



Calling All Girls!

Nashville, TN will host the 2015 Society of Women Engineers (SWE) convention. An important component of the convention is the INVENT IT.BUILD IT. outreach event, specifically for girls in grades 6-8. Girls will participate in hands-on, Design Squad activities with members of SWE and have exclusive access to the student EXPO. Held Saturday, October 24th at the Nashville Music City Center from 9am-3:30pm, SWE encourages parents to attend and learn about engineering careers, scholarships, college admission, etc. The cost is \$7.00/students and \$5.00/adults and includes lunch. Register now at <http://societyofwomenengineers.swe.org/invent-it-build-it>



FIRST Joins STEM Education Coalition

The STEM Education Coalition works to raise awareness at the government level in an effort for our nation to improve the way students learn STEM. The Coalition requests the business, education and STEM communities to work together to achieve this goal. *FIRST* looks forward to working with STEM change leaders within the Coalition to achieve this important goal.



FIRST Invited Back for 2016 Annual Convention

Based on the excitement generated by *FIRST* students presenting at the 2015 ASEE Annual Convention in Seattle, WA, *FIRST* has again been invited to increase our visibility at the 2016 Annual Convention in New Orleans, LA in June. Local *FIRST* Robotics Competition teams will set up a field to demo their robots and encourage all attendees to learn how to "drive" a robot.



Transitions To a Sponsor Role

As the official *FIRST*® Safety Alliance Partner, UL has been both a *FIRST* Strategic Alliance and a key resource to the *FIRST*® Robotics Competition program since 2009. With recent changes in their corporate structure and the organization's wish to become more involved, UL will transition to a Sponsor role beginning with the 2016 season. UL and *FIRST* will continue to work together for a safer world both on and off the field.



Society of Hispanic Professional Engineers
Changing Lives... Empowering Communities... Impacting the World...

SHPE Pilots

FIRST® Tech Challenge

After speaking at the *FIRST* Championship and meeting teams and Mentors, SHPE President Barry Cordero believes that the *FIRST* Tech Challenge program could be a perfect fit for high school students currently involved in SHPE Jr. chapters. SHPE/*FIRST* will jointly target geographic areas to pilot new teams this season



Society of Women Engineers

Teen Membership

The Society of Women Engineers offers *FIRST* students free membership with great benefits. "NextGen" is now available to Students aged 13-18. Boys wishing to be advocates for girls in STEM are encouraged to join. [Download the Flyer](#)



FIRST® Teams ROCK Annual PTA Convention

At the 2015 National PTA Convention in Charlotte, NC held in late June, local teams did *FIRST*® proud at the booth generously provided by National PTA. Thanks, in part, to the passion for *FIRST*® displayed by teams and Mentors at the event, great interest was generated in all programs. Many thanks to NC Regional Director Marie Hopper for her logistical support; *FIRST*® Robotics Competition Teams 900 and 3506; and *FIRST*® Tech Challenge Teams 6972 and 8760 for “Making it Loud” at this event.

Automation Careers

*Defining the Skills Needed
for Today's Workforce*



The “Automation Competency Model” was developed through a collaborative effort involving the Employment and Training Administration and industry experts from the Automation Federation. The model was updated to reflect the knowledge and skills needed by today's automation professionals. This updated model contains new information on cybersecurity in mission-critical operational technology, primarily focusing on industrial automation and control systems. For industry job descriptions, automation and control training resources and to view the model in full, visit the resources page at www.AutomationFederation.org

Aspirations in Computing Awards*



Nominations for the 2016 *Aspirations in Computing Award*, are open! The **Student Award** honors young women interested in computing and technology and encourages them to pursue their passions. Nominations for the **Student Award** open September 1st and close October 26th, 2015. The **Educator Award** recognizes those making a special effort to support this student passion. Nominations for the **Educator Award** open September 1st and close November 9th, 2015. Learn more at: www.aspirations.org/participate/high-school.

*Note: In 2014, 20% of all *Aspirations in Computing Award* winners were *FIRST* students. In 2015, that figure increased to 25%.

Questions? Ideas?

Contact Carla Proulx, *FIRST* Alliances Manager at cproulx@usfirst.org or 800/871-8326 x563



An Industry Resource

STEMdaily brings you articles, events and information from around the country. It's a “Who's Doing What in STEM” in your state brought to you by STEMConnector. Subscribe to what's happening in your neck of the woods by visiting:

www.stemconnector.org/stemdaily

Generation STEM



A recent study by the Girl Scouts highlights key factors that influence and encourage girls' interest in STEM. The project intent was to add to the body of knowledge on girls, young women and STEM, as well as provide results that can be used to recommend new innovative solutions. Read more at [Generation STEM](http://GenerationSTEM.org).

Million Women Mentors

MWM promotes the engagement of one million STEM mentors to increase the interest and confidence of girls to succeed in STEM programs and careers.

FIRST is now an official member in this initiative which connects community mentors with girls in STEM programs.

Visit MWM to learn more.

