



Water UCI

Colloquium Series

Calit2

4:00 to 5:30 p.m.

Water UCI is sponsoring a colloquium series this fall to provoke a thoughtful exchange of ideas and to better engage our regional colleagues regarding critical water issues facing the state, nation, and planet — and what we can do to address them.



October 30, 2014

A 21st Century 'systems approach' for managing water resources for resilience

Presented by Celeste Cantú

General Manager at the Santa Ana Watershed Authority

The challenges of the 21st Century include extreme drought, temperature increase, an unsustainable Sacramento/ San Joaquin River Delta, an oversubscribed Colorado River, and the fastest growing watershed in California. This talk will explore what water resource management strategies will support quality of life, a robust economy, and a resilient ecosystem.



November 19, 2014

Multi-Decadal Evolution of Urban Water Systems

Presented by Professor Stanley Grant

Department of Civil and Environmental Engineering

The long-term sustainability of many large cities may hinge on how well they manage urban water demand. Over the past 74 years, water demand in Melbourne (Australia) transitioned between two states: one in which demand scaled linearly with reservoir storage, and another in which demand was constant. Transition between states occurs when extreme events (major droughts and significant infrastructure upgrades) cause reservoir storage to rise above or fall below 200 to 300 kL person⁻¹. These insights provide a theoretical framework for long-term projections of urban water demand and hint at strategies cities can adopt to mitigate freshwater scarcity.

RSVP at water.uci.edu/events-2