

## State News for NSPE Members

### AI Startup Moving to the Mountain State

Xtremis, an artificial intelligence development startup, will relocate to Morgantown, West Virginia, from Nashville. Xtremis' business operations and product development activities will be based at the Civil Military Innovation Institute business incubator campus adjacent to the Department of Energy's National Energy Technology Laboratory, according to a [news release](#).

In addition to the move, Xtremis will collaborate with CMI2 to develop radio test and evaluation infrastructure at the Fola Multi-Domain Technology Test Bed site in Clay County. Once completed, the Fola site will provide a unique laboratory for the development of Xtremis' novel radio technologies in conjunction with realistic military training.

Xtremis was founded in 2021 by a team of researchers who won two Defense Advanced Research Projects Agency competitions. Leveraging technologies developed through the DARPA initiatives, Xtremis has experienced rapid growth since its inception, and was selected by the US Army's Pathfinder Program to develop a next-generation sensor network called the Advanced Dynamic Spectrum Radio. This allows legacy Army radios to adapt to changes in the Electromagnetic Spectrum, ensuring that soldiers can communicate even in the presence of adversary jamming. [Read more](#).

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### Second Round of Green School Buses Coming to West Virginia

GreenPower Motor Company has launched the second round of its pilot project with the state of West Virginia to demonstrate all-electric school buses in Clay, Grant, Monongalia, and Ohio County school districts. The second round of the pilot program will incorporate new terrains, colder weather, and longer school bus routes, allowing the company to test the buses in real world scenarios.

"The difference in topical geography and weather will provide us valuable data and

a good understanding of how the buses will perform in more mountainous terrain and a colder climate," Fraser Atkinson, CEO of GreenPower stated in a [news release](#).

GreenPower will collect data from the program including range, charging infrastructure needs and usage rates, operating and maintenance, student and parent acceptance, and more. The data will provide a look into the transition from diesel to electric school buses to better protect the health and safety of communities and children from the contamination of NOx emissions.

Atkinson added that the company offers a comprehensive turn-key program to school districts that include the zero-emission electric school buses, electric vehicle charging systems and infrastructure, vehicle training and maintenance, deployment assistance and general education of the benefits of all-electric, zero-emission school buses.

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

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## NSPE Stays Focused on Sustainability and Resilience

The United Nations Climate Change Conference ( [COP27](#) ) kicked off in Sharm El-Sheikh, Egypt last week. As the conference takes place, NSPE will [provide conference highlights](#) of interest to professional engineers.



NSPE believes licensed PEs should be good stewards of the environment to preserve and protect our world for future generations. The Society recognizes that attention to sustainable and resilient design practices is critical to the health of the planet and is an integral part of the practice of engineering. PEs are uniquely positioned to be a positive and driving influence in creating, maintaining, and renewing sustainable communities.

In early 2022, the NSPE Board of Directors endorsed “The Role of the Engineering Community in Addressing Climate Change.” The statement was prepared with input from a working group of 16 organizations, including NSPE, and facilitated by ECL-USA. It is intended to unite, energize, and motivate people within and across organizations, and to fulfill their desires for meaning and purpose in their professional lives.

### **The Role of the Engineering Community in Addressing Climate Change:**

Climate change is real – the impacts are serious, and they are accelerating. There is an urgent imperative for the Engineering Community to take informed and intentional actions now to both reduce greenhouse gas emissions and adapt to the

impacts of a changing climate. It is our duty and purpose to contribute our skills and knowledge of human-centered technologies and of the natural world to lead humanity out of the climate crisis with a focus on sustainable, resilient, equitable, and innovative approaches. [Learn more](#) .

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## Honor Awards Open for Nominations

The [NSPE Honor Awards](#) promote the professional engineer's contributions to society and recognize the achievements of the profession's very best. The deadline for award submissions is **January 31, 2023**.

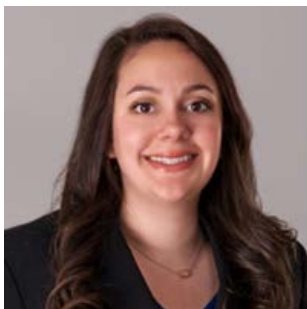
### NSPE Award

The NSPE Award is the highest award given to an individual by the Society. It is presented to an engineer who has made outstanding contributions to the engineering profession, the public welfare, and humankind. **Howard (Skip) Harclerode II, P.E., F.NSPE, F.AIChE**, received the award in 2022. He is the founder and president of KBD Engineering Company Inc., based in Phoenix, Maryland, and has been a tireless advocate for the engineering profession.



### New Professional of the Year Award

This award recognizes a young NSPE member who has made outstanding contributions to the Engineering Profession and the community during the early years of one's career. **Holly Ahumada, P.E., CFM**, and **Dylan Ward, P.E., MPA**, received the award in 2022. Holly Ahumada specializes in stormwater and floodplain management at Freese and Nichols in Fort Worth, Texas. Dylan Ward is a project manager for the City of Henderson in Kentucky.



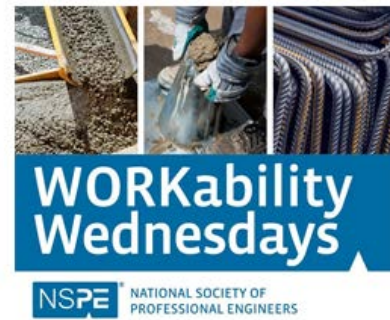
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## Upcoming Webinar: Election Recap

Join your colleagues for the next Workability Wednesdays webinar: [Election Recap: How Can PEs Prepare for the 2023 Legislative Session](#) (November

30).

Register now for these FREE webinars for NSPE members and earn PDHs before the end of the year. If you missed any recent webinars? No problem.... [check out the recordings](#) .



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