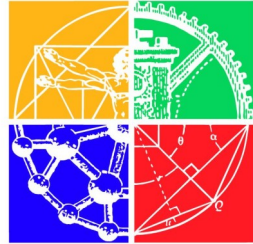


1919 Herbert Hoover • 1922 Robert Woolston Hunt • 1924 Arthur Newell Talbot • 1925 Jonas Waldo Smith • 1926 John Watson Alvord • 1927 Orville Wright • 1928 Michael Idvorsky Pupin • 1929 Bion Joseph Arnold • 1930 Mortimer Elwyn Cooley • 1931 Ralph Modjeski • 1932 William David Coolidge • 1935 Ambrose Swasey • 1936 Charles Franklin Kettering • 1937 Frederick Gardiner Cottrell • 1938 Frank Baldwin Jewett • 1939 Daniel Webster Mead • 1940 Daniel Cowan Jackling • 1941 Ralph Budd • 1942 William Lamont Abbott • 1943 Andrey Abraham Potter • 1944 Henry Ford • 1945 Arthur Holly Compton • 1946 Vannevar Bush • 1947 Karl Taylor Compton • 1948 Ralph Edward Flanders • 1949 John Lucian Savage • 1950 Wilfred Sykes • 1951 Edwin Howard Armstrong • 1952 Henry Townley Heald • 1953 Gustav Egloff • 1954 Lillian Moller Gilbreth • 1955 Charles Erwin Wilson • 1956 Robert E. Wilson • 1957 Walker Lee Ciser • 1958 Ben Moreell • 1959 James R. Killian, Jr. • 1960 Herbert Payne Sedwick • 1961 William V. Kahler • 1962 Alexander Crawford Monteith • 1963 Philip Sporn • 1964 John Slezak • 1965 Glenn Theodore Seaborg • 1966 Augustus Braun Kinzel • 1967 Frederick Lawson Howde • 1968 James Brown Fisk • 1969 Nathan M. Newmark • 1970 H.G. Rickover • 1971 William Littell Everitt • 1972 Thomas Otten Paine • 1973 John A. Volpe • 1974 John D. deButts • 1975 David Packard • 1976 Ralph B. Peck • 1977 Michael Tenenbaum • 1978 Dixy Lee Ray • 1979 Marvin Camras • 1980 Neil A. Armstrong • 1981 John E. Swearingen • 1982 Manson Benedict • 1983 John Bardeen • 1984 Robert W. Galvin • 1985 Stephen D. Bechtel, Jr. • 1986 Mark Shepherd, Jr. • 1987 Grace M. Hopper • 1988 F. James McDonald • 1989 Sherwood L. Fawcett • 1990 John H. Sununu • 1991 Frank Borman • 1992 Leon Max Lederman • 1993 William States Lee • 1994 Kenneth H. Olsen • 1995 George W. Housner • 1996 Wilson Greatbatch • 1997 Frank Kreith • 1998 John R. Conrad • 1999 Jack S. Kilby • 2000 Donna Shirley • 2001 Dan Bricklin & Bob Frankston • 2002 Richard J. Robbins • 2003 Eugene A. Cernan • 2004 Nick Holonyak, Jr. • 2005 Robert S. Langer • 2006 Henry Petroski • 2007 Michael J. Birck • 2008 Dean Kamen • 2009 Clyde N. Baker, Jr.

Chicagoland Engineers Week



**ENGINEERS
WEEK® 2010**
February 14 - 20

Turning Ideas Into Reality

The Need

Engineers Week is the public culmination of a year-round portfolio of programs and is always held around the week of George Washington's birthday. The nation's first president had the background of an engineer and land surveyor and established the first call for an engineering school, which led to the founding of West Point.

Engineers Week promotes recognition among parents, educators and students of the importance of a technical education

The National Engineers Week Foundation, a formal coalition of more than 100 professional societies, major corporations and government agencies, is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers among young students and by promoting pre-college literacy in math and science. Engineers Week also raises public understanding and appreciation of engineers' contributions to society. Founded as "National Engineers Week" in 1951 by the National Society of Professional Engineers (NSPE), it is among the oldest of America's professional outreach efforts. To reflect the global nature of engineering and Engineers Week partners, the Foundation eliminated "National" in the Week's name.

Chicagoland Engineering Awards Banquet

February 19, 2010,

University Club of Chicago, 5:30 pm

This is the culmination of a week's worth of celebration of the profession and of engineers. This event recognizes the student winners of the various competitions and offers engineers the opportunity to network and experience fellowship with other engineers, clients, and civic leaders.

The Washington Award, one of the first national engineering awards, was developed in 1916. It is named after George Washington, as a reminder that the nation's first president was an engineer whose achievements have advanced the welfare of humanity.

Accepting the **2010 Washington Award** is Dr. Alvy Ray Smith. He cofounded or was present at the beginning of four centers of computer graphics excellence: Altamira, Pixar, Lucasfilm, and New York Tech. After that, he became the first Graphics Fellow at Microsoft, 1994-99, and before the four centers he was Visiting Scientist with Xerox PARC (Palo Alto Research Center) ('74), and a professor of computer science at New York University ('69-'73) and the University of California at Berkeley ('74). He worked briefly with Jim Blinn at Cal Tech's Jet Propulsion Laboratory in 1979 on special effects for Carl Sagan's Cosmos series for public television.

Dr. Smith holds a PhD in computer science from Stanford University. He received an honorary doctorate from New Mexico State University, his undergraduate alma mater.

His product, Altamira Composer, introduced the concept of image objects (sprites) to the personal computer imaging world. Sprites are based on the alpha channel concept, which he co-invented and for which he shares a 1996 technical Academy Award. He was awarded a 2nd technical Academy Award in 1998 for digital paint systems as a fundamental contribution to filmmaking.

He directed the first use of full computer graphics in a successful major motion picture, Star Trek II: The Wrath of Khan, while at Lucasfilm. He directed John Lasseter, his first computer graphics film, The Adventures of Andre & Wally B. which has been exhibited at the Museum of Modern Art in New York City. The team he formed for these pieces later proceeded to create Tin Toy, the first computer animation ever to win an Academy Award, and the first completely computer-generated film, Toy Story, Disney's Christmas '95 release and also an Academy Award winner. He gave Pixar its name (an invented Spanish verb meaning, "to make pictures").

He initiated and negotiated the Academy-Award-winning CAPS (Computer Animation Production System) project between Pixar and Disney, the hardware and software system that Disney now uses for full production of all its "traditional" 2D animated feature films. He was a Regent for four years for the National Library of Medicine, where he was instrumental in inaugurating the Visible Human Project.

He is Trustee Emeritus of the New England Historic Genealogical Society in Boston. He speaks on the subject of the digital simulation of human actors, hence certain aspects of consciousness. He is interested currently in growing plants algorithmically.

Chicagoland Engineers Week

Locally, there are a variety of activities designed to stimulate interest in engineering careers and to raise awareness of the profession.

Each year, hundreds of middle to high school aged students participate in a variety of mathematic and science programs and competitions. Forty-five of the top achievers get the opportunity to attend an awards banquet to meet distinguished members of the engineering profession and to receive accolades and other gifts and rewards. Many who participate in an Engineers Week program will go on to a career in engineering. And those who don't will have caught a glimpse of the important work engineers do and the career heights they can achieve.

Chicagoland Engineers Week Vision

Stimulate junior and senior high school students to consider careers in engineering, especially through hands-on school projects.

Highlight the contributions of engineers to the well being of society,

Participating Organizations

- ✓ **Future City Competition.** Junior High students create a city of the future, complete with transportation, housing, recycling and other key systems. The winning team goes on the national competition in Washington, D.C.
- ✓ **Bridge Building Contest.** High School students design, build and test bridges to withstand the highest loading given certain criteria. Regional winners will advance to the International Competition held in Chicago.
- ✓ **FIRST Robotics Competition.** Teams of young people and their mentors are challenged to solve a common problem in a six-week timeframe using a standard "kit of parts" and a common set of rules. Teams build robots from the parts and enter them in competitions designed by Dean Kamen, Dr. Woodie Flowers, and a committee of engineers and other professionals.
- ✓ **Essay/Poster Contest.** Sponsored by AAAEA, and open to all students in 3rd—8th grades. Students submit an essay and a poster about an engineer that they admire or have made an impact on their life. This contest stimulates students to consider careers in engineering by fostering interest in engineering through research, essay writing, creating a poster, & interacting with engineers.
- ✓ **Illinois Science Fair.** Organized by the Illinois Academy of Science, some 1,000 student projects compete for four state awards and then eventually participate in nationals.
- ✓ **Destination ImagiNation, Inc.**
A Career Education Initiative featuring the "Construction Challenge" that helps develop the workforce of the future with teen participants competing and solving infrastructure, design, and service tech Challenges using teamwork, creativity and problem solving.

Representative Student Activities

- ✓ **Argonne's Engineer Girl Day:**
www.dep.anl.gov/p_k-12/iged/
- ✓ **UIC events:** www.uic.edu
- ✓ **IIT:** www.dupageeweek.iit.edu/
- ✓ **Northwestern University Women's Career Day:**
<http://msgroups.tech.northwestern.edu/swe/cdfg.html>

Be A Sponsor

Professional Society Rate: \$300 - \$500

- Dais seat at the CEW Awards Benefit
- Listing in program book

Dinner Sponsor: \$1,000

- 4 Tickets
- Listing in program book
- Sponsor 1 student

Bronze Sponsorship: \$2,000

- Table of ten at CEW Awards Benefit*
- Listing in program book
- Listing on website
- Sponsor 2 students

Silver Sponsorship: \$3,500

- Table of ten at CEW Awards Benefit*
- 1/4 page ad in program book
- Listing on website
- Sponsor 4 students

Gold Sponsorship: \$5,500

- Table of ten at the CEW Awards Benefit*
- 1/2 page ad in program book
- Hotlink from website
- Sponsor a table of 10 students

Platinum Sponsorship: \$10,000

- Two tables of ten at the CEW Awards Benefit*
- Full page ad in program book
- Hotlink from website
- Logo on CEW website homepage
- Photo opportunities at award presentation ceremonies
- Sponsor two tables of students

* Additional tickets are available for \$100 each.

A mailing on Engineers Week and the Chicagoland Engineering Awards Benefit is planned for January 2010.

Sign Up

Your support is needed to fund the thousands of area schoolchildren in national engineering competitions and to take our word to the public. We have maintained consistent funding levels over the last five years. Your support is needed.

Support Level

- Professional Society \$300 - \$500
- Dinner Sponsor \$1,000
- Bronze Sponsor \$2,000
- Silver Sponsor \$3,500
- Gold Sponsor \$5,500
- Platinum Sponsor \$10,000

Name _____
Title _____
Company _____
Address _____
City _____
State _____ Zip _____
Phone _____
Fax _____
E-mail _____

Check enclosed \$ _____

**Deadline for program listing
February 8th.**

Send me information on:

- Ordering Additional Benefit Tickets**
(\$100)

Volunteer Opportunities:

- CEW Committee
- Math Counts
- FIRST Robotics
- Future City
- Bridge Building Contest

Please detach and mail to: Chicagoland Engineers Week, c/o Western Society of Engineers, 1111 Burlington Ave., Ste. 102, Lisle, IL 60532. Phone: 630/724-9770. Fax: 630/241-0142. E-mail: wse@wsechicago.org.