northern Kentucky University

Curators, University of Missouri

Kansas – Southeast - Greenbush

Greenbush, Southeast Kansas Education

Technology and Computer Science

Purdue University, Fort Wayne

Camille Sloan-Schroeder

INSciTE Illinois

**Carol Dostal** 

Julie Sonnenberg-Klein

Georgia Institute of Technology

Hawaii FIRST® LEGO® League

Extension 4-H, University of Idaho

Laura Melnik

Technology Inc.

**Delaware State University** 

Florida Robotics Education, Inc.

LEGOLAND®

Colorado

Jill Wilker

Slovakia

Slovenia

Stefanie Hauffe

Andrei Bergant

Natalija Premuzic

Zavod Super Glavce

Johannes de Vries

Tshwane University of Technology

South Africa

**Ricard Huguet** 

Nina Sivertsen

Switzerland

Taiwan

Johnson Jan

K Kingdom Inc.

Thailand

Turkey

Fatma Habip

Davut Habip

Ukraine

Prolego I td

Stefanie Hauffe

Franzi Ronneburger

HANDS on TECHNOLOGY e.V.

Torsak Chantaravisoot

Gammaco (Thailand) Co. Ltd

Bilim Kahramanlari Dernegi

Oksana Stoyetskaya

United Kingdom

**Gareth James** 

**Richard Pering** 

The Institution of

**United States** 

Mel Wade

Alabama

Alaska

Arizona

Arkansas

Dana Hobbs

Rebecca Parks

Jennifer Velez

Arizona State University

California - Central

**Clovis Unified School District** 

Amber Williamson

Michael Adam

Engineering and Technology

Adventist Robotics League

Alabama FIRST LEGO League

Juneau Economic Development Council

Ira A. Fulton Schools of Engineering

Science and Technology Group, Inc.

FIRST Scandinavia

Fundación Scientia

Per-Arild Konradsen

Spain

Sweden

Franzi Ronneburger

HANDS on TECHNOLOGY e.V.

South Dakota Amy Engebretson Kristie Maher EmBe

Tennessee – East Paula Suchomski Kris Craven Bradley Weil Tennessee Technological University

Tennessee - West Tom Banning Daniel Kohn Frank Niedzwiedz University of Memphis

*Texas – Alamo* Andrew Schuetze Alamo College – Northwest Vista College

Texas – Central Noah Bickford Bethany Paul Skillpoint Alliance

Texas – North Kristi Cantu Teresa Lenling Perot Museum of Nature and Science

Texas – South Karen Cohen The University of Houston – CORE

Texas – Southwest Gabby Gandara Virgilio Gonzalez University of Texas at El Paso

Utah Kathy Hajeb Anne Bastien Technology Venture Development University of Utah

Virginia/District of Columbia Nick Swayne Dustin Skelton James Madison University

*Washington* Erin McCallum Lindy Baker Susan Martucci

Washington *FIRST* Robotics *West Virginia* 

Todd Ensign NASA IV & V Educator Resource Center

Wisconsin Lisa Bartig Ben Senson BadgerBOTS

Wyoming Shannon Fischer Natrona County School District

Yemen

56

Ismail Yasein Hasan King Hussein Foundation

#### 2014-2015 FIRST TECH CHALLENGE

The following key organizations and Volunteers in the field organize the FIRST Tech Challenge Program in their respective regions.

*Affiliate Partners* Australia

Luan Heimlich Michael Heimlich Macquarie University

*Alberta* Philippe Manseau

Canada

China Eugene Zhang

Semia Limited
Czech Republic

Perry Barlien International School of Prague

France Alice Caplier Grenoble INP India

Sudhanshu Sharma Techtronics Education Republic of Korea

Professor Kyoung-Mihn Do FEST Creative Engineering Education Association (Feeling and Enjoying Science & Technology Organization)

Mexico Bárbara Gómez de Navarro Explora, Descubre Y Crea, AC

The Netherlands

Lennart de Graaf Fontys Hogeschool ICT New Zealand

<mark>Jason Kyle</mark> Kiwi *FIRST* 

Russia Maxim Petrov

Volnoe Delo Foundation Saudi Arabia

Husam Al Madani National Talent Training Center

South Africa Johannes de Vries

F'SATIE Taiwan

Johnson Jan ESUN Robot Association United States

Alaska Brian Holst Juneau Economic Development Council Arizona

Christine Sapio Coconino High School David Thompson Northern Arizona University

Arkansas Jacquelyn Meissner Mountain Home High School – Career Academies

California – Los Angeles Liberty Naud SMaRT Education

California – Northern California Jill Wilker Mark Edelman Playing @ Learning California – San Diego

John and Marion Brooks

Matthew Collier Kathy Collier LAUNCH Connecticut

Evan Barnet *Delaware* Eric Cheek

Delaware State University *Florida* <u>Hans Wolf</u> Tampa Bay Robotics Foundation, Inc.

**Georgia** Connie Haynes Georgia *FIRST* 

*Hawai'i* <mark>Aaron Dengler</mark> Punahou School

*Idaho* Tim Ewers University of Idaho Extension 4-H

*Illinois* Michael Seedman

Indiana Darrin Wilcoxson Crawfordsville High School

Iowa Rebecca Whitaker University of Iowa Kentucky

Shawn Payne Jessica Cecil Owensboro Community and Technical College

Maryland Bill Duncan STEMaction, Inc

Massachusetts Loretta Bessette MIT Lincoln Laboratory

Michigan High School Betsy Lamb Cranbrook Schools

*Michigan Middle School* Francois Castaing Gail Alpert

FIRST in Michigan Minnesota Cheryl Moeller High Tech Kids *Mississippi* John O'Haver University of Mississippi

> Missouri Dr. Marcia Pfeiffer Ashok Agrawal St. Louis Community College

Montana Ed Huth

Oracle Nebraska Brad Barker Nebraska 4-H Youth Development

Nevada – Las Vegas David Philippi Northwest Career and Technical Academy

<mark>Jean Hoppert</mark> FIRST Nevada

New Jersey Joel Bloom New Jersey Institute of Technology

New York City Pat Daly NYC FIRST

New York – Hudson Valley New York – Empire Richard Kline Pace University

New York – Potsdam James Carroll Clarkson University

North Carolina Dr. Kory Bennett North Carolina A&T State University

North Dakota Paul Keidel Bismarck Career Academy

Ohio Linda Neenan iSPACE, Inc.

Oklahoma Brad Fitzgerald Southwest Oklahoma State University

Oregon Bruce Schafer Cathy Swider

*Pennsylvania* Thomas Zawislak

Pennsylvania *FIRST* Robotics *Rhode Island* Erin Flynn

New England Institute of Technology South Carolina

William Pedersen John Fogarty South Carolina Robotics Education Foundation

Texas – Dallas/Fort Worth Dr. Carter Tiernan College of Engineering University of Texas at Arlington

Texas – Lubbock Richard Gale Texas Tech University Texas – Pasadena/Houston Sharon Sledge

Hawai'i

Idaho

Illinois

Indiana

Lori Hall

Will Boyd

Dan Green

Sue Kunzeman

Jonathan Weiland

Tammy Damrath

Minnesota

Vicki Coaty

Mississippi

Missouri

Montana

Mannie Lowe

Susie Mathieu

Tom McGovern

Diana Howard

Allison Banfield

New Jersey

Vince Frascella

Patricia Frascella

New York City

New York - Empire

Norm Sutaria

**Bernice Houle** 

Pace University

Pennsylvania

**Dave Hackett** 

Chris Carter

Dave Davis

College of Engineering

Texas – Lubbock

Texas Tech University

Alan Barhorst

Dina Barhorst

**Nelson Carter** 

Dana Dellinger

University of Vermont

Vermont

**Jeff Frolik** 

Virginia

**Carol Edelman** 

Washington

Adrienne Rime

Julianne Pickering

University of Wisconsin Milwaukee

Kevin Ross

Wisconsin

Utah

San Jacinto College

Montana State University

New York – Hudson Valley

Texas – Dallas/Fort Worth

University of Texas at Arlington

Texas – Pasadena/Houston

Ken Platteschorre

Michigan Middle School

**Blake Uramoto** 

Jenny Uramoto

San Jacinto College *Texas – San Antonio* Andrew Schuetze

Utah David Ferro Weber State University Vermont

Douglas Dickey Kristin Winer University of Vermont

Virginia Scott McKay Virginia*FIRST* 

Washington Eric Stokely Washington *FIRST* Robotics

West Virginia Peggy Vance Logan County Schools

Wisconsin Michael Krauski University of Wisconsin Milwaukee

Wyoming Shannon Fischer Natrona County School District

Program Managers China

Andrew Bannish Kevin Li Flora Li Xiangpeng Zhang Semia Limited

Czech Republic Joe Monks

India

Rajan Malhotra

Republic of Korea

Eric Lee FEST Creative Engineering Education Association

Saudi Arabia

Mohammed Alsenwar National Talent Training Center Taiwan

Rene Cheng ESUN Robot Association United States

California – Los Angeles

Alaska

Rebecca Soza

David Patterson

Giai Johnson

Brian Bugert Sr.

**Theresa Klemme** 

Maggie Scholtz

Georgia

Robert May

#### 2015 FIRST ROBOTICS COMPETITION

The following organizations partner with FIRST to implement the FIRST Robotics Competition Program in a specified region.

Australia

Macquarie University

#### Canada

FIRST Robotics Canada

Israel

FIRST Israel

Mexico

Fundación Azteca

#### **United States**

Arizona AZFirst

Arkansas Arkansas FIRST

Colorado Colorado*FIRST* 

Florida

Florida *FIRST* Robotics Education Foundation, Inc. (FFREF)

Georgia Georgia*FIRS*T Robotics Inc.

Hawai'i Friends of Hawaii Robotics

Illinois FIRST Illinois Robotics

Indiana Indiana*FIRST* 

Louisiana

BLaST, Inc. (Building Louisiana Science and Technology)

Michigan FIRST in Michigan (FiM)

Mid-Atlantic Region Mid-Atlantic Robotics, a NJ Non-Profit Corp. (MAR)

Missouri – Kansas City University of Missouri – Kansas City (UMKC)

Missouri – St. Louis Saint Louis Science Center

Nevada FIRST Nevada

New England ingenuityNE Inc.

New York City

New York – Long Island School-Business Partnerships of Long Island, Inc. (SBPLI)

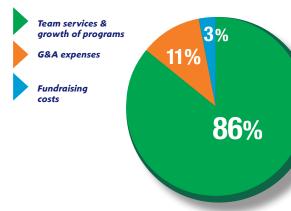
North Carolina NC FIRST Robotics

Ohio Ohio Aerospace Institute

South Carolina Palmetto Partners for Science and Technology Tennessee TNFIRST, LLC Texas FIRST in Texas

Virginia Virginia*FIRST* 

Washington Washington FIRST Robotics



# FINANCIALS

Program expansion and mission successes continued in fiscal year 2014-2015 with balanced growth in revenues and expenses, including additional investments in our Youth Protection Program, Information Technology, Program Evaluation, and new investment in our Diversity & Inclusion Program. Contributions remained strong, as many individuals, small businesses, corporations - including over 200 of the Fortune 500 companies - and foundations maintained or increased their support, while new Sponsors joined FIRST. This support provided meaningful experiences to more than 359,000 youth engaged in the FIRST Progression of Programs.

As noted in the graph, and in keeping with long-time practices, *FIRST* continues to apply the maximum percentage of funds possible to directly benefit FIRST participants. Included within the modest G&A expenses are significant investments in infrastructure enhancements, including those noted above.

— ★★★★ Charity Navigator

FIRST achieved its tenth consecutive four-star rating from Charity Navigator, certifying our continued commitment to accountability, transparency, and sound fiscal management. This consecutive rating places FIRST in the top 1% of the U.S. charities evaluated by Charity Navigator.

STATEMENTS OF ACTIVITES	JUNE 30, 2015	JUNE 30, 2014
Revenues and other support:		
Program registration fees	\$ 22,718,237	\$ 20,474,334
Contributions and grants	18,214,680	19,111,341
Other income, net of expenses of \$98,099 in 2015 and \$93,186 in 2014	1,045,962	983,529
Special project (loss) income, net of expenses of \$1,196,117 in 2015		
and \$725,116 in 2014	(136,485)	126,385
Net assets released from restrictions	17,449,790	14,739,677
Total revenues (losses) and other support	59,291,914	55,435,266
Expenses		
FIRST Robotics Competition	39,493,796	36,203,436
FIRST LEGO League and FIRST LEGO League Jr.	6,024,042	6,400,585
FIRST Tech Challenge	3,832,813	3,050,151
FIRST Place	14,881	12,562
Net cost of building space occupied by unrelated not-for-profit organizations	256,625	244,774
General, administrative and supporting services, and fundraising	7,688,961	7,262,637
Operation of FIRST facilities	437,912	418,621
Depreciation	532,434	529,923
Total expenses	58,281,464	54,122,689
Operating surplus	<u>1,010,450</u>	1,312,577
STATEMENTS OF FINANCIAL POSITION		
Assets:		
Cash and cash equivalents*	15 405 707	10 005 705
Short-term investments*	15,485,707	18,225,785
Pledges, receivables, program supply inventory, and other assets	8,250,000	8,500,000
Net property, plant, and equipment	10,804,438	8,102,948
	4,524,283	3,961,488
Total assets, end of year	39,064,428	38,790,221
Liabilities and net assets:		
Total liabilities, end of year	2,376,582	2,276,854
Net assets:		
Unrestricted	22,777,156	21,766,706
Temporarily restricted	13,910,690	14,746,661
	10,010,000	14,740,001
Total net assets, end of year	36,687,846	36,513,367
Total liabilities and net assets, end of year	\$ 39,064,428	\$ 38,790,221

For each of the two fiscal years summarized above, FIRST received unmodified (unqualified) opinions from its independent auditors, BerryDunn.

\*Note: The cash and short-term investments are comprised of both unrestricted funds and donor temporarily restricted funds. The total liquid assets balance available to FIRST, for operating purposes, at June 30, 2015, is equivalent to approximately four months of FIRST operating expenses.

The financial information presented here is condensed and does not include the value of all donated services and materials. Audited Financial Statements (AFS) are readily available on the website at www.firstinspires.org under "About/Annual Report." For details, please refer to the accompanying notes, which are an integral part of the AFS, at the above web address

# LEADERSHIP

#### **Board of Directors**

Sheri S. McCoy - Co-Chair **Chief Executive Officer & Director** Avon Products, Inc.

Robert M. Tuttle - Co-Chair **General Partner** 1848 Associates

John E. Abele - Vice Chair Founding Chairman, Retired Boston Scientific Corporation

Donald E. Bossi - Secretary President **FIRST®** 

Dean Kamen - Founder

President

Paul A. Allaire FIRST Chairman: 1995-2000 Chairman & Chief Executive Officer. Retired

Ursula M. Burns **Chairman & Chief Executive Officer** Xerox Corporation

**DEKA Research & Development Corporation** 

Dr. Robin N. Coger Dean, College of Engineering North Carolina A&T State University

David Crane Former President & Chief Executive Officer NRG Energy, Inc.

Walter P. Havenstein Chief Executive Officer, Retired Science Applications International Corporation (SAIC)

Dr. Paul E. Jacobs Executive Chairman of the Board Qualcomm Incorporated

Muhtar Kent Chairman of the Board & **Chief Executive Officer** The Coca-Cola Company

Dr. Laurie Leshin President Worcester Polytechnic Institute

John H. Lynch Former Governor State of New Hampshire

Scott McKav Executive Vice President & **Chief Information Officer** Genworth Financial

Dennis A. Muilenburg Chairman, President, & Chief Executive Officer The Boeing Company

Robert K. Ortberg Chairman, President, & Chief Executive Officer **Rockwell Collins** 

Robert L. Parkinson, Jr. **Chairman Emeritus** Baxter International Inc.

Steve Sanghi Chairman of the Board, President, & Chief Executive Officer Microchip Technology, Inc.

Myron (Mike) E. Ullman, III **Executive Chairman** JCPenney

#### **Honorary Directors**

Xerox Corporation

J.T. Battenberg III Chairman & Chief Executive Officer. Retired Delphi Corporation

Francois J. Castaing **Executive Vice President, Retired** Chrysler Corporation

L. John Doerr III Partner Kleiner Perkins Caufield & Byers

Gary L. Tooker Chairman of the Board, Retired Motorola, Inc.

James R. Utaski FIRST Chairman: 2000-2002 **Corporate Mergers & Acquisitions** Officer, Retired Johnson & Johnson

#### Senior Advisors

Dr. Shirley Ann Jackson President Rensselaer Polytechnic Institute

Kjeld Kirk Kristiansen Chairman of the Board LEGO Foundation & KIRKBI A/S

Gordon Lankton Chairman of the Board, Retired Nypro Inc

Dr. William P. Murphy, Jr. Founder Cordis Corporation

Dr. Roland Schmitt President Emeritus Rensselaer Polytechnic Institute

The Honorable Jeanne Shaheen United States Senator New Hampshire

#### **Executive Advisorv Board**

Dr. Woodie Flowers - Co-Chair & Distinguished Advisor Pappalardo Professor Emeritus of Mechanical Engineering Massachusetts Institute of Technology

Vincent Wilczynski, Ph.D. - Co-Chair Deputy Dean, School of Engineering & Applied Science Yale University

Ray Almgren Chairman FIRST in Texas

Gail Alpert President FIRST in Michigan

Tom Arseneault **Chief Operating Officer** BAE Systems, Inc.

Suieet Chand Chief Technology Officer & Senior Vice President Rockwell Automation, Inc.

Cosema (Connie) Crawford, P.E. Senior Vice President The Louis Berger Group, Inc.

Michael Dubno Head of Global Markets & Research Technology, Retired Bank of America Merrill Lynch

Greg Hale Vice President & Chief Safety Officer Walt Disney Parks & Resorts

Erik Halleus President & Chief Executive Officer EuroScandia Enterprises

James E. Heppelmann President & Chief Executive Officer PTC

Marc Hodosh Co-Creator TEDMED

Kent H. Hughes Public Policy Scholar Woodrow Wilson International Center for Scholars

#### Kyle Hughes

Founder and Teacher Clarkston High School Science, Mathematics, and Technology Academy

Jacob Kragh Senior Vice President, China LEGO

**David Lavery** Program Executive for Solar System Exploration NASA

Paul Lazarus President White Dwarf Productions

Susie Mathieu Partner Spirit Hockey, LLC

Ceci Neumann Independent Law Practice Professional

Kevin Ross Founder Washington FIRST Robotics

Robert Sobolewski **President & Chairman** ingenuityNE

Josh S. Weston Honorary Chairman Automatic Data Processing, Inc.

#### Leadership Team

Donald E. Bossi President FIRST

Steven R. Chism Vice President, Programs FIRST

Terry Durkin Vice President, Finance FIRST

Mark Giordono Vice President, Development FIRST

Mark Greenlaw Vice President, Strategy and Impact FIRST

**Roseann Stevens** Vice President, Field Operations, Volunteer Resources, and Youth Protection FIRST

Listing current as of March 1. 2016

Championship photography by Adriana M. Groisman, Argenis Apolinario, Dan Donovan, Lara Longo, and Lou Ravetta. Other images courtesy of FIRST teams, Volunteers. and Sponsors.

"To transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders." Dean Kamen, Founder

Sport for the Mind<sup>®</sup> CREATIVE PROBLEM SOLVING

HANDS ON



Vision

To inspire young people to be science and technology leaders, by engaging them in exciting Mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

Impact

**MORE THAN ROBOTS**<sup>5M</sup> FIRST participation is proven to encourage students to pursue education and careers in STEM-related fields, inspire them to become leaders and innovators, and enhance their 21<sup>st</sup> century work-life skills.



. 200 Bedford Street 🌒 Manchester, NH 03101 📕 800.871.8326

*FIRST*<sup>®</sup>, the *FIRST*<sup>®</sup> logo, *FIRST*<sup>®</sup> Robotics Competition, FRC<sup>®</sup>, *FIRST*<sup>®</sup> Tech Challenge, FTC<sup>®</sup>, *Coopertition*<sup>®</sup>, *Gracious Professionalism*<sup>®</sup>, *Sport for the Mind*<sup>™</sup>, RECYCLE RUSH<sup>™</sup>, and CASCADE EFFECT<sup>™</sup> are trademarks of the United States Foundation for Inspiration and Recognition of Science and Technology (*FIRST*<sup>®</sup>). LEGO<sup>®</sup> and MINDSTORMS<sup>®</sup> are registered trademarks of the LEGO Group. *FIRST*<sup>®</sup> LEGO<sup>®</sup> League, FLL<sup>®</sup>, Junior *FIRST*<sup>®</sup> LEGO<sup>®</sup> League, *FIRST*<sup>®</sup> LEGO<sup>®</sup> League Jr., Jr.FLL<sup>®</sup>, FLL WORLD CLASS<sup>®</sup>, and Jr.FLL THINK TANK<sup>™</sup> are jointly held trademarks of *FIRST* and the LEGO Group. All other trademarks are the property of their respective owners. ©2016 *FIRST*. All rights reserved.



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY