

2013 Bio-WET Mini-Symposium

Friday, Aug. 2nd, 2013 -- IDR 200

Department of Civil and Environmental Engineering,
University of South Florida

- 12:30 PM - 1:30 PM **Keynote presentation: Anaerobic digestion of organic waste for sustainable development**
Prof. Piet Lens
- 1:30 PM - 1:45 PM **Effect of SRT on the use of swine waste centrate as a substrate for denitrification**
Sarina Ergas and M. Peyton Dilbeck
- 1:45 PM - 2:00 PM **Ammonium removal by means of algae and nitrifying bacteria treating swine waste centrate**
Thanh Tung Nguyen
- 2:00 PM - 2:15 PM **Modeling algal growth kinetics on wastewater**
Eunyoung Lee
- 2:15 PM - 2:30 PM **Microalgae cultivation and anaerobic co-digestion of algae and sewage sludge**
Meng Wang
- 2:30 PM - 2:45 PM **Enhanced methane production from lignocellulosic waste using anaerobic sludge from the paper mill treatment process** *Wendy Mussoline*
- 2:45 PM - 3:05 PM **Effects of SRT & feeding frequency on pathogen fate in discrete flow anaerobic reactors**
Mark Kalivoda and Nathan Manser
- 3:05 PM - 3:15 PM **Break**
- 3:15 PM - 3:30 PM **Integrated water resources management with water quality, energy consumption, and ecological requirement consideration**
Yilin Zhuang
- 3:30 PM - 3:45 PM **NSF Summer REU research on isolated cultivation of algal resources utilizing sewage (ICARUS)**
Meghan Heintz, Ivy Drexler and Daniel Yeh
- 3:45 PM - 4:00 PM **BioRecycling/BioEnergy Research and Training Station (BBRATS): An elemental approach to the energy/water/food/waste/health nexus**
Robert Bair, Onur Ozcan, Matt Woodham, Jorge Calabria, George Dick, Herby Jean, Ivy Drexler and Daniel Yeh
- 4:00 PM - 4:15 PM **BioFertilizer Farm (BFF) for demonstrating food-to-food biorecycling**
Jorge Calabria, George Dick, Matt Woodham, Robert Bair, Onur Ozcan, Herby Jean and Daniel Yeh
- 4:15 PM - 4:30 PM **BioRecycling as a theme for integrating research and education: Outreach experience at Learning Gate and the Science and Technology Education & Innovation Center (STEIC)**
Caryssa Joustra, Jorge Calabria, Ivy Drexler, George Dick, Robert Bair, Onur Ozcan, Matt Woodham, Erin Morrison, Emanuel Burch, Stephanie Quintero, D. Yeh