



University of California, Merced

UC MERCED ENVIRONMENTAL SYSTEMS SEMINAR

12:30 to 1:30 pm

September 19th, 2018

Student Services Building Room 130

Vegan snacks, coffee and tea will be provided. Please, bring your own mug to decrease waste. Visit <http://es.ucmerced.edu/seminars>

Dr. Dick Luthy – University of Stanford

Host: Prof. Tom Harmon

Sustainable Urban Water Supply for Semi-arid Cities

The old ways of coping with the California's water needs — overdraft of groundwater, stream depletion, and greater imports—will no longer meet the demands of the 21st Century. The solution to the challenge of urban water security will comprise a combination of conservation, desalination, stormwater capture, water reuse, and water banking. These “taps” of new urban water, including potable reuse, will help dry cities in California and elsewhere achieve more sustainable and resilient water futures. This presentation will highlight advances in pilot demonstrations and systems management that point the way towards more resilient water supplies for dry cities.

Dr. Dick Luthy



Dick Luthy is the Silas H. Palmer Professor of Environmental Engineering at Stanford University.

He directs the NSF Engineering Research Center for Re-inventing the Nation's Urban Water Infrastructure (ReNUWIt) that seeks more sustainable solutions to urban water challenges in the arid west.

His area of teaching and research is environmental engineering and water quality with applications to water reuse, stormwater use, and systems-level analysis of our urban water challenges.

He is a member of the National Academy of Engineering, the Academy of Distinguished Alumni — Department of Civil & Environmental Engineering, UC Berkeley, and a Fellow of the Water Environment Federation.

NOTE: There will be a graduate student luncheon with Dr. Luthy on Wednesday, September 19th, 2018, at SE1, Room 298, from 11:00 am to 12:15 pm.

Disclaimer: *the ES Seminar is committed to decrease our environmental footprint and our luncheons and the seminar snack are only vegetarian or vegan options. We encourage the participants to bring their own mugs to decrease waste.*