

CEE 691 Fall 2017
ENVIRONMENTAL and WATER RESOURCES ENGINEERING SEMINAR

Friday 2:30 pm ELab 323

Instructor: Prof. John E. Tobiason

DATE	TITLE or TOPIC	SPEAKER(s)
08 Sept	“Intermediate Ferrate Oxidations for Drinking Water Treatment”	Intros by Tobiason; NEGSWS info Josh Cunningham, UMass EWRE
15 Sept	1) The Challenge of Flooding 2) Designing Freshwater Resilience in the Valley of Mexico	1) Katherine Schlef, UMass EWRE 2) Sarah Freeman, UMass EWRE
22 Sept	Photogranulation in wastewater treatment, on glacier surface, and elsewhere”	Dr. Chul Park, Professor UMass Amherst CEE
29 Sept	Sunlight inactivation of waterborne viruses and bacteria: Modeling inactivation rates in the presence of light-attenuating compounds and photosensitizers	Dr. Andrea Silverman New York University
05 Oct (Thur)	Collaborative Research with Drinking Water Utilities on Harmful Algal Blooms	Prof Michelle Prevost L’Ecole Polytechnique, Montreal
13 Oct	1) The Impact of Nitrogen Availability on Oxygenic Photogranule Formation under Static Conditions 2) The role of extracellular polymeric substances in the hydrostatic cultivation of oxygenic photogranules	Megan Hann, UMass EWRE Camilla Kuo-Dahab, UMass EWRE
20 Oct	Furthering oil spill research	Aarthi Mohan, UMass EWRE
27 Oct	Innovative Nanomaterials for Water Security: Emerging Opportunities and Risks	Dr. Appala Raju Badireddy Assistant Professor, Univ of Vermont
03 Nov	1) Membrane Disruption Induced by Nanoparticles with Cationic Charge and Protein Corona Service as Personal and Professional Development: 3 2) Things I Learned During my Peace Corps Service in West Africa	Zehui Xie, EWRE UMass, Mimi Alkattan, EWRE UMass
10 Nov	Adsorption of Organic Compounds by Carbon Nanomaterials: Exploring Intermolecular Interactions to Advance in Water Treatment Technologies	Dr. Onur Apul, Assistant Professor UMass Lowell
17 Nov	Effect of Climate Change and Transaction Costs on Performance of Groundwater Markets	Hassan Khan, EWRE UMass
01 Dec	Enhanced Project Delivery – Asset Management as if Operations and Maintenance Mattered	Mr. Gordon Johnson, PE Portland (ME) Water District
08 Dec	1) Seeking Evidence of Altered Climatology due to River Basin Development in East Africa 2) Water and Growth in Tanzania.	Chinendum Eluwa, UMass EWRE Alec Bernstein, UMass EWRE