

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 Cislter • 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. Gernan • 2004 Nick Holonyak, Jr. • 2005 Robert S. Langer • 2006 Henry Petroski • 2007 Michael J. Birek • 2008 Dean Kamen • 2009 Clyde Baker • 2010 Alvy Ray Smith • 2011 Martin C. Jischke

# Chicagoland Engineers Week



**ENGINEERS  
WEEK 2012**  
FEBRUARY 19-25

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

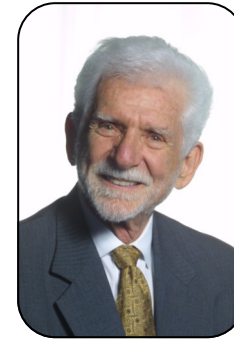
### Awards Banquet

**February 24, 2012,**

**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.



Martin Cooper is accepting the 2012 Washington Award for his contributions to the technology of personal wireless communications.

Martin Cooper is a pioneer in the wireless communications industry, an inventor, entrepreneur and executive. He has had been a contributor

to the technology of personal wireless communications for over 50 years He conceived the first portable cellular phone in 1973 and is cited in the Guinness Book of World Records for making the first cellular telephone call. Cooper knew then that people needed the freedom that comes from anywhere, anytime telephony in contrast to being tethered to a desk or a car. He has been referred to as the father of portable cellular telephony and is recognized as an innovator in spectrum management.

Cooper was a submarine officer in the U.S. Navy, a division manager and head of R&D for Motorola during a 29 year tenure. As an entrepreneur he has started a number of businesses including co-founding GreatCall, Inc., maker of the Jitterbug phone and service and ArrayComm, the world leader in smart antenna technology.

Cooper was an inaugural member of the WHF Wireless Hall of Fame, Red Herring magazine named him one of the Top 10 Entrepreneurs of 2000, the Wharton School of the University of Pennsylvania Business named him a Transformation Technology Change Leader and he is a recipient of the IEEE Centennial Medal. In 2010, he was inducted into the National Academy of Engineering and was awarded the Prince of Asturias Prize for Science and Technology. In March, 2011 Cooper was nominated for the "Mikhail Gorbachev: The Man Who Changed the World" Award.

Cooper holds a B.S. and an M.S. in Electrical Engineering and an honorary doctorate from the Illinois Institute of Technology on whose board he is a Life Trustee.

## 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/](http://www.dep.anl.gov/p_k-12/iged/)
- ◆ **UIC events:** [www.uic.edu](http://www.uic.edu)
- ◆ **IIT:** [www.dupageeweek.iit.edu/](http://www.dupageeweek.iit.edu/)
- ◆ **Northwestern University Women's Career Day:** <http://msgroups.tech.northwestern.edu/swe/cdfg.html>
- ◆ **MATHCOUNTS:** [www.mathcounts.org](http://www.mathcounts.org)

## Be A Sponsor

### Society Sponsor

#### Professional Society Rate: \$300 - \$500

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

### Corporate Sponsor

#### Dinner Sponsor: \$1,000

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

#### Bronze Sponsorship: \$2,000

- Table of ten at CEW Awards Benefit\*
- Listing in program book and on website
- Recognition Plaque
- Sponsor 2 students
- VIP Reception

#### Silver Sponsorship: \$3,500

- Table of ten at CEW Awards Benefit\*
- 1/4 page ad in program book and on website
- Recognition Plaque
- Sponsor 4 students
- VIP Reception

#### Gold Sponsorship: \$5,500

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

#### Platinum Sponsorship: \$10,000

- 2 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
- Recognition Plaque
- Sponsor two tables of students
- VIP Reception

\* Additional tickets are available for \$100 each.

*A mailing on Engineers Week and the Chicagoland Engineering Awards Benefit is planned for January 2012.*

## 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

### Society Sponsor

Professional Society \$300 - \$500

### Corporate Sponsor

- |   |  |
|---|--|
| <input type="checkbox"/> Dinner \$1,000 | <input type="checkbox"/> Gold \$5,500      |
| <input type="checkbox"/> Bronze \$2,000 | <input type="checkbox"/> Platinum \$10,000 |
| <input type="checkbox"/> Silver \$3,500 | <input type="checkbox"/> Other \$ _____    |

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Company \_\_\_\_\_

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State \_\_\_\_\_ Zip \_\_\_\_\_

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E-mail \_\_\_\_\_

Check enclosed \$ \_\_\_\_\_

**Deadline for program listing  
February 14th.**

Send me information on:

Ordering Additional Benefit Tickets (\$100)

Volunteer Opportunities: (please circle)

- |                                 |                  |
|---------------------------------|------------------|
| ◆ CEW Committee                 | ◆ Future City    |
| ◆ Bridge Building Contest       | ◆ FIRST Robotics |
| ◆ Destination ImagiNation, Inc. |                  |

**Please detach and mail to: Chicagoland Engineers Week, c/o Western Society of Engineers, 1111 Burlington Ave., Ste. 108-G, Lisle, IL 60532. Phone: 630/724-9770. Fax: 630/241-0142. E-mail: [wse@wsechicago.org](mailto:wse@wsechicago.org). Checks are payable to CEW/WSE.**