

**AWE Survey Instruments and support materials**

*Diversity Activity Surveys (paper and online versions available)*

- Longitudinal Assessment of Engineering Self Efficacy (LAESE)
- Undergraduate Mentor Instruments
- Undergraduate Mentee Instruments
- Undergraduate PDQ (Pretty Darn Quick) Leadership Instrument
- Undergraduate PDQ (Pretty Darn Quick) Participant Instrument

*Retention Surveys (paper and online versions available)*

- Students Persisting in Engineering Instrument
- Students Leaving Engineering Instrument

*Classroom Environment Surveys (AWISE) (online; available Fall 2008)*

- Faculty Surveys
  - Faculty Background Instrument
  - Faculty Inventory of Classroom Activities
- Student Surveys
  - Student Background Instrument
  - Classroom Activities & Outcomes Survey Team Instrument
  - Classroom Activities & Outcomes Survey Non-Team Instrument

*Pre-College Recruiting Surveys (revision in collaboration with National Girls Collaborative Project), available in three versions, Engineering, Science, and Computer Science; online available Fall 2008).*

- College Choice Survey (developed in conjunction with University of Texas-Austin)
- High School Self-Efficacy (developed in conjunction with Female Recruits Explore Engineering (FREE) Project)
- Surveys for Middle School-Aged Participants
  - Pre Survey
  - Immediate Post Survey
  - 3-6 month Post Survey
- Surveys for High School Aged-Participants
  - Pre Survey
  - Immediate Post Survey
  - 3-6 month Post Survey
- Optional Question Modules
  - Rating Scales for Sense of Community
  - Hands-on Activities/Projects
  - Presentations (lecture-style)
  - Presenter and Activity/Presentation Combined
  - Rating Scales for Recruiting
  - Rating Scales for Branding and Recruiting
- Additional Pre-College Tools
  - Outreach Activity Observer Form
  - Pre-College Survey Implementer Guide

## Research Access Tools

*AWE-CASEE Applying Research to Practice (ARP) Resources*

*AWE and the National Academy of Engineering Center for Advancement of Scholarship on Engineering Education (CASEE) are jointly developing ARP Resources. Proposals for are welcome. See: <http://www.engr.psu.edu/awe2/misc/LitOverviewsProposals.aspx>.*

*Existing AWE Literature Overviews or CASEE Information Sheets*

Attribution Theory

Career Development Theory for Women in Engineering

Cooperative Learning

Family Influence on Engineering Students

Visual Spatial Skills

The Use of Questions in the Classroom

Changing Problem-Solving in Engineering Courses

*New AWE-CASEE ARP Resources in development:*

Gender Differences in Math Performance (under revision)

Gender Differences in Science Achievement

Mentoring and Women in Engineering (under revision)

Psychological Sense of Community for Women in Engineering (under revision)

Self-Authorship (in development)

Self-Efficacy and Women in Engineering (under revision)

Stereotype Threat: Causes, Effects, & Remedies (under revision)

Motivational Factors: Self-Efficacy and Academic Self-Confidence (under revision)

Recruitment and Retention of Minority Students

## Data Management and Collection Tools

*Excel data collection templates for pre-college outreach (under revision)*

*ADAPT (AWE Database for Activity and Participant Tracking) (Beta version)*

## AWE Assessment Workshops & Webcasts

*Upcoming Workshops*

"SWE AWE: Train the Trainer" (working title), SWE National Conference, 2008.

Texas Girls Collaborative Project Fall Forums (T. Berry)

*Past Workshops & Podcasts*

"Adapting and Using Tools from the Assessing Women and Men in Engineering (AWE) Project", June 16, 2008. (T. Berry)

"Assessing Effectiveness: Do Your Program Activities Make a Difference?" STEM Equity Pipeline, May 21, 2008. (T. Berry)

"Using the Data: How to Plan, Develop and Use Program Evaluation to Build a Better Program", National Girls Collaborative, Webcast, 2008

"Make Assessment Work for You", Society of Women Engineers 2007 National Conference

"Good Assessment = Success: Developing Assessment Based Outreach", National Girls Collaborative, Web and Pod cast, 2007

"Assessment as a Capacity Building Tool to Develop Systematically Planned and Implemented Activities" WEPAN 2004, 2005, 2006 National Conferences

"AWE Tools for Assessing Engineering Outreach Projects for Girls" SWE National Conference, 2005

"Outreach Assessment", ASEE Annual Meeting, 2005

"AWE Assessment Tools", Center for Research on Teaching and Learning, Webcast, 2004

"Assessment and Evaluation as Tools for Systemic Change". NSF Division of Human Resource Development Joint Annual Meeting (JAM), 2004

For more about SWE AWE visit [www.AWEonline.org](http://www.AWEonline.org).