DEPARTMENT OF CHEMISTRY AND ENVIRONMENTAL SCIENCE
SEMINAR SERIES
SPRING 2023

WEDNESDAY, APRIL 19, 2023
TIERNAN HALL – LECT. HALL 2
1:00PM-2:20PM

GUEST SPEAKER

Dr. Dora Chiang
Senior Vice President and
Global Technical Leader for Environmental Remediation
WSP
Atlanta, GA

TOPIC

PFAS Investigation and Treatment at Contaminated Sites

ABSTRACT

The challenges of addressing PFAS at a contaminated site can range from PFAS analysis and sampling, establishing a conceptual site model, treatment feasibility for a wide range of PFAS compounds, and PFAS risk communications. Dr. Chiang will share her past ten years of experiences working on characterizing, investigating and treating PFAS in groundwater and soil. In this seminar she will share the status of her three recent focuses- PFAS fate and transport, life cycle perspectives of PFAS treatment and development of PFAS destruction technologies. You will learn from this seminar on the current practice of characterizing PFAS at contaminated sites, the knowns and unknowns about PFAS remediation in soil and groundwater, and some groundbreaking PFAS treatment technologies, such as foam fractionation and destructive technologies, as well as the knowledge and data gaps to scale up some of newly developed treatment technologies.

BIO

Dr. Dora Chiang is Senior Vice President and Global Technical Leader for Environmental Remediation at WSP. She got her PhD from Georgia Tech in 2000 and started her environmental consulting career since then. Over her 25 years of environmental consulting experience, she served as environmental engineer, project manager, project technical lead, global practice leader and principal investigation. With all these different roles, her career goal is to develop innovative solutions and technical strategy as well as to share lessons learned and conduct technology transfer within and outside the firm. Since 2012, Dr. Chiang has worked on PFAS projects ranging from PFAS characterization, investigation to treatment. Since 2016, she served as global director and practice leader of emerging contaminants and PFAS responsible for technical and business development of emerging environmental markets, particularly for 1,4-dioxane and PFAS. She is principal investigator (PI) of multiple PFAS treatment technology development projects, she also recently published a paper on PFAS precursor analysis with USEPA. She is also subgroup leader and trainer for the Interstate Technology and Regulatory Council (ITRC) CEC and PFAS teams.

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