

## AEESP Community of Practice **Grantastic** Presents

### How I Hypothesize?

By Dr. Yang Yang of Clarkson University

Date and Time: April 03, Friday, 10 AM US CDT

Register here to get a Zoom link:

[https://docs.google.com/forms/d/e/1FAIpQLScJzHu3hG\\_8MIj7HGBfHU0iA6TdQ-stXGGIQ6\\_mfudGQ\\_4Ew/viewform?usp=publish-editor](https://docs.google.com/forms/d/e/1FAIpQLScJzHu3hG_8MIj7HGBfHU0iA6TdQ-stXGGIQ6_mfudGQ_4Ew/viewform?usp=publish-editor)

**Biography.** Dr. Yang Yang received his Ph.D. from Tsinghua University in 2014 and completed his postdoc training at the California Institute of Technology from 2014 to 2018. He joined the Department of Civil and Environmental Engineering at Clarkson University as an Assistant Professor in 2019 and was promoted to Associate Professor in 2025. Dr. Yang specializes in the synthesis and characterization of advanced electrocatalysts and piezoelectric materials and the exploration of their environmental applications, such as disinfection, emerging contaminant control, and harmful algal bloom mitigation. Dr. Yang has published peer-reviewed articles as first author or corresponding author in flagship journals (*Environmental Science & Technology* family journals, *ACS Catalysis*, *Nature Water*, etc.) and owns three patents in subject areas of emerging contaminant analysis, wastewater treatment, and flue gas purification. He is the co-founder of ResET Water, a startup company dedicated to commercializing electrochemical water treatment technology.



Dr. Yang is an associate editor of *Chemical Engineering Journal Advances* and *Emerging Contaminants*. He is an Early Career Editorial Board member of *ACS ES&T Engineering*. His research group at Clarkson received funding support from NSF, DoD, DoE, Bill and Melinda Gates Foundation, New York State Department of Environmental Conservation, and the Environmental Research and Education Foundation. In 2023, he received the prestigious NSF CAREER award. He is also the recipient of the Chinese-American Professors in Environmental Engineering and Science (CAPEES) Early Career Award in 2024. The American Academy of Environmental Engineers and Scientists introduced him to the “40 under 40 recognition program”.

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