



Department of Civil  
and Environmental  
Engineering

# ENVIRONMENTAL ENGINEERING SEMINAR SERIES

FRIDAY, JANUARY 31ST FROM 1:30PM-2:20PM

MCDONNELL DOUGLAS AUDITORIUM (MDEA)

## *UCI Graduate Students Present Their Research Findings*

*Presented By: Tyler Abercrombie*

*A Comparison of the Effects of Cross-flow Velocity on Flux and Biofilm Thickness in Bench Scale FO and RO Membrane Desalination*

**Bio:** I am a second year graduate student in environmental engineering in Dr. Sunny Jiang's lab. My research involves quantifying the effects on marine bacteria of chlorination and de-chlorination as a pretreatment to RO membrane desalination.

*Presented By: Karine Reyes*

*UCI Microgrid*

**Bio:** I am a second year masters student in environmental engineering and conduct research in the Advanced Power and Energy Program (APEP).

*Presented By: Guillermo Gomez*

*Injection of Oil-Water Emulsions into a High Pressure Crossflow.*

**Bio:** I am a third year graduate student studying combustion engineering for gas turbine applications. My research involves using laser diagnostics and specialized visualization tools to study the fuel spray behavior in gas turbine engines.

**Next Week's Seminar (Friday, February 7th)**

Megan Rippy, Ph.D.  
Post Doctoral Researcher (UCI)

Questions? Email: CEE@UCI.EDU Phone: (949) 824-5333