



CWEA

20

August 2026 Thursday at Zio Fraedo's (Pleasant Hill)

CWEA SFBS Aug Dinner Meeting

A Low-cost, Low-maintenance Nitrogen Speciation Platform for Real-time Nitrogen Monitoring and Energy-efficient Nutrient Removal

Presented by Dr. William Tarpeh & Dr. Pingyu Wang

Hosted in coordination with CWEA SFBS Laboratory Committee

EVENT INFO

Zio Fraedo's (Pleasant Hill)

611 Gregory Lane
Pleasant Hill, CA 94523

DATE

THURSDAY, AUG 20, 2026

SOCIAL & CHECK IN

6:00 P.M. – 6:30 P.M.

BUFFET DINNER

6:30 P.M.

PRESENTATION

7:00 P.M.

NEED ASSISTANCE? CONTACT

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REGISTER BEFORE FRIDAY, AUGUST 7th FOR A \$5 DISCOUNT

**PLEASE REGISTER BEFORE FRIDAY AUGUST 14th TO CONFIRM
YOUR DINNER PLATE AND DIETARY PREFERENCES** 🍴

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CONTACT HOURS: 1.0

Credit cards only, CWEA does not charge a fee. Payment method is by credit card only. No refunds; attendee substitutions are allowed.



Dr. William Tarpeh is an associate professor of chemical engineering at Stanford University. The Tarpeh Lab develops and evaluates novel approaches to resource recovery from "waste" waters at several synergistic scales: molecular mechanisms of chemical transport and transformation; novel unit processes that increase resource efficiency; and systems-level assessments that identify

optimization opportunities. Will completed his B.S. in chemical engineering at Stanford and his M.S. and Ph.D. in environmental engineering at UC Berkeley, supported by an NSF Graduate Research Fellowship, Ford Foundation Predoctoral Fellowship, and a UC Berkeley Chancellor's Fellowship. He conducted postdoctoral training at University of Michigan in environmental engineering. Will's honors include a MacArthur Fellowship, an NSF CAREER Award, the Dreyfus Teacher Scholar Award, Paul Busch Award, Electrochemical Society Young Investigator Fellowship and AIChE 35 Under 35 and Environmental Division Early Career Awards.

Dr. Pingyu Wang is a postdoctoral scholar in the Tarpeh lab. He obtained his PhD in materials science and engineering from Stanford University where he developed technologies for interfacing with the retina for high-acuity vision restoration. Inspired by the transformative role of sensor technologies in healthcare, Pingyu is excited to bring these technological advances to environmental sensing and monitoring. In the Tarpeh lab, he is developing a low-cost, continuous, and autonomous sensing platform for nitrogen speciation in diverse water environments. He uses a user-centered approach to tailor the technology development to meet the demands of the real world.



CWEA MEMBERS PRICE

\$55 (\$50 before 8/7)

NON-MEMBERS PRICE

\$75 (\$70 before 8/7)

STUDENTS PRICE

\$35 (\$30 before 8/7)