

# SCSU-JECUTC 2009 FIRST TECH CHALLENGE

## FINAL WINNERS

### INSPIRED AWARD

	<u>TEAM #</u>	<u>TEAM NAME</u>
<b>FIRST PLACE</b>		
Anderson Career & Technology Center	311	FEMBOTS
<b>SECOND PLACE</b>		
ENTECH (ENGINEERING & TECHNOLOGY PROGRAM)	753	E. T.
<b>THIRD PLACE</b>		
Aiken County High School	1102	Aiken Tech Magic

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### INNOVATIVE AWARD

	<u>TEAM #</u>	<u>TEAM NAME</u>
<b>FIRST PLACE</b>		
Bluffton High School	2816	Nerf Herders

**SECOND PLACE**

Lugoff-Elgin High School

**208**

LEHS Demon Robotics

**THIRD PLACE**

ENTECH (ENGINEERING & TECHNOLOGY)

**753**

E. T.

**CONNECT AWARD**

**TEAM #**

**TEAM NAME**

**FIRST PLACE**

Lugoff-Elgin High School

**208**

LEHS Demon Robotics

**SECOND PLACE**

Hanahan High School

**335**

Demon Hawks

**THIRD PLACE**

Anderson Career & Technology Center

**312**

Omegas

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**THINK AWARD**

**TEAM #**

**TEAM NAME**

**FIRST PLACE**

Bluffton High School	413	Team Reptar
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**SECOND PLACE**

Anderson Career & Technology Center	315	Demon Hawks
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**THIRD PLACE**

Walhalla High School	249	Razors Robots6
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**MOTIVATE AWARD**

**TEAM #**

**TEAM NAME**

**FIRST PLACE**

Aiken County High School	1102	Aiken Tech Magic
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**SECOND PLACE**

Anderson Career & Technology Center	317	Justice Leagues
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**THIRD PLACE**

Hanahan High School	335	Demon Hawks
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**DESIGN AWARD**

**FIRST PLACE**

**TEAM #**

**TEAM NAME**

ENTECH (ENGINEERING & TECHNOLOGY PROGRAM)      **753**      E. T.

**SECOND PLACE**

Lugoff-Elgin High School      **208**      LEHS Demon Robotics

**THIRD PLACE**

Anderson Career & Technology Center      **312**      Omegas

**2009 FIRST TECH CHALLENGE FACE-OFF WINNERS**

Aiken County High School      **1102**      Aiken Tech Magic

Anderson Career & Technology Center      **315**      Demon Hawks

Anderson Career & Technology Center      **312**      Omegas

## **About FIRST:**

*FIRST* (For Inspiration and Recognition of Science and Technology) was founded by inventor Dean Kamen to inspire young people's interest and participation in science and technology. Based in Manchester, New Hampshire, *FIRST* is a 501(c) (3) not-for-profit public charity. A volunteer-driven organization *FIRST* is built on partnerships with individuals as well as businesses, educational institutions, and government. Some of the world's most respected companies provide funding, mentorship time and talent, and equipment to make *FIRST*'s mission a reality. As a team coach, you join over 80,000 committed and effective volunteers who are key to introducing close to 200,000 young people to the joy of problem solving through engineering.

*FIRST* provides four programs: the *FIRST* Robotics Competition (FRC) and the *FIRST* Tech Challenge (FTC) for high-school-aged young people, *FIRST* LEGO® League (FLL) for 9 to 14 year-olds, and Junior *FIRST* LEGO League for 6 to 9 year-olds. Also located at *FIRST* headquarters is the research and development facility called *FIRST* Place. *FIRST* Place is integral to game design, new program development, evaluation, and professional development of *FIRST* mentors.

### **What is the *FIRST* Tech Challenge?**

*FIRST* Tech Challenge (FTC) is the newest addition to the family of *FIRST* programs. FTC knew out of a need for a mid-level robotics program to transition teams from *FIRST* Lego League to *FIRST* Robotics Competition. FTC became an official *FIRST* program and was renamed *FIRST* Tech Challenge in 2007. The FTC Competition Kit challenges student's creative problem-solving skills by enabling them to build robots that do amazing things. Students design and construct robotic devices which can be autonomously programmed or operator-controlled to perform various tasks that expand the boundaries of experimental intelligence.

### **Gracious Professionalism – A *FIRST* Credo**

“The *FIRST* spirit encourages doing high-quality, well informed work in a manner that leaves everyone feeling valued”. Gracious professionalism seems to be a good descriptor for part of the ethos of *FIRST*. It is part of what makes *FIRST* different and wonderful. *Gracious professionalism* can and should mean different things to each of us.

## **FIRST TECH AWARDS**

### ***FIRST Tech Challenge Inspire Award:***

This formally judged award is given to the team that truly embodied the “challenge” of the FTC program. The team that receives this award is chosen by the judges as having best represented a “role model” *FIRST* Tech Challenge Team. They are a top contender for all other judging categories and are a strong competitor on the field. The Inspire Award Winner is an inspiration to other teams, acting with gracious professionalism both on and off the playing field. This team understands how to communicate their experiences and knowledge to other teams, sponsors, and the judges.

### ***FIRST Tech Challenge Design Award:***

New for the 2008 season, this judged award recognizes design elements of the robot that are both functional and aesthetic. All successful robots have innovative design aspects; however, the Design Award is presented to teams that incorporate industrial design elements into their solution. These design elements could simplify the robot's appearance by giving it a clean look, be decorative in nature, or otherwise express the creativity of the team. The winning design should not compromise the practical operation of the robots but compliment its purpose.

### ***FIRST Tech Challenge Innovate Award:***

The *FIRST* Tech Challenge Innovate Award celebrates a team that not only thinks outside the box, but also has the ingenuity and inventiveness to make their designs come to life. This judged award is given to the team that has the most innovative and creative robot design solution to any or all specific field elements or components in the *FIRST* Tech Challenge game. Elements of this award include elegant design, robustness, and out of the box thinking related to design. This award may address the design of the whole robot, or of a sub-assembly attached to the robot. The creative component must work consistently, but a robot does not have to work all the time during matches to be considered for this award. The team's Engineering Notebook should be marked with journal entries to show the design of the components and the team's robot in order to be eligible for this award, and entries should describe succinctly how the team arrived at that solution.

### ***FIRST Tech Challenge Connect Award:***

This judged award is given to the team that most connected with their local community and the engineering community. A true *FIRST* team is more than a sum of its parts, and recognizes that their schools and communities play an essential part to their success. The recipient of this award is recognized for helping the community understand *FIRST*, the *FIRST* Tech Challenge, and the team itself. The team that wins this award is aggressively seeking engineers and exploring the opportunities available in the world of

engineering, science and technology. In addition, this team has a clear fundraising goal and plan to achieve that goal.