

ASCE NEWS

CENTURY-OLD WRONG RIGHTED

Pioneering woman
named a Fellow

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BIOENERGY PLANT NAMED FOR MEMBER

Water district honors
facility's engineer

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ASCE ♥ NY

**AMID THE FLURRY OF PEOPLE
AND FLASHING LIGHTS,**

the new ASCE Convention
was held in Times Square

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ASCE Ready to Dream Big

The light is green. ASCE's giant-screen film, *Dream Big: Engineering Wonders of the World*, is now in full production, thanks to the Bechtel Corporation, who signed on as presenting sponsor.

China, Haiti, Dubai, Scotland, Rome: Production crews are traveling the world to capture civil engineering at its finest and most spectacular. ASCE is working with award-winning filmmakers MacGillivray Freeman on the production, set to premiere February 2017.



DC Water Names New Facility for Longtime ASCE Member



Walter Bailey put 15 years of blood, sweat, and tears into the new anaerobic digester facility at the Blue Plains Advanced Wastewater Treatment Plant in Washington, DC. DC Water, in turn, put his name on it.

The new Bailey Bioenergy Facility in Washington, DC, opened Oct. 7, honoring Bailey, the recently retired assistant general manager at Blue Plains and ASCE member since 1982.

"He's not someone who seeks acclaim," DC Water CEO George Hawkins said. "He would never have asked to have his name put on a facility – just because he's not that style of person. He gets his worth from seeing work done well and putting teams together well.

"But it was just the right thing, and we're incredibly happy to be able to do that for him. Walt certainly deserves it."



Movers and Shakers

Name: Marcellus Pitts, M.ASCE

Location: Atlanta, GA

Job: CEO, Pitts Fowler Enterprises Inc.

Quote: "I love to see people live better, and that's what we do as civil engineers. I couldn't see myself being anything else."

GROUNDBREAKER



ASCE HONORS PIONEERING ENGINEER, SUFFRAGIST

After nearly a century, the first woman to seek full membership in ASCE officially has her due.

In August, ASCE's Executive Committee approved posthumous Fellow member status for Nora Stanton Blatch DeForest Barney, 99 years after the pioneering female engineer was denied full membership because of her gender.

Stanton Blatch DeForest Barney, a granddaughter of noted suffragist Elizabeth Cady Stanton, was one of the first women in America to earn a civil engineering degree, graduating from Cornell in 1905.

PATH TO PROGRESS

- **1916**
Nora Stanton Blatch DeForest Barney denied full ASCE membership
- **1927**
Elsie Eaves becomes first woman to gain full ASCE membership
- **2004**
Patricia Galloway is the first woman to serve as ASCE President
- **2016**
Robin Kemper and Kristina Swallow secure President-Elect nominations – the first ASCE presidential election to feature two women

Four of Stanton Blatch DeForest Barney's descendants were on hand at the 2015 ASCE Convention to accept the honors in her memory — granddaughter Coline Jenkins, grandson Morgan Jenkins, great-granddaughter Elizabeth Jenkins-Sahlin, and great-grandson Eric Jenkins-Sahlin. "I think it's a validation of Nora's struggle that it still makes sense to people," said Eric, who has been researching his great-grandmother as a Fulbright Fellow in China. "To have this honor, it feels wonderful. It's a real privilege, and I think it's an opportunity more than anything else to talk about these important issues."

LEARN MORE ABOUT NORA:

news.asce.org/asce-recognizes-stanton-blatch-barney-pioneering-civil-engineer-suffragist

WHAT'S ONLINE



WATCH:

Anthony Fasano, P.E., founder of The Engineering Career Coach, discusses the must-have core skills you need to succeed in a civil engineer career today. news.asce.org/recruiting-trends-in-civil-engineering



READ:

President's Perspective: Why Woodson says states need to understand the "clear danger" posed by deregulating. news.asce.org/a-license-to-engineer



WATCH:

For a quick review of what's happening lately in your Society, see "Now@ASCE," a new video roundup of top events and activities. news.asce.org/nowasce-a-video-roundup-of-whats-happening-at-asce



TWEET OF THE MONTH:

Younger Member Rachel Cary used social media to win a free ticket to next year's ASCE Convention in Portland.

Follow ASCE on Twitter [@ASCETweets](https://twitter.com/ASCETweets)



'DISRUPTIVE THINKING'

MAKES THE NEW ASCE CONVENTION A HIT



From the opening keynote speaker through a topical program broadly inclusive of all civil engineering specialties, the ASCE 2015 Convention in New York City was well received by attendees as a lively update of the Society's annual conference.

Luke Williams, professor of innovation at the New York University Stern School of Business and the bestselling author of *Disrupt*, a book outlining ways "disruptive thinking" can lead to innovation, shared in his keynote how civil engineering would benefit.

Updated technical sessions on topics including sustainable design and leadership proved popular, often standing room

only. "It's all about who [the speakers] are and what they're saying," said technical program chair Greg Scott. "They've been great, and you can see it in how people are responding."

Special events such as the opening reception that brought Chinatown to the Convention, and technical tours to Manhattan's Highline Park and to the Second Avenue Subway construction,



afforded attendees many great opportunities to get to know and network with fellow engineers.

The new Convention format proved popular with younger member attendees. "It's been really interesting and inspiring to be around so many people of a like mind," said Kimberly Lo, A.M.ASCE, a recent graduate of New York University's Polytechnic Institute who now works for an engineering contractor in New York.

ASCE NEWS ONLINE HAS ALL THE DETAILS ON THE CONVENTION AND ITS ACTIVITIES: news.asce.org/tag/asce-2015-convention



New president installed for 2016



Mark W. Woodson, P.E., F.ASCE, was inducted as ASCE's president at the Society's

annual convention in New York City. The president and owner of Woodson Engineering & Surveying Inc. in Flagstaff, AZ, Woodson began his 35-plus-year involvement with ASCE as a college student at the University of Arizona.

ASCE lays down Grand Challenge, stressing life-cycle costs



The forward-looking Convention served as a springboard for ASCE's new Grand Challenge

strategic initiative, urging civil engineers to make life-cycle costs a greater priority and to find ways over the next several years to drastically reduce such costs.

During the Industry Leaders Forum, a panel of innovation-oriented engineers from Google, Disney, and engineering firms shared their perspectives on how the Grand Challenge could be achieved.

Details on the Grand Challenge Innovation Contest and how to enter:
asce.org/innovation-contest

Highlights of activities in ASCE's 10 geographic Regions, as reported in the ASCE News Weekly newsletter's monthly Region news roundups.

MASSACHUSETTS The Boston Society of Civil Engineers Section and the ASCE Student Chapter at Merrimack College in North Andover, MA, strengthened ties recently with a visit to the chapter and presentation by Section Board member Rich Maher.

D.C. The National Capital Section has released its 2016 *Report Card for D.C.'s Infrastructure* and the marks for Washington aren't encouraging. ASCE members applied eight criteria to their grades of the area's infrastructure, and D.C. scored lowest in the categories of levees and transit.

NORTH DAKOTA The North Dakota Section was active during National Engineers Week. Section members engaged with students on Girl Day at North Dakota State University. Seminars and fun activities encouraged young women to enter the profession.

INDIANA A Purdue University junior pursuing civil engineering won the grand prize in ASCE's national *Dream Big* contest, promoting the inspirational giant-screen movie on engineering coming in 2017. Nathan Shellhamer won a trip for two to an international location shoot for the filming.

GEORGIA University of Georgia student Peter Akinosho is so excited about his potential career in civil engineering, he just has to tell you about it. For his entry to ASCE's *Dream Big* contest, he created a lively video celebrating the profession. See it at [ASCE News](#) online.



Leaders of sister civil engineering societies and other notable professionals from countries including Argentina, China, Egypt, Finland, Korea, Japan, Greece, Nigeria, and Vietnam led delegations to the ASCE 2015 Convention in New York City. Photo by David Hathcox for ASCE

TEXAS A team of middle-school students from Rockwall, Texas' Harbor View Academy won ASCE's award for Most Innovative Design of Infrastructure Systems at the 2016 Future City Competition finals in Washington, DC. They developed a waste management system for the town in the holiday movie classic "It's A Wonderful Life."

SOUTH DAKOTA The ASCE Student Chapter at the South Dakota School of Mines staged at a local mall an inspiring display for kids about engineering. Their "canstruction" sculptures of figures like Bob the Minion from the "Despicable Me" movies used 1,517 cans.

OREGON An Oregon Public Broadcasting documentary made with ASCE's help has won an award for how it explained the seismic vulnerabilities of the Pacific Northwest. The Western States Seismic Policy Council gave *Unprepared* its 2016 National Excellence Award for Innovations.

CALIFORNIA The Orange County Younger Member Forum recently hosted its annual Popsicle Stick Bridge Competition with the Los Angeles and San Bernardino/Riverside YMFs. The event brought together nearly 50 teams of high school students.

Successful Section-Branch-Younger Member Group events and activities can appear in your Region's roundup in *ASCE News Weekly*. Submit them to asce.org/localnews.

Awards

2015 Edmund Friedman Professional Recognition Award given to **Neal T. Wright, P.E.**, for his work across a 35-year career to enhance the registration and certification of engineers, and his lasting impact in assistance with military engineering veterans.

2015 John I. Parcel-Leif J. Sverdrup Civil Engineering Management Award given to **Nicholas M. DeNichilo, P.E.**, for his leadership stressing safe engineering practices and the need for resilient infrastructure while guiding the growth of Hatch Mott MacDonald as president and CEO.

2015 Innovation in Sustainable Civil Engineering Award given to the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island, Talbot County, Maryland for exemplifying best practices for sustainable and resilient design, construction, and management.



F.ASCE

Mark J. Carlson, P.E., Yannis Dafalias, Ph.D., Raghu Dass, Ph.D., P.E., Ahmad Habibian, Ph.D., P.E., Scott R. Hamilton, Ph.D., P.E.

Obituaries



Elio "D'App" D'Appolonia, Ph.D., P.E., Hon.M.ASCE, NAE, a giant of geotechnical and foundation engineering, has died at 97. A longtime Pittsburgh resident, D'Appolonia launched an engineering firm bearing his name in 1956. Among his notable projects was a velodrome for the 1976 Olympics in Montreal. He was Region 4 Director from 1987-1989.

Joseph D. D'Annunzio, P.E., F.ASCE, a former president of the Metropolitan Section as well as the North Jersey Branch, has died at 86. D'Annunzio began in his father's heavy construction firm, which built the nation's largest sewage treatment plant in 1977 and a Washington, DC, Metro station. In 1981, he founded D'Annunzio & Sons Inc., which worked on cleanup of New Jersey's first Superfund site, Pulaski Skyway, in Jersey City.



Gary Keefer, Ph.D, P.E., M.ASCE, chancellor of Pennsylvania State University's Beaver Campus for 16 years, has died at 63. The campus named a new health facility in his honor following his 2014 retirement. Previously, he was a University of Nebraska civil engineering professor.

He joined ASCE in 1985 and contributed many articles and research to ASCE publications.

Learn more about these members at news.asce.org.

FEBRUARY

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P.E. Exam Reviews begin
14- and 22-part courses available



14-17

Geotechnical and Structural Engineering Congress



First Geo-Institute and Structural Engineering Institute event

21-27

National Engineers Week



MARCH

9-12

Construction Institute Summit
Innovations in Construction theme



15-17

Legislative Fly-In
Washington, DC



17

2016 OPAL Gala
Outstanding Civil Engineering Achievement award revealed



14-18

ASCE Week Orlando
36 PDHs in seminars



31-4/1

AEI Forum

Impact of the Integrated Building theme



APRIL

6-8

HEC-RAS Computer Workshop
ASCE seminar

11-15

Earth and Space Conference
Engineering for Extreme Environments theme



17-20

T&DI Automated People Movers
Innovation in an Urbanizing World theme

Conferences details:

asce.org/conferences_events

In-person seminars:

asce.org/seminars

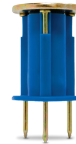
ASCE NEWS

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Bridges
Curtain walls
Roadways
Homes

The Power to Build Structures



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Our founder Barclay Simpson started our company with a simple belief—help customers solve problems. Barc did just that when he created our first joist hanger in 1956 for a customer who needed to make a roof connection. Today, we are on all types of jobs offering many more solutions, including our high-strength concrete anchors and adhesives.



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