


Society of Women Engineers
 REACH • ADVANCE • ACHIEVE

Reach Out. Make a Difference.

Stacey M. DeVecchio
 President, Society of Women Engineers
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The Society



Founded in 1950, the Society of Women Engineers (SWE) is the driving force that establishes engineering as a highly desirable career aspiration for women.

SWE empowers women to succeed and advance in those aspirations and receive the recognition and credit for their life-changing contributions and achievements as engineers and leaders.

SWE Structure

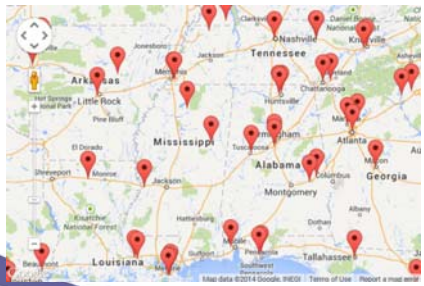
Society of Women Engineers
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- ◆ A multi-disciplinary educational and scientific 501(c)(3)
- ◆ Membership organization
 - All engineering and technology disciplines
 - Women and men
- ◆ 26,000+ members (60% collegiate students)
- ◆ 10 regions for the U.S. and Puerto Rico
 - 300 Collegiate
 - 100 Professional Sections
- ◆ International members and affiliates

<http://www.swe.org>


Rural & Urban Access

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Changing the Conversation Messaging

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- ◆ Utilize National Academy of Engineering's Changing the Conversation (CTC) messaging
- ◆ Part of "Be That Engineer" outreach brochure
- ◆ Also a stand-alone poster
- ◆ Available from the SWE Store
 - download images from www.swe.org

<http://www.engineeringmessages.org/>

Invent it. Build it.


A hands-on engineering experience for middle school girls with a parallel program for parents and educators

Held at annual conference



ExxonMobil | Invent it, Build it, it makes possible through a generous grant from the ExxonMobil Foundation.



How Engineers Get Involved with Outreach



WOW!
That's Engineering!

Where girls experience how creative and innovative engineering can be.

<http://www.youtube.com/watch?v=seUaaXrNDaWU>


TOGETHER, LET'S PUT ENGINEERING WITHIN REACH OF ALL GIRLS.

Outreach 4Δ

- ◆ Make engineering a possibility for girls of all races and ethnicities
- ◆ Collaboration of four leading professional societies
 - American Indian Science and Engineering Society (AISES)
 - National Society of Black Engineers (NSBE)
 - Society of Hispanic Professional Engineers (SHPE)
 - Society of Women Engineers (SWE).

Created with funding from the National Science Foundation

Outreach 4Δ Course
Launched December 2013




- ◆ Crafted to assist professional engineering societies reach girls of all races and backgrounds
- ◆ Three primary objectives:
 1. Identify gender and cultural inequities
 2. Analyze the challenges and barriers in various outreach practices
 3. Help organizations evaluate the capacity and impact of their K-12 outreach programs in engineering
- ◆ Areas of Focus:
 - Challenges in Outreach
 - Assessment as an Imperative
 - Developing Effective Programs
 - Call to Action
- ◆ Length: 90 Minutes


Take the training and learn more at <http://swe-learn.articulate-online.com/8951662954>

Created with funding from the National Science Foundation

SASS-E GIRLZ



The Skills...The Attitude...The Science...The Smarts...
for Engineering




The Society of Women Engineers and School Counselors Working Together to Promote Girls' Interest in Engineering Careers

A package of materials which allow SWE members to partner with school counselors to educate girls on the field of engineering

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Funded by the Dorothy M. and Earl S. Hoffman Trust

SASS-E Girlz



Package includes:

- ◆ SWE member guide providing important information about collaborating with local schools/counselors and working with middle school girls
- ◆ Step-by-step counselor guide for lesson implementation
- ◆ Student hand-outs for completion during the lesson
- ◆ Hand-outs for parents

Funded by the Dorothy M. and Earl S. Hoffman Trust

Scholarship Program



Addresses "lack of financial resources" which is a major obstacle for women pursuing engineering degrees*

Funded by corporations and individuals



Supports

- ◆ Undergraduate studies
- ◆ Graduate studies
- ◆ Students returning to complete degrees

Awarded over \$570,000 in scholarships in 2013

*CAWMSET Study, September 2009-www.nsf.gov/od/cawmset/start.htm

Job Market



- ◆ If you've got the jobs but not the people, the jobs won't stay
- ◆ Community college support
- ◆ Educational reimbursement



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