

Environmental and Water Resources Engineering (EWRE)
Graduate Seminar – Spring 2016
Civil & Environmental Engineering
University of South Florida
<http://ce.eng.usf.edu>

Seminar meets Fridays from 12.20 – 1.10 in ENC 1002 Building
CGN 6933 section 007 (students can take this class for 1 credit)

Seminar lists some other on campus talks that you might find interesting.

Week 1. January 15, *Microbial Fuel Cell Technology for Energy Generation and Nitrogen Removal*, Dr. Gang Chen, Ph.D., P.E., Associate Professor, Department of Civil & Environmental Engineering, Florida State University

(not part of EWRE seminar but you might want to attend) **January 20, 3.30 p.m.** Grace Allen Room Library, ***Community Participatory Involvement: A Sustainable Model for Global Public Health***, Dr. Linda Whiteford, Department of Anthropology

Week 2, January 22, *Development of large-scale coastal restoration programs: it's more than science and engineering alone*, Dr. David Tomasko, Principal Associate, ESA-Environmental Science Associates

(not part of EWRE seminar but you might want to attend) **January 27, 6 p.m.** 206 CWY, ***Frenemies The Curious Relationship Between Sciences and the Humanities***, Rebecca Newberger Goldstein (*followed by a reception and book signing*)

Week 3. January 29, *Electrochemical oxidation for the removal of perfluorinated compounds from wastewater*, Dr. Chunhui Zhang, China University of Mining and Technology (Beijing).

Week 4. February 5, *Here comes the sea!" says the Sargassum*, Dr. Arnolando Valle-Levinson, Department of Civil and Coastal Engineering, University of Florida

Week 5. February 12, *Membrane Aerated Biofilm Reactors - Energy Efficient Advanced Wastewater Treatment*, Kiera S. Fitzgerald, P.E., Water Reclamation Specialist, D.P. Fitzgerald, Inc.

Week 6. (seminar will meet on Wednesday this week)

February 17 (Wednesday), Time and Room to be Announced, ***Expanding the World of Aerobic Granular Sludge Technology***, Dr. Mari Winkler, University of Washington

Note that on, Feb 18th February 18th, faculty and students may want to attend the FWEA Conference: *Wastewater Process Ephemeralization-Treating More with Less*, Sheraton Tampa East Hotel, 10221 Princess Palm Avenue, Tampa http://www.fwea.org/wastewater_process_seminar.php

Week 6. February 19, seminar met on February 17 so no EWRE seminar today

(not part of EWRE seminar but you might want to attend) , **February 19, 3.35 p.m.**, 323 NES, ***Sustainable Development Goals: Assessing Assessment in a Complex World***, Dr. Robert Brinkman, Hofstra University

Week 7. February 26, *Recruiting women for science, technology, engineering and math*, Dr. Sheryl Sorby, Department of Engineering Education, Ohio State University

Week 8. March 4, *Energy and Climate Initiatives at the University of the Virgin Islands*, Dr. Wayne Archibald, Assistant Professor; Director Caribbean Green Technology Center, University of Virgin Islands

(not part of EWRE seminar but you might want to attend), **March 4, 3.35 p.m.**, Room 323 NES, ***Urban-tree benefits: from the intuitive to the surprising***, Geoffrey Donovan, United States Forest Service

Week 9. March 11 *Application of CFD on hydraulic design of spillway and culvert*, Dr. Jie (Jack) Zeng, Lead Engineer, South Florida Water Management District

March 18 No seminar, Spring Break

Week 10. March 25, *Cities of the Future: Towards Sustainable Urban Water Management*, Dr. Seneshaw Tsegaye, Patel College of Global Sustainability University of South Florida

Week 11. April 1, *How CFD Assisted in the Restoration Strategies Science Plan for Everglades Stormwater*, Liqiong Zhang, Lead Engineer, South Florida Water Management District

Week 12. April 8, *Surface Dynamics of Crude and Weathered Oil in the Presence of Dispersants: Laboratory Experiment and Numerical Simulation*, Dr. Alex Soloviev, Nova Southeastern University

Week 13. April 15, *Solid Waste Management in the U.S.: Insights and Trends*, Dr. Bryan Staley, President & CEO, Environmental Research & Education Foundation

(not part of EWRE seminar but you might want to attend) April 15, 3.35 p.m., Room 323 NES, Western **Lake Erie Restoration Assessment (WLER): further understanding the potential and benefits of coastal wetlands**, Justin Saarinen, New College of Florida

Week 14. April 22, *Research on inlet management study*, Dr. Ping Wang, School of Geosciences, University of South Florida

Week 15. No class, reading days