

CHICAGO ARCHITECTURE FOUNDATION

FOR IMMEDIATE RELEASE

Contact:

Justin Lyons
Communications Director
312.322.1134
jlyons@architecture.org

Nikki Snodgrass
Public Relations Manager
312.922.3432 x274
nsnodgrass@architecture.org

Chicago Architecture Foundation Celebrates National Engineers Week, February 16 - 22

Learn first-hand about some of the industry's most innovative structural achievements through tours, workshops and demonstrations for families, teens and adults

Chicago, Ill.—The Chicago Architecture Foundation (CAF) welcomes the public to an exciting schedule of programs to celebrate National Engineers Week, February 16 – 22. From advancements in mobile phone technology to public transportation to the buildings we live in, engineering plays an essential role in improving the quality of our daily lives. To honor these achievements, CAF has tailored a series of events and tours designed to encourage discussion and creative problem solving in this field.

CAF's National Engineers Week programs include:

- **Families** – The ArcelorMittal Design Studio at CAF invites families to enjoy fun, hands-on activities like building with LEGO, Bloxes and other media to learn more about what engineers do.
- **Teens:** Crown Hall at Illinois Institute of Technology will host a Teen Studio where teens can work alongside professional engineers, architects and designers to engage in developing unique solutions to challenges in engineering.
- **Adults:** CAF's new Drinks + Design series brings adults together to enjoy a cocktail while designing with LEGO and learning about architectural principles. On Wednesdays all month long, LunchTalks@CAF will feature individuals from globally acclaimed firms to talk about new architectural and engineering projects currently being developed.
- **Tours:** CAF's walking and building tours will bring visitors up close and personal with some of Chicago's iconic buildings like the Hotel Burnham, John Hancock and Willis Tower.

Program Line-Up Details:

Families and Teens:

Engineers Week Celebration: Engineer This! Build That!

Join us at multiple locations at our home in the historic Railway Exchange Building for a day-long program to celebrate National Engineers Week. Hands-on activities, LEGO builds and presentations are designed to help families discover what engineers do, have fun building, constructing and solving engineering challenges.

WHEN: Sunday, February 16, 2014, 11:00am - 3:00pm

WHERE: Arcelor Mittal Design Studio @ CAF, Lecture Hall and Morse, 224 S. Michigan Ave

COST: FREE

This drop-in STEM (Science, Technology, Engineering, Math) program is designed to engage students 5-13 and their adult companions.

Saturdays in the Studio: Engineering Day

Fun, engaging, hands-on structural design challenges are the goals of our Engineering Week Teen Studio held at IIT College of Architecture's Crown Hall. The studio is facilitated in partnership with IIT engineering and architecture students and instructors as well as professional mentors from Chicago area engineering offices. Activities are designed to encourage teens to approach design challenges in new ways and push their creative boundaries to develop unique solutions alongside CAF Mentors who are practicing professional engineers, architects, and designers.

WHEN: February 22, 10am - 3pm

WHERE: Crown Hall at the Illinois Institute of Technology, 3360 S State St Chicago 60616

COST: FREE with registration

Capacity: 40

Lunch will be provided.

Adults

LunchTalks@CAF: Celebrating Engineering - Timber Tower Research Project by SOM

Benton Johnson, PE SE, Associate, Skidmore, Owings & Merrill LLP

For more than 60 years, Skidmore, Owings & Merrill LLP has been a leader in designing and engineering tall buildings. Challenges inherent in creating sustainable cities in the 21st century have led SOM to develop the "Timber Tower Research Project." Publicly released in June 2013, the research project discusses critical design issues related to high-rise mass-timber buildings through the conceptual design of a 42-story mass-timber building in Chicago. SOM's proposed system called the "Concrete Jointed Timber Frame" could be competitive with conventional construction technologies while reducing the embodied carbon footprint of the structure by 65-75%. SOM believes that the Timber Tower Research Project can inspire thinking to address today's concerns about sustainability and give us another important tool for environmentally responsible urban development.

WHEN: Wednesday, February 5, 2014, 12:15-1pm

WHERE: Lecture Hall, 224 S. Michigan Ave

COST: FREE

CAPACITY:125

AIA CES:1 LU/HSW

LunchTalks@CAF: Celebrating Engineering - Sowwah Square: Sustainable Integration with Goettsch Partners

Steven M. Nilles, FAIA, LEED AP - Partner, Goettsch Partners

As designated by Abu Dhabi's 2030 urban framework plan, the five-building, 290,000-square-meter Sowwah Square complex defines the anchor for the emirate's new Central Business District. Comprising four office towers and the headquarters building for the Abu Dhabi Securities Exchange, the complex strives to create a signature image for downtown while also promoting a public presence and emphasizing sustainability. Learn about the technical challenges and achievements in the design, engineering and execution of the project, the first in Abu Dhabi to be pre-certified LEED-CS Gold.

WHEN: Wednesday, February 12, 2014, 12:15-1pm

WHERE: Lecture Hall, 224 S. Michigan Ave

COST: FREE

CAPACITY: 125

AIA CES: 1 LU/HSW

LunchTalks@CAF: Celebrating Engineering: I Dig Deep Tunnel

Kevin M. Fitzpatrick, Chief Engineer, Metropolitan Water Reclamation District of Greater Chicago

Chicago's Tunnel and Reservoir Plan was adopted for implementation in 1972. More than 40 years and \$3 billion later, the benefits provided by this project and the need to complete it are more important than ever. Supervising Civil Engineer, Kevin Fitzpatrick, who oversees engineering for all of the District's collection facilities projects, will discuss the purpose of the Deep Tunnel and Reservoir Plan project, its performance to date, and the remaining features under construction.

WHEN: Wednesday, February 19, 2014, 12:15-1pm

WHERE: Lecture Hall, 224 S. Michigan Ave

COST: FREE

CAPACITY: 125

AIA CES: 1

Drinks + Design in the Studio: What do you mean by TALL?

For Engineers Week, CAF is launching its new series of hands-on programs for adults. Titled Drinks + Design in the Studio, the programs will use the LEGO® Architecture Studio to let adults explore the playful side of architecture and engineering. With Chicago losing the title of America's tallest building, we want to know – how do you judge what is TALL? For this program, we are partnering with the Council for Tall Buildings and Urban Habitat (CTBUH). In small teams, participants will build a LEGO® tower and compete for the title of Design Studio's tallest. After a winner is selected, representatives from CTBUH will tell us how they judge what is tall.

WHEN: Wednesday, February 19, 2014, 6:00pm - 8:00pm

WHERE: Design Studio, 224 S. Michigan Ave

COST: \$20 non-members, \$15 members

CAPACITY: 40

AIA CES: 1

Tours

Modern Skyscrapers (1950s – Present); Walking Tour, daily at 1pm

Reliance Building (Hotel Burnham), Building Tour, February 5 & 19 at 12:15pm

Trump International Hotel & Tower; Building Tour, February 12 at 10:30am

Willis Tower and 311 S. Wacker Dr.; Building Tour, February 18 & 21 at 12:15pm

John Hancock Building; Building Tour, February 24 at 12:15pm

Inland Steel Building; Building Tour, February 28 at 12:15pm