CE 591-Kappe Environmental Engineering Seminar Series

Course Description:
This is a seminar course offered primarily for graduate students in the Environmental Engineering program, although other graduate students may take this course for credit. All environmental engineering graduate students paid from a TA or RA are required to attend the seminar for any semester they are in residence. Graduate students may apply only one credit of seminar to their credits needed for graduation for each degree (i.e. 1 credit for M.S. and 1 credit for Ph.D.). Ph.D. students who have passed their comprehensive exam and need to take only one credit of CE601 to maintain continuous registration should audit this class. Maintaining high registration for the class is important for ensuring a large room (as the assign rooms based on enrollment).

This weekly seminar is intended to provide students practice giving research presentations and to help share their research plans and findings with other interested faculty, staff, students, and colleagues. In advance of their presentation, speakers are required to provide a title and brief abstract, which will be disseminated. The speaker from the previous week serves as the moderator. Feedback forms are completed for each student speaker by those attending the seminar to provide suggestions for improving presentation skills. In addition, each student is expected to be an active participant in the class by regularly asking questions.

Organizer: Dr Bruce Logan, blogan@psu.edu; Phone: 865-9980; email: blogan@psu.edu

Meeting Time and Location:  Grading Policy:
W 11:15-12:05, 067 Willard  Attendance=50%, Participation (presentation or questions)=50%

Date | Presenter | Topic/Title
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8/25 | Logan, Burgos | Introductions of new students. Tips on writing papers
9/1 | Jess Grembi | Environmental activities in the military /SARI
9/8 | Lance Larson | Sediment-pore water equilibria interactions associated with arsenic and uranium transport within historical uranium mining impacted watershed, Harding County, SD
9/15 | Bill Johnson, (Univ. Utah) | New filtration theory for predicting retention of Cryptosporidium oocysts and other >2 µm particles in porous media under environmental conditions
9/22 | Andy Lau | The Contested Meanings of Sustainability
9/29 | TBD | TBD
10/6 | Younggy Kim | Competitive partitioning of two cations with cation-exchange membranes
10/13 | Sarah Hays | Performance of MFCs in a “sandwich” setup reactor configuration using activated carbon cathodes with the addition of varying diffusion layers
10/20 | Tim Heyler | Comparison of Soil Phosphorus Behavior in Wastewater-irrigated Forests and Cropland.
10/27 | Matt Yates | Determination reactor performance variability based on inoculum source and replicate reactors in MFCs
11/1 | Thomas Borch (CSM) | Environmental Fate and Transport of Steroid Sex Hormones from Human and Animal Wastes
11/10 | Yiyining Hong | Design of Self-Propelled Micro and Nano-Motors
11/17 | Caporuscio, Abby | From Silent Spring to the Forest Floor: Enzymatic Biocatalysis of Endocrine Disrupting Compounds in Wastewater Using Fungal Mycelia
12/2 | Adam Hutchinson | Effect of anode length and placement on internal resistance in MFCs
12/9 | Logan | Course wrap up.