

# REACHING NEW LEVELS OF SUCCESS 2009 ANNUAL REPORT



# FY2009 ANNUAL REPORT

# **Contents**

Leadership Letter	Page 1
Outreach and Scholarships	Page 2
Awards	Page 3
Corporate Partnership Council	Page 4
Corporate Sponsorships	Page 5
Financials	Page 6
Sponsors	Page 7
Donors	Page 8-9



# **Our Mission**

The Society of Women Engineers stimulates women to achieve full potential in careers as engineers and leaders, expands the image of the engineering profession as a positive force in improving the quality of life, and demonstrates the value of diversity.

ASPIRE · ADVANCE · ACHIEVE

# **Reaching New Levels of Success**

For nearly six decades, the Society of Women Engineers (SWE) has been dedicated to advancing women in engineering and technology. SWE is the driving force that provides the resources and support that women need to realize their dreams and excel in the workplace. 2009 was no exception.

This year SWE introduced the President's blog to the SWE website and employed social networking sites such as Facebook, Twitter and LinkedIn to strengthen connections among more than 20,000 collegiate and professional members. Our social networking strategy helped us realize record attendance for the WE08 conference, reaching 6,000 attendees and more than 275 Career Fair exhibitors. With our success, we launched international pilot programs in Germany, Japan, Nigeria and India and created an overarching professional development strategy to expand programming in key areas such as leadership and career development.

SWE leveraged new messaging for outreach communications from a report released by the National Academy of Engineering (NAE) titled, "Changing the Conversation." The report highlighted a need for the engineering community to change our messages to the public—particularly young people—to attract more talent. Eager to benefit from the NAE research, SWE's outreach materials are adopting the recommended messaging. In addition to our new communication initiatives, and with the outstanding support from individuals, SWE sections, corporations and foundations, SWE awarded a record-breaking \$470,000 scholarship awards to aspiring leaders.

SWE continued as a proactive force in public policy advocacy. On February 24, SWE held a Congressional briefing in conjunction with the House of Representatives Diversity and Innovation Caucus entitled, "The Dearth of Women in Academic Science and Engineering: Proactive Strategies for Improvement." Later in the year, SWE provided testimony at the House Committee on Science and Technology and the Subcommittee on Research and Science Education hearing titled, "Encouraging the Participation of Women in STEM Fields."

2009 was a breakthrough year—the work of our entire organization reached new levels of success and the Society realized solid financial results. With the strong and significant support of our members and partners, SWE continues to advance women engineers around the world.



Virginia C. Connolly, P.E. SWE FY09 National President



Betty Shanahan, CAE

Executive Director and CEO

#### **FY09 Outreach**

SWE outreach efforts reached new heights in FY09, starting with the introduction of SASS-E (Skills, Attitude, Science, Smarts for Engineering) Girlz, a program funded by Dorothy M. and Earl S. Hoffman that connects SWE outreach volunteers with middle school counselors to help educate girls about engineering careers.

Together with AWE, Assessing Women and Men in Engineering, SWE enhanced the measurement of outreach activities this past year. Supported by a grant from the National Science Foundation (NSF), AWE provides tools to help those involved in K-12 outreach effectively measure the impact of their work. AWE resources are available at swe.org/awe.

In its third year, the Wow! That's Engineering!® events program also continued to make an impact. In keeping with the National Academy of Engineering's "Changing the Conversation" report findings, SWE refocused outreach event activities to help members position engineering to young girls as a career that makes a difference in the world. For more information on SWE outreach activities, visit swe.org/aspire.

# **FY2009 Scholarships**

#### Freshman/Reentry

Admiral Grace Murray Hopper Memorial Bertha Lamme Memorial B.J. Harrod BK Krenzer Memorial Reentry Dorothy M. & Earl S. Hoffman Exelon Corporation Ford Motor Company Lockheed Martin Corporation Northrop Grumman Foundation Olive Lynn Salembier Reentry Solar Turbines SWE New Jersey Section SWE Phoenix Section

#### **Upper Class and Graduate**

Ada I. Pressman Memorial B.K. Krenzer Memorial Baker Hughes **Bechtel Corporation** Booz Allen Hamilton Boston Scientific Brill Family Caterpillar Inc. Chevron Corporation Chrysler, LLC Cummins Inc. Dell Inc. Dorothy Lemke Howarth Memorial Dorothy P. Morris **DuPont** Electronics for Imaging Elizabeth McLean Memorial Ford Motor Company

General Flectric Women's Network (GEWN) **General Motors** Goldman Sachs, & Co. The Henry Luce Foundation-Clare Boothe Luce Graduate Fellowship Honeywell International Inc. **IBM** Corporation **Intel Corporation** Ivy M. Parker Memorial Jill S. Tietjen, P.E. Judith Resnik Memorial The Kellogg Company Lehman Brothers Lillian Moller Gilbreth Memorial **Lockheed Martin Corporation** Lydia I. Pickup Memorial Mary V. Munger Memorial

MASWF Memorial Meridith Thoms Memorial Microsoft Northrop Grumman Foundation Past Presidents **Rockwell Automation Rockwell Collins** Susan Miszkowicz Memorial SWE Baltimore-Washington Section SWE Central Indiana Section SWE Central New Mexico SWE Mid-Hudson Section SWE Region H SWE Rocky Mountain Section SWE University of Alabama Section United States Steel Verizon Foundation



### 2008 National Conference: New Look. New Record.

The success of WE08 was impressive, with the registration of nearly 6,000 and more than 250 companies, universities and government agencies; all gathered in Baltimore, MD. The conference theme "Women Leading the Technical Revolution" served as a foundation for three days of networking, workshops, sessions and other activities. WE08 was commemorated in videotaped comments by attendees, based on the question "Why SWE?" to capture the SWE experience and to serve as inspiration for current and future SWE members.

# Congratulations to the FY2009 SWE Award Recipients

#### **Achievement Award**

Aslaug Haraldsdottir, Ph.D.; The Boeing Company

#### **Upward Mobility Award**

Joanne Maguire; Lockheed Martin Space Systems Company

#### **Rodney D. Chipp Memorial Award**

Craig Barnes; Cummins Inc.

Neil Gillespie; Booz Allen Hamilton

Rear Admiral W.G. Shear, Jr.;

Naval Facilities Engineering Command

#### **Resnick Challenger Medal**

Margot L. Wasz, Ph.D.; The Aerospace Corporation

# Distinguished Engineering Educator Award

Amanie Abdelmessih, Ph.D.; Saint Martin's University

#### **Emerging Leader Award**

#### Academia

Soh Khim Ong, Ph.D.; National University of Singapore

#### **Manufacturing and Construction**

Amy Benecke McLaren, P.E.;

Peoria County Highway Department

#### **Product Research, Design and Engineering**

Stefanie Chiras, Ph.D.; IBM

#### Quality

Jennifer Bly, Ph.D.; Intel

Safety, Health and Environment Julie Rolffs; Caterpillar Inc.

#### Sales and Marketing

Peggy Panagopoulos Flaherty; ITT Industries

#### **Systems Engineering**

Lt. Cmdr. Michelle Lee Nakamura; U.S. Navy

#### **Fellow Grade**

Toni L. Doolen, Ph.D.; School of Mechanical, Industrial, and Manufacturing Engineering, Oregon State University

Marge Inden; Morgan Stanley Smith Barney Sandra Postel; Boeing Commercial Airplanes Michelle Tortolani; Northrop Grumman Electronics Janet L. Williams; Sandia National Laboratories

#### **Distinguished New Engineer Award**

Diana LaFortune; Northrop Grumman

Mary Perkinson; Northrop Grumman Shipbuilding

Jessica Rannow; Cardinal Health

Reena Singhal Lee; Google Partner

**Solutions Organization** 

Patricia Walker; Jacquelyn's Photography

#### **Outstanding Counselor Award**

Diana Madden; Schiller and Hersh Associates, Inc.

#### **Outstanding Faculty Advisor Award**

Candace S. Sulzbach, P.E.; Colorado School of Mines

#### **Outstanding Collegiate Member Award**

Martha Addison, University of Alabama

Sarah Grano, University of Alabama

Chelsea Ryberg, Seattle University

Kristina Wang, University of Colorado

at Boulder

Jessica Wood, University of Illinois at Urbana-Champaign

# **Corporate Partnership Council (CPC) Delivers New Levels of Support**

In 2008, the members of SWE's CPC set forth a strategic plan, including five key areas of focus that would increase the value of CPC membership. Progress on those key areas continued in FY09 including: development and distribution of communication tools to assist in gaining executive commitment for involvement with the CPC; development and implementation of a rapid prototyping tool for best practices; adoption of a governance model; and acceptance of rules of engagement for the Council. Work continues on a new work paradigm that will lead to greater retention of women in the engineering workforce.

#### CPC member, GE Women's Network, receives FY09 President's Award

The SWE President's Award honors organizations that make significant contributions to women in engineering. This year's recipient is the General Electric (GE) Women's Network, which was created to assist the women at GE advance their careers and develop leadership skills. The Network was honored for their generous support of SWE's scholarship program. In the past four years, the Women's Network raised \$250,000 in support of SWE scholarships.

#### SWE Honors 60 Years of Successful Women Engineers through A Commemorative Journal, Supported By CPC

In celebration of their 60th anniversary SWE is publishing a journal honoring women pioneers and trailblazers in the engineering and technology field. Supported by funding from the CPC together with IBM Corporation (also a CPC member), the journal is comprised of peer-reviewed articles that will explore several themes including identity, diversity and international issues.

#### 2009 CPC Members

3M

Abbott

Agilent Technologies

Amgen Inc.

**BAE SYSTEMS** 

Baker Hughes

Bank of America

Bechtel Corporation

The Boeing Company

Booz Allen Hamilton

**Boston Scientific** 

BP

Caterpillar Inc.

Central Intelligence Agency

Chevron

Chrysler LLC

Cisco Systems, Inc.

The Clorox Company

ConocoPhillips

Cummins Inc.

Dell Inc.

Disney

The Dow Chemical Company

DuPont

**Exelon Corporation** 

**Exxon Mobil Corporation** 

FM Global

Ford Motor Company

Genentech

General Electric Company

General Motors Corporation

Goldman, Sachs & Co.

Honeywell International Inc.

HP

**IBM** Corporation

**Intel Corporation** 

ITT Corporation

John Deere

The Kellogg Company

Kimberly-Clark Corporation

Lockheed Martin

LyondellBasell Industries

Medtronic

Merck

Northrop Grumman Corporation

Raytheon

**Rockwell Automation** 

Rockwell Collins

Shell Oil Company

Southern Company

Symantec

Texas Instruments

**US Army RDECOM** 

**US Navy** 

**United States Steel** 

United Technologies Corporation



# **FY2009 Sponsorships**

SWE's mission is advanced every day through the dedication, effort and innovation of SWE members, combined with crucial financial support from corporations, foundations and individuals who endorse SWE's mission and objectives. By working closely with each organization, we can design a sponsorship package that meets the needs of both the sponsoring organization and the Society.

#### **Corporate Partnership Council (CPC)**



CPC members provide assistance to SWE through consultation with SWE leadership, sharing insight on industry trends and developments, and supplying financial support for innovative projects as well as operations and infrastructure of the Society. Each CPC member commits a minimum of \$30,000 annually, applied to SWE activities of its choice (including unrestricted support).

#### **Corporate Membership**

A corporate membership shows commitment to diversity and support for professional development of women in the organization. SWE's corporate membership is available to any corporation, educational institution or government entity that supports the mission and objectives of the Society. A \$3,000 Corporate Membership package includes:

- Nine individual SWE memberships for employees
- Full conference registrations for three of the sponsored employees
- Best practices sharing through formal sessions

#### **National Conference Sponsorship**



The SWE Annual Conference is SWE's premier event for professional development, networking and career advancement for both professional and collegiate members.

A conference sponsorship enables SWE to offer high-value, high-impact programming for all members and significant subsidies for participation by collegiate members.

#### **Programs and Initiatives**

Programs and initiatives support SWE's objectives to launch or sustain programs that provide vital services to members, from college and entry-level engineers to senior executives, and reach girls at all ages to interest them in engineering and technology. At the same time, activities provide high visibility for the sponsors and address specific goals for the sponsors. Key target areas are:

- K-12 educational outreach
- · Collegiate outreach and scholarships
- · Professional development
- · Diversity and inclusion
- · Leadership training
- Awards and recognition

#### **SWE** Magazine Heritage Club Advertising



SWE, our award-winning magazine, is published five times annually and provided to members in print and online versions. It contains articles geared to both professional and collegiate members to inspire, provide industry information and relay news about the Society. Companies and organizations committed to advertising consistently in each issue

of the magazine become Heritage Club members, which allows SWE to deliver a high-quality publication year after year.

Listings of SWE CPC members, corporate members, conference sponsors and SWE Magazine Heritage Club members are on page 7.

# **FY2009 Financials**

Society Statement of Financial Position					
	2009 Total	2008 Total			
Cash/Investments	\$7,510,480	\$7,995,557			
Accounts Receivable	322,025	443,345			
Prepaid Expenses	347,193	279,298			
Net Fixed Assets	79,150	48,234			
Total Assets	\$8,258,848	\$8,766,434			
Liabilities & Accounts Payable	\$514,140	\$504,832			
Deferred Revenues	1,709,313	1,907,032			
Unrestricted Net Assets	4,496,549	4,881,104			
Temporarily Restricted Net Assets	1,538,846	1,473,466			
Total Liabilities & Net Assets	\$8,258,848	\$8,766,434			

Society Statement of Revenues and Expenses					
	Unrestricted	Temporarily Restricted	2009 Total	2008 Total	
Revenues					
Dues	\$910,927	\$0	\$910,927	\$858,802	
Other	293,101	2,697	295,798	507,412	
Conference	3,566,776	0	3,566,776	2,988,401	
Programs & Services	541,254	615,341	1,156,595	1,696,733	
Publications	1,246,862	0	1,246,862	1,271,357	
Net Assets Released from Restrictions	552,658	(552,658)	0	0	
Total Income	\$7,111,578	\$65,380	\$7,176,958	\$7,322,705	
Expenses					
Management	\$373,256	\$0	\$373,256	\$483,942	
Administrative	1,810,862	0	1,810,862	1,532,130	
Conference	2,589,425	0	2,589,425	2,153,573	
Programs & Services	1,150,350	0	1,150,350	1,561,904	
Membership	425,094	0	425,094	475,163	
Publications	860,060	0	860,060	881,453	
Relations	287,086	0	287,086	187,869	
Total Expenses	\$7,496,133	\$0	\$7,496,133	\$7,276,034	
Revenue-Expenses	(\$384,555)	\$65,380	(\$319,175)	\$46,671	

Consolidated Net Assets				
	6.30.09	6.30.08		
Society				
Contingency Reserve	\$3,067,033	\$3,322,356		
Restricted Grants	1,145,697	1,077,123		
General Operating	217,018	539,758		
Annual Conference	977,351	834,828		
Sponsored Scholarships	393,149	396,343		
Corporate Partnership Council	235,147	184,162		
Total Society Net Assets	\$6,035,395	\$6,354,570		
SWE-EFI Unrestricted	\$1,630,385	\$1,918,957		
SWE-EFI Temporarily Restricted	1,383,475	1,941,443		
SWE-EFI Permanently Restricted	1,981,764	1,781,571		
Total Net Assets	\$11,031,019	\$11,996,541		

# **Support that Generates Success**

#### \$20,000+ Sponsorship

BP

Central Intelligence Agency Chevron

Cummins Inc.

Dell Inc. **EMC** Corporation

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Genentech **IBM** Corporation

Intel Corporation

The Kellogg Company Kimberly-Clark Corporation Lockheed Martin Corporation

Northrop Grumman Corporation

Ravtheon

Sandia National Laboratories

Strvker U.S. Navy

#### \$15,000-\$19,999 **Sponsorship**

DuPont **Exelon Corporation** 

Merck

Texas Instruments

#### **National Conference Sponsors**

#### \$10.000-\$14.999 **Sponsorship**

BAE Systems S.D. Bechtel, Jr. Foundation The Boeing Company Booz Allen Hamilton ConocoPhillips

Cornell University - Johnson Graduate School of Management

The Dow Chemical Company **ITT** Corporation

Pitney Bowes Southern Company

State Farm Insurance Companies

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#### \$5,000-\$9,999

Barclavs Capital DE Shaw & Co., L.P. FM Global Illinois Tool Works Rockwell Automation Rockwell Collins URS

U.S. Cellular

#### Up to \$5,000

**Bechtel Corporation Boston Scientific** The Clorox Company Corning Incorporated General Electric Company Goldman, Sachs & Co. Microsoft Corporation Proctor & Gamble

Schlumberger Technology Corporation

**Turner Construction** 

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#### **Heritage Club Members**

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**Exxon Mobil Corporation** 

Fluor Corporation General Dynamics Goldman, Sachs & Co. Hess Corporation IBM Corporation Illinois Tool Works

Intel Corporation

Johns Hopkins University Applied

Physics Laboratory Lockheed Martin Medtronic

MIT Lincoln Laboratory National Security Agency

NAVAIR Schlumberger US Navy United States Steel

#### **Corporate Members**

3M

Abbott

The Aerospace Corporation

Agilent Technologies Alstom

Ametek Argonne National Laboratory

Autodesk, Inc **BAE SYSTEMS** 

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B/E Aerospace, Inc. **Bechtel Corporation** The Boeing Company Booz Allen Hamilton **Boston Scientific** 

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CB&I Chevron

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Jacobs Engineering Group

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9



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