

**Spring 2018**

**ENV 6935: Environmental & Water Resources Engineering (EWRE) Seminar**

Department of Civil & Environmental Engineering, University of South Florida

Fridays 12:30-1:20 pm ENG 4 (unless noted)

<b>Date</b>	<b>Speaker</b>	<b>Title</b>
Week 1. January 12	Alan Vicory Principal, Stantec Consulting	<i>The Water Management World Before you: Megatrends – Past and Present</i>
Week 2. January 19	Dr. Marc Edwards Charles P. Lunsford Professor, Civil & Environmental Engineering, Virginia Polytechnic Institute and State University	<i>Citizen Science and the Flint Water Crisis – Triumph, Tragedy, and Misconduct</i>  Room Change: CMC147, Advanced Visualization Center
Week 3. January 26	Dr. Sriram Chellappan Associate Professor, Computer Science and Engineering, University of South Florida	<i>Mobile and Wireless Networking Applications to the Environment</i>
Week 4. February 2	Dr. Adriana Iamnitchi Professor, Computer Science and Engineering, University of South Florida	<i>Bad Apples Spoil the Fun: Quantifying Cheating Influence in Online Gaming</i>  <i>(seminar will allow for discussions of applications of Dr. Iamnitchi’s computing research to EWRE)</i>
Week 5. February 9	Melanie Pickett Civil & Environmental Engineering, University of South Florida & Jorge Calibria Civil & Environmental Engineering, University of South Florida	<i>An Algae Membrane Photobioreactor: From Proof-of-Concept to Prototype &amp; Enabling nutrient recovery from decentralized wastewater treatment for integration with hydroponic systems to support adaptive agriculture</i>
Week 6. February 16		<i>TBD, Engineering Expo</i>
Week 7. February 23	Maria Reed Engineer I, Brown and Caldwell	<i>Ocean Outfall Legislation: South District Wastewater Treatment Plant Hydraulic Profile</i>
Week 8. March 2	Dr. Les Kaufman Professor of Biology, Marine Program and Pardee Center for the Study of the Longer- Range Future, Boston University	<i>Crafting Viable Futures With CHANS (Coupled Human and Natural Systems) Science: Insights from two freshwater and two marine case studies</i>
Week 9. March 9	Brian D. Pickard, P.E. Chief Planning Engineer, Tampa Water Department	<i>A GIS Based Infrastructure Replacement Prioritization System</i>
March 16 Spring Break	<i>Spring Break</i>	
Week 10. <b>March 21 (Wed)</b> Room and Time to be announced later	Dr. Angela Bielefeldt Professor, Civil, Environmental, and Architectural Engineering, University of Colorado Boulder	<i>TBD – perhaps something related to social responsibility – ethics – community engagement</i>

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Week 10. March 23	Dr. Pedro Alvarez George R. Brown Professor, Civil & Environmental Engineering, Director of the Nanosystems Engineering Research Center on Nanotechnology-Enabled Water Treatment, Rice University	<i>Proliferation and Control of Multidrug-Resistant 'Superbugs' in Sewage Treatment Plants</i>  <i>Note: Seminar is combined with the Association of Environmental Engineering and Science Professors (AEESP) Distinguished Lecturer at the University of Central Florida (Orlando)</i>
Week 11. March 30	Dr. Jennifer Cooper Postdoctoral Researcher, University of Florida Everglades Research and Education Center	<i>Climate Change Implication for Onsite Wastewater Treatment: Evaluation of Water Quality Functions Under Warmer and Wetter Conditions</i>
Week 12. April 6	Dr. Laura Schifman NRC Postdoctoral Research Associate, U.S. Environmental Protection Agency Cincinnati, OH	<i>Developing frameworks that highlight multi-functional green infrastructure design that is responsive to local needs and plans for sustainable urban (re)design</i>
Week 13. April 13	Dr. Shakira Hobbs Research Associate, Civil & Environmental Engineering, University of Virginia	<i>Biodigesters, Belize, and Black Women Engineers: The intersection of knowledge and global partnership</i>
Week 14. April 20	Dr. Cristine Angelini Assistant Professor, Environmental Engineering, University of Florida	<i>Resilience of coastal wetlands to climate change, chemical spills and overfishing</i>
Week 15. April 27		<i>No seminar currently scheduled, university reading day</i>

Note that Dr. John Cherry will be on campus March 2 (Friday) (time to be determined) to meet with faculty interested in participating with an e- book project he is leading. Dr. Cherry is Director of the University Consortium for Field-Focused Groundwater Contamination Research, and is an adjunct professor in the School of Engineering at the University of Guelph.