

David Umemoto's "Architect of the Impossible" Exhibition Now Open

An exhibition of Canadian artist David Umemoto's work, titled "David Umemoto: Architect of the Impossible," is open through February 9, 2020, at Escher in the Palace, a museum in Hague, the Netherlands. The exhibition brings together the work of artist M.C. Escher (1898–1972) and the sculptures of contemporary artist and architect David Umemoto. Umemoto began his career as an architect but gradually gained an interest in working on a smaller scale. A year in Indonesia steered him in a different direction, when he shifted his focus from architecture to sculpture. Umemoto's sleek concrete sculptures of buildings and monuments push the envelope of perfection in both disciplines: stairs lead nowhere and walls stop in the wrong place.



David Umemoto, *District 2, 2018* (photo courtesy of Modern Shapes Gallery)

Mar-Bal Acquires AlertTile and Detectable Warning Systems

Mar-Bal, Inc., acquired all assets of AlertTile® and Detectable Warning Systems. Moving forward, these acquisitions will be branded under the Detectable Warning Systems™ umbrella brand as part of the Mar-Bal family of products. The newly acquired products primarily comprise Americans with Disabilities Act-compliant detectable warning surfaces—tactile indicators that cue hazardous areas and changes in grade to people with visual impairments. These products include RediMat™, AlertTile®, AlertCast®, and Cast Iron™.

KYTC Selects Design-Build Team for I-Move Project

The Kentucky Transportation Cabinet (KYTC) has selected a design-build team led by Hall Contracting and American

Engineers Inc. to design and construct the I-Move Kentucky interstate project. The goals for the 4-year, \$180 million construction project are to improve safety, ease of travel, and quality of life for travelers and businesses that frequently use Interstates 265, 71, and 64 (I-265, I-71, and I-64) in Jefferson and Oldham counties. Planned improvements include widening I-265; widening I-71; improving the I-71/I-265 interchange; and improving the I-64/I-265 interchange. Construction on the I-Move Kentucky project will begin in spring 2020. The entire project is scheduled to be completed in late 2023.

Allen Engineering Receives Governor's Quality Award

Allen Engineering Corp. (AEC) received the Achievement-level Governor's Quality Award during the 25th Annual Awards Celebration held in Little Rock, AR. More than 300 business and civic leaders from throughout Arkansas attended the celebration. AEC designs, engineers, manufactures, and markets equipment used in concrete construction. The company received the highest-level award presented this year. Nineteen other companies also received awards.

McLaren Engineering Group Earns ULI Excellence Award

McLaren Engineering Group was named an Urban Land Institute (ULI) Northern New Jersey (NNJ) Excellence Award winner as part of the project team that expanded the Capital Improvement Program of Newark, NJ. McLaren provided the Newark Downtown District, a privately funded nonprofit organization, with a suite of engineering services to expand its Streetscape Design Project, garnering a ULI win for Best Public/Private Partnership. McLaren's work included updates to the district's wayfinding program, design of decorative festival lighting throughout the city, and street lighting for previously unimproved sections of the district. The wider project team recognized by ULI NNJ includes architects at Stantec Consulting and contractor Berto Construction. McLaren and fellow award winners were honored at a gala on November 7, 2019, in Woodland Park, NJ.

STACK CEO Addresses House Committee on Construction Technology

Phillip Ogilby, CEO and Founder of STACK Construction Technologies—a cloud-based preconstruction platform for contractors, suppliers, and building product manufacturers—was a featured witness called before the U.S. House of Representatives House Committee on Small Business to discuss "Smart Construction: Increasing Opportunities for Small Businesses in Infrastructure" in Washington, DC.

Ogilby, a former commercial contractor, discussed the importance of technology in the construction industry as well as the inclusion of small businesses in American infrastructure. Lennart Anderssen, Pratt Institute; Ryan Forrestel, Cold Springs Construction; and Chris Shepard, Trimble, Inc., were also witnesses at the hearing.

Phelps Construction Group Completes Statue of Liberty Museum

Phelps Construction Group completed the new Statue of Liberty Museum on Liberty Island for the Statue of Liberty-Ellis Island Foundation, Inc. (SOLEIF). The 26,000 ft² (2415 m²) building provides an estimated 4.3 million annual visitors the opportunity to learn about the Statue of Liberty's history, influence, and legacy through three gallery spaces. The cast-in-place concrete structure sits above the 500-year flood level. It includes the Statue of Liberty's original torch surrounded by frameless glass curtainwalls. The multifaceted three-dimensional structural steel roof system is clad with an expansive green roof.

Construction materials were delivered to the island using a temporary dock that could be adjusted for the varying tides. Everything ranging from loads of lumber to concrete trucks were barged from a nearby facility in Jersey City, NJ.

SUNY New Paltz's Engineering Innovation Hub Complete

The State University of New York (SUNY) at New Paltz, Urbahn Architects, and PC Construction completed the new Engineering Innovation Hub (EIH) building. The building, located within SUNY New Paltz's main campus, was erected on a parking lot near the existing engineering building. The two-story, 19,500 ft² (1811 m²) facility houses the college's bachelor's program in mechanical engineering. It includes



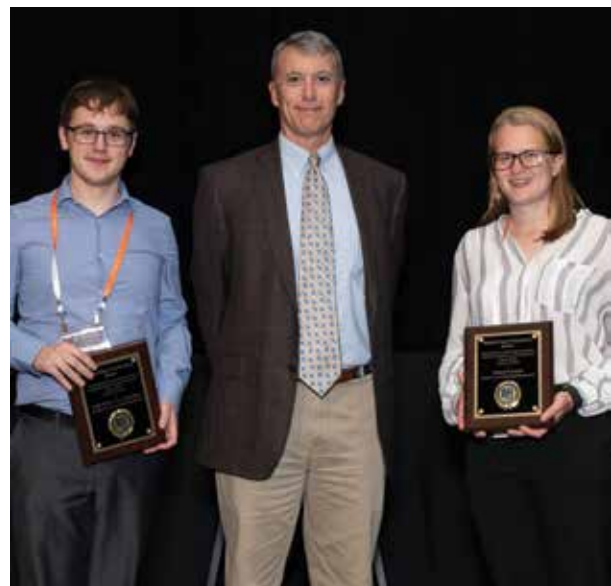
The new Engineering Innovation Hub's exterior walls feature HPC panels in light and dark gray (Photo courtesy of Ola Wilk/Wilk Marketing Communication)

innovative lab spaces and the school's Hudson Valley Additive Manufacturing Center.

Urbahn designed the EIH to allow for a potential expansion to the east. The exterior walls feature an ultra-high-performance rainscreen system with high-performance concrete (HPC) panels in two colors: light gray and dark gray. The light gray portions have a smooth appearance, while the dark gray sections feature textured panels. The first floor of the building includes polished concrete floors and painted steel columns, beams, and a metal deck ceiling.

Deep Foundations Institute Announces Winners of 2019 Student Paper Competition

Abigail H. Bateman and Jamie J. Crispin from the University of Bristol, Bristol, UK, are the 2019 DFI and the DFI Educational Trust Student Paper Competition winners. DFI and the DFI Educational Trust hold the Student Paper Competition annually to bridge the gaps between practice, studies, and research. The winning paper, titled "Theoretical 't-z' Curves for Piles in Radially Inhomogeneous Soil," describes the development and evaluates the use of a radial inhomogeneity correction factor for selected constitutive models. The award was presented at the DFI 44th Annual Conference on Deep Foundations in Chicago, IL, where Bateman and Crispin were invited to present the winning paper to conference attendees. Their paper will be published in a future issue of the *DFI Journal*. The award recipients also received a library of up to 20 printed DFI publications and a gratis 2-year DFI Individual Membership.



The 2019 Student Paper Competition winners with Tracy Brettmann (center), Chair of the DFI Educational Trust