

State News for NSPE Members

Year One of the Bipartisan Infrastructure Law

The Biden Administration recently updated [state and territory fact sheets](#) that highlight the nationwide impact of the Infrastructure Investment and Jobs Act, the largest long-term investment infrastructure and competitiveness in nearly a century. To date, over \$8 billion in funding has been announced and is headed to Florida with over 170 specific projects identified for funding. Access information about Florida projects [here](#).

FIU Receives \$3.2M to Research 3D Printing Ultra-High Performance Concrete

FIU has received a \$3.2 million grant from the Army Corps of Engineers to research the 3D printing of Ultra-High Performance Concrete (UHPC). The innovative research looks to help military personnel and industry professionals create extra-strong, customized structures on demand, according to a [news release](#).

UHPC is stronger and more durable than traditional concrete. The material is projected to become very important to the construction industry in the coming years, said Atorod Azizinamini, director of infrastructure research and innovation at the Office of Research & Economic Development and professor of civil engineering at the FIU College of Engineering & Computing.

“Just a shell of UHPC wrapped around a structure adds to its total strength,” said Azizinamini, principal investigator of the grant. “The properties of UHPC allow us to make structures smaller and more lightweight. This translates to energy savings and smaller carbon footprints.”

Another major benefit of UHPC is that it is difficult for water to penetrate. This is important because if a substance like saltwater breaches through a building’s concrete and reaches its reinforcing steel, it can cause corrosion. [Read more](#).

Stay up to date on legislative issues through the [NSPE Advocacy Center](#).

Share Your PE Story #IAMNSPE

NSPE is a society made up of dedicated individuals who each bring a unique story and perspective to the engineering profession. NSPE members are leaders. They are connected, inclusive, committed to ethical practice, and so much more. You have established your career as a PE, but what's next? Learn how your peers have strengthened their professional toolkits and [share your own story](#) through social media. #IAMNSPE



NSPECon23 Heads to Louisville

Mark your calendars to attend [NSPECon23](#) in Louisville, Kentucky, August 2-4. NSPECon provides an opportunity to build your network of professional engineers and advance your career by learning new skills, expanding your expertise, and preparing for future developments in the industry. The conference presentation proposal [submissions site](#) is open (submission deadline: January 25). Stay tuned for more information on registration, session topics, sponsorship opportunities, and additional conference activities!

If you want to reminisce about the fun, comradery, engagement experienced during this year's NSPECon (Philadelphia) in preparation for NSPECon23, visit NSPE's conference photo albums on [Flickr](#).



Take Advantage of Professional Development Opportunities

It's not too late for NSPE members to access the 2022 lineup of WORKability Wednesdays webinars. Access these [free recorded webinars](#) and earn PDHs before the end of the year.

The presentations address various topics of interest to professional engineers including the following:

- [Amplifying the Current Infrastructure for the Imminent EV Transition](#)
- [Engineering: Addressing Unintended Consequences as a Professional](#)
- [What Separates Good Engineers From Great Engineers](#)
- [Ethical Case Insights: Lessons in Disclosure](#)
- [Setting and Verifying Corporate Sustainability Goals Across Environmental, Social, and Governance Topics](#)
- [Election Recap: How Can PEs Prepare for the 2023 Legislative Session](#)



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**National Society of Professional Engineers | 1420 King Street | Alexandria, VA
22314**