

# California Lighting Technology Center



**Michael Siminovitch**  
**Rosenfeld Chair in Energy Efficiency**

**Professor**  
University of California, Davis

**Director**  
California Lighting Technology Center

**Associate Director**  
Energy Efficiency Center



# Research, Demonstration & Outreach

*Working with industry and Utility partners*

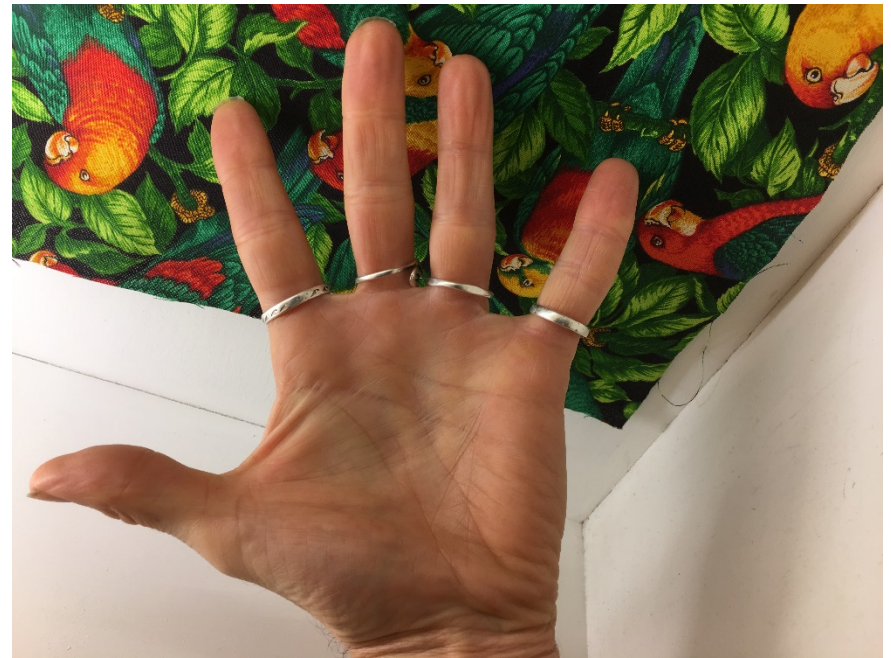




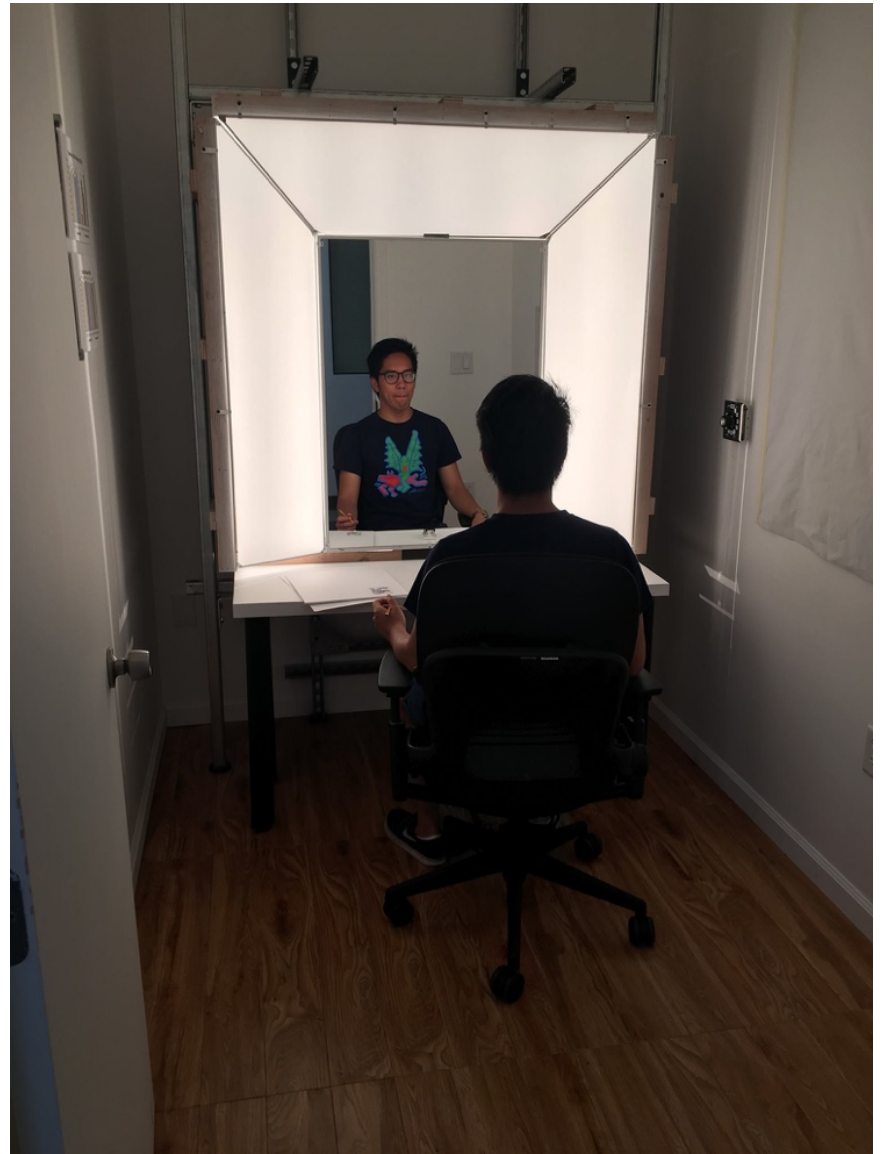
UNIVERSITY  
OF  
CALIFORNIA

# Spectrally-Tunable Lighting

*Research & Development*







# High Color Quality Lighting for Doctor's Inspection (Dermatology)

- Fixture with two-channels of color quality for testing:
  - 82 CRI
  - 95 CRI





# Research demonstrations UC Medical Centers



# UC Health - demonstration

Objective a UC specification for offices,  
dermatology/inspection for high color quality

- High color rendering
- Doctors inspection
- dermatology
- Patient rooms

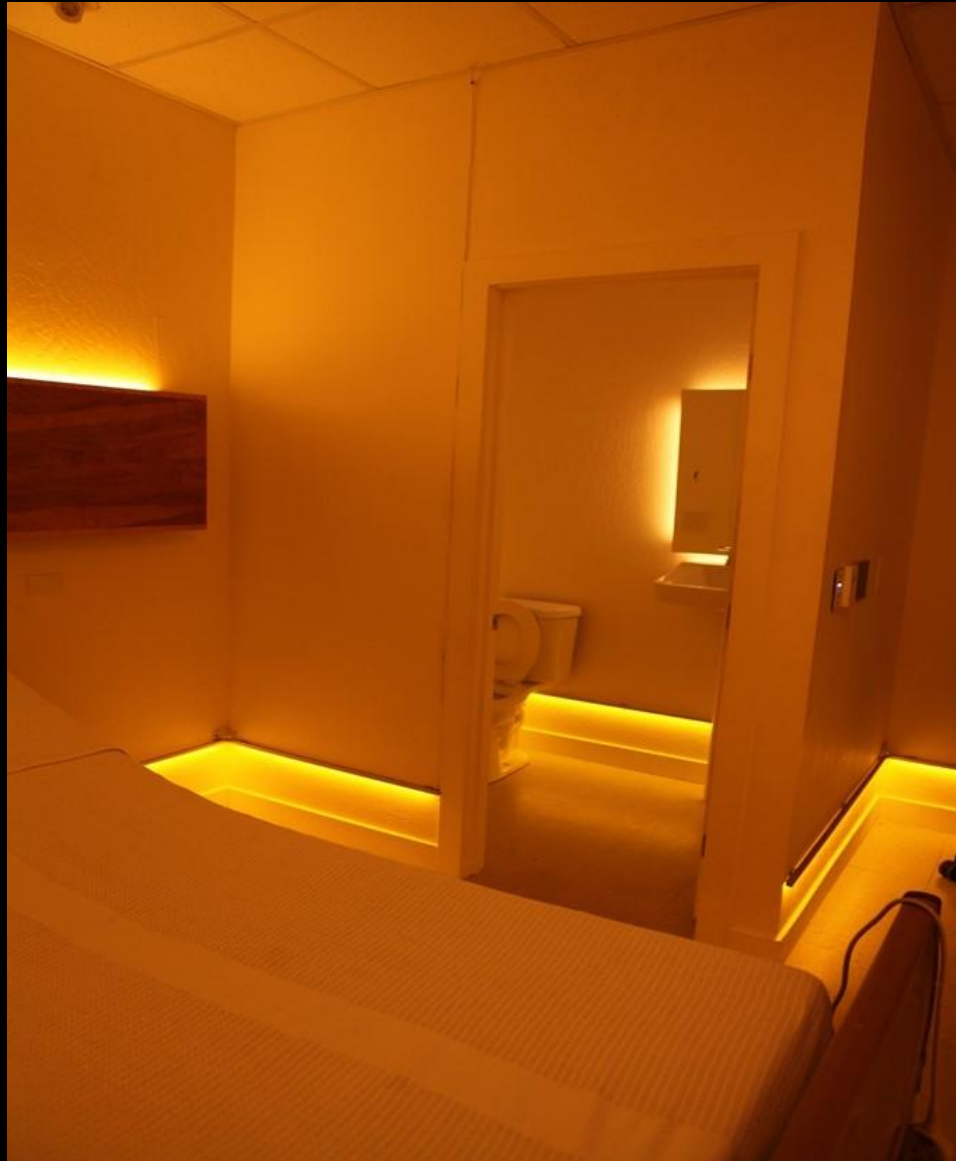




# Quality classroom initiative



# Circadian lighting







# Amber Corridors for UC Health care

- State wide UC specification
- Testing
- UC Irvine/UC Davis





# Bi-Modal Amber/White Lighting installed at UC Davis Dormitory

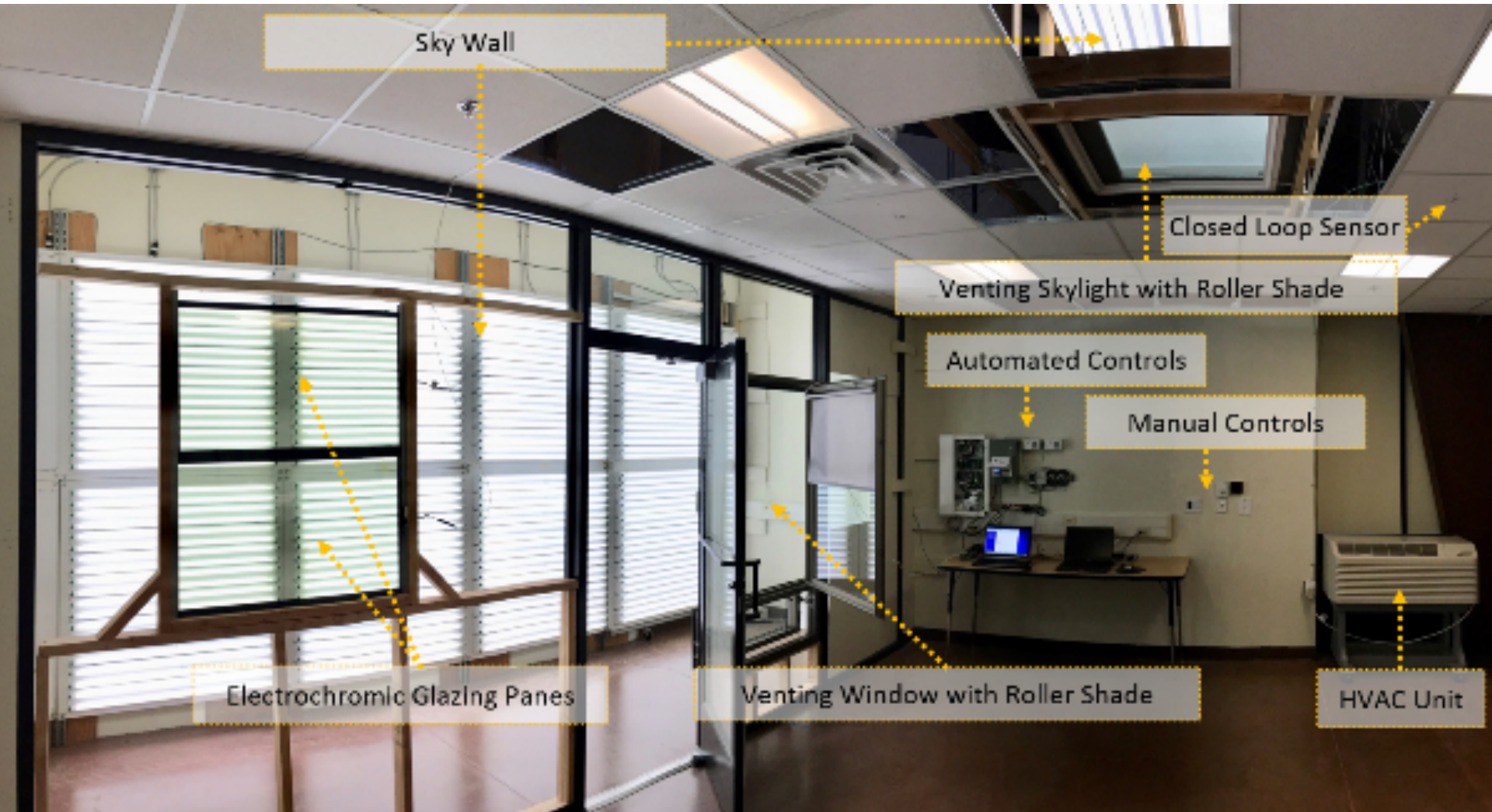


# UC Circadian specification





# Integrated building controls Lab





# California Energy Alliance

Alliance of organizations and individuals committed to smart, sustainable energy use within California's built environment.



# Title 2019 Sensor based building standards

~**40% savings**



## California Million Lamp Challenge



**DGS**  
GENERAL SERVICES

FOUNDATION for CALIFORNIA  
COMMUNITY COLLEGES

UNIVERSITY OF CALIFORNIA  
Carbon Neutrality  
Initiative

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# California Million Lamp Challenge

Providing high-quality LED lights to  
students, staff, faculty, and alumni.  
Informed product selection, great price,  
ease of purchase.

UC Davis undergraduate student Liz McAllister,  
working at the California Lighting Technology Center (CLTC)

Scroll





# Million lamp challenge 2

- Strong Partner interest
- TLED/kits
- Develop quality spec
- Proposal this spring



California Community Colleges  
Chancellor's Office



# Centro de Tecnología en Iluminación

## Universidad Autónoma de Guadalajara

Dr. Mauricio Alcocer Ruthling Universidad Autónoma de Guadalajara

Dr. Michael Siminovitch University of California, Davis







# Lighting Center building design 2018-19

