

# SSET COLE LECTURE

Civil, Construction, and Environmental Engineering Programs

## AI + H<sub>2</sub>O Revolution: Tech-Infused Water Treatment



Wednesday, December 11, 2024

5:00 - 5:45 p.m. Reception

5:45 - 7:00 p.m. Panel Discussion

Location: EAB 104

Zoom Link: <https://psu.zoom.us/my/yuc12>

RSVP: Register [here](#).

Artificial intelligence (AI) is a booming technology that uses computers and machines to reason, learn, and act in ways that are comparable to the human intelligence system. In water treatment, for instance, AI can be utilized to automate intricate tasks such as analyzing water quality data, forecasting adverse water quality events, and optimizing plant operations, to achieve cost savings. With the growing interest in AI, the PSH Cole Lecture is sponsoring a panel discussion on its use in research, operation, and design of water treatment. The panelists include:

### Panelists:

[Z. Jason Ren](#), PhD, Professor, Department of Civil and Environmental Engineering & Andlinger Center for Energy and the Environment, Princeton University.

[Steve McBryde](#), Director of Plant Operations, Chester Water Authority.

[Jamie R. Shambaugh](#), P.E., Vice President, Gannett Fleming TranSystems

### Panel Moderator:

[Yuefeng Xie](#), Emeritus Professor of Environmental Engineering at Penn State Harrisburg.

\*Dr. Xie retired this summer and we will celebrate his retirement during the reception.



**PennState**  
Harrisburg

For more information, please contact  
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