

**Spring 2025 Environmental & Water Resources Engineering Seminar Series**  
**Fridays, 11:00-11:50 am, ENG 4 (Kopp Engineering Building)**

**All Seminars are Open to the Public**

<b>Date</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Title</b>
January 17	EWRE faculty	University of South Florida	USF EWRE Faculty Research Interests
January 24	Ivy Drexler	Senior Manager, Wastewater Water Resources Department City of St. Pete	Utility Operations: Where Theory Becomes Practice
January 31	Byron Burrows	Director, Environmental Services Tampa Electric Company	Greenhouse Gas Reduction Strategies for the power industry and economy wide opportunities
February 7	Kyle Boutin	Postdoctoral Researcher Civil & Environ. Engineering University of South Florida	Cattail Bioproducts: An Ecological Engineering Approach to Mitigating Harmful Algal Blooms
	Regina Kansole	Visiting Asst. Prof. & Fulbright Fellow University of Fada N’Gourma Burkina Faso	Assessment of the acidogenic potential of mining waste rock from the NADON waste dump of the Essakane gold mine in the Sahel region of Burkina Faso
February 14	Benjaporn Suwannasilp	Visiting Asst. Prof. & Fulbright Fellow Chulalongkorn University Bangkok Thailand	Polyhydroxyalkanoate production in mixed microbial cultures bioaugmented with <i>Thauera mechenichensis</i> TL1 for resource recovery from wastewater
February 21	Lynn Spivey	Director of Utilities, City of Plant City	Florida’s One Water Movement in Motion
February 28	Yudi Wu	Assistant Professor Civil & Environ. Engineering Florida Polytech	Community-Based Solid Waste Management with Biochar: Challenges and Opportunities <b>This seminar will be held in the IDR Oak View Room</b>
March 7	Benjamin Yoakum	Research and Innovation Project Manager Orange County, FL	Utilities Research: Transient Pressure Sensing, Microplastics and More!
March 14	Barbara Evans	Professor of Public Health Engineering University of Leeds	Climate Change, Technology and Global Public Health; the battle for the soul of environmental engineering <b>This seminar will be held in the Advanced Visualization Room CMC 147</b>

March 21		Spring Break No Seminar	
March 28	Jiayi (Joey) Hua	Doctoral Candidate Civil & Environ. Engineering University of South Florida	Environmental and Economic Sustainability Assessment for Onsite Sewage Treatment and Disposal System (OSTDS)
	Jess Boyer	Doctoral Candidate Civil & Environ. Engineering University of South Florida	Transport and Degradation Pathways of Microplastics in Urban Aquatic Systems
April 4	Karl Linden	Professor and Chair Civil, Environmental, & Architectural Engineering University of Colorado, Boulder	This is Not Your Father's UV: How novel UV sources are accelerating disinfection and oxidation in water and wastewater treatment
April 11	Sheyla Chero Osorio	Doctoral Candidate Civil & Environ. Engineering University of South Florida	Coupling ion exchange and bioregeneration in a single reactor for sustainable biological nitrogen removal
	Rachael Cooper	Doctoral Candidate Civil & Environ. Engineering University of South Florida	A Balanced Compromise: Hydraulics and Sorption Kinetics of Phosphorus Adsorbent Media in Diffuse Sources
April 18	Majid Torof	USF EWRE Graduate Program Rapid Fire Research Presentations	Effect of Multiphase Flow Parameters on CO <sub>2</sub> Sequestration in Deep Saline Aquifers
	Nimisha Gautam		Sludge Settlement and System Performance at Manatee County's WWTP
	Kwabena Darko Okyere		Enhanced Onsite Wastewater Treatment Systems for N removal
	Natchaya Luangphairin		Biofilter Design and Management Impacts on Microbiome and Contaminant Degradation
	Edward Anica		Performance, Price, and Perceptions of Septic Tanks and Composting Toilets in Costa Rica
	Maedeh Yazdani Arani		Drinking Water Quality Assessments
April 25	Renan Felicio dos Reis	Assistant Professor Federal Institute of Sao Paulo (IFSP) Brazil	Innovative Sludge Treatment: Unlocking the Potential of Drainage Beds and Biodrying in Drinking Water and Wastewater Management
May 2	Ram Prasad	Senior Technical Specialist McKim & Creed	Sidestream nutrient recovery by struvite crystallization