

**Environmental & Water Resources Engineering (EWRE) Seminar**  
**Department of Civil & Environmental Engineering, University of South Florida**  
**Fridays 12:20-1:10 See below for seminar locations**

| <b>Date/<br/>Room</b> | <b>Speaker</b>  | <b>Title</b>   |
|-----------------------|---|--|
| 1/9                   | EWRE Faculty  | Faculty Research Forum   |
| 1/16<br>ENG 4         | Sashikanth Gurram, EWRE and TPT<br>USF  | An integrated transportation and air pollution modeling framework for estimating mobile source emissions and human exposure                    |
|                       | Nathan Manser, EWRE USF   | Assessing the fate of <i>Ascaris suum</i> ova during mesophilic anaerobic digestion  |
| 1/23<br>ENG 4         | Dr. Tirusew Asefa, Manager<br>Systems Decision Support<br>Tampa Bay Water   | Robust Water Supply Planning: The role of uncertainties in demand, supply, and facility availability in future need analysis                   |
| 1/30<br>ENG 4         | Dr. Chris J. Anastasiou, Chief Scientist<br>Natural Systems & Restoration<br>Southwest Florida Water Mgmt. District | Restoring our springs - from springshed to sea:<br>Adaptive management for the 21 <sup>st</sup> century  |
| 2/6<br>ENG 4          | Dr. Jordan Peccia<br>Chemical & Environmental Engineering<br>Yale University  | We should expect more from our sewage sludge!  |
| 2/13<br>CMC<br>147    | Dr. Kartik Chandran<br>Earth & Environmental Engineering<br>Columbia University                                     | N greenhouse gases from engineered nitrogen removal processes – Clean air or clean water?  |
| 2/20<br>ENG 4         | Dr. Stewart Oakley<br>Civil & Environmental Engineering<br>California State Univ. Chico                             | Sustainable wastewater management in Latin America: Failures, successes and new strategies   |
| 2/27<br>UCF           | Dr. Bruce Logan<br>Civil & Environmental Engineering<br>The Pennsylvania State University                           | Energy Generation from Water: Just Add Salt<br><i>AEESP Distinguished Lecture Series at UCF</i>  |
| 3/6                   | <i>No Seminar Spring Break</i>  |  |
| 3/13<br>CUTR<br>102   | Jose Jimenez<br>VP, Technology & Innovation<br>Brown & Caldwell   | Short-cut nitrogen removal opportunities for a sustainable future: A state of the art review   |
| 3/19<br>CHE 217       | Dr. Mark Jacobson<br>Civil & Environmental Engineering<br>Stanford University                                       | Roadmaps for Transitioning all 50 US States to Wind, Water and Solar Power for all Purposes<br><b><i>Thursday 3/19 11:00-12:15 CHE 217</i></b> |
| 3/27<br>ENG 4         | Dr Jayantha Obeysekera<br>Hydrologic & Environmental Systems<br>South Florida Water Mgmt. Dist.                     | Climate change in Florida  |
| 4/3                   | <i>No seminar - enjoy your weekend!</i>   |  |
| 4/10<br>CUTR<br>102   | *Dr. Frank Muller-Karger<br>Biological Oceanography, USF  | Evaluating water quality in coastal and estuarine areas using satellite remote sensing   |
| 4/17<br>ENG 4         | Laura Rodriguez-Gonzalez EWRE USF   | Photocatalytic degradation of taste and odor compounds in recirculating aquaculture systems  |
|                       | Mark Santana EWRE USF   | Energy embedded in water distribution networks: lessons from the city of Tampa   |
| 4/24<br>CUTR<br>102   | Ryan Locicero EWRE USF  | Bioretention field-scale plant performance: Subtropical Tampa Bay  |
|                       | Amine Hafsi EWRE USF  | Direct numerical simulation of scalar transfer across a wind-driven air-water interface  |

\*Tentative