



UC Center Sacramento

“ALERTCalifornia: An Advanced Camera Network for Wildfire Control in California”

Professor Neal Driscoll, UC San Diego

**Wednesday,
November 29th**

12:00 - 1:00pm

In person attendance
or by Zoom webinar

**Please note our
new location:**

1115 11th St,
Sacramento, CA
95814

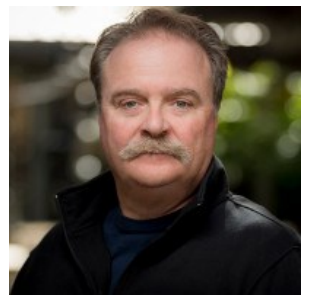
For catering
purposes, please
RSVP by
November 22nd
(uccs.ucdavis.edu)
to ensure that we
have a lunch for you.

This talk will introduce UC San Diego’s ALERTCalifornia program, an early fire confirmation and situational awareness tool that represents the 3rd generation of UC San Diego’s wireless network project. ALERTCalifornia is a network of over 1,000 state-of-the-art Pan-Tilt-Zoom (PTZ) fire cameras and associated tools aimed to aid in 3 crucial ways:

1. Before wildfires, assess vegetative fuel load and moisture content to aid forest management decisions;
2. During wildfires, provide real-time data to quickly scale fire resources, help evacuations, and monitor fire behavior; and
3. After wildfires, monitor landscape changes (e.g., soil erosion, debris flows, revegetation) to reduce post-fire hazards.

With the frequency and severity of wildfires in California increasing at an alarming rate over the last decade, remote sensing data have never been more essential to develop effective and time-critical plans for wildfire prevention, protection, mitigation, and response. As a UC San Diego project, ALERTCalifornia is an open-source initiative with its data accessible to all, from first responders to scientists, to tackle wildfires' impact on the environment and climate.

Dr. Neal Driscoll is a geology and geophysics professor at UC San Diego's Scripps Institution of Oceanography. His work focuses on tectonic deformation and landscape evolution, primarily using sediment records to unveil Earth's history. As the head of UC San Diego's ALERTCalifornia program, he oversees a network of advanced fire cameras aiding early fire confirmation and response. Dr. Driscoll earned his B.S. in Geology from the University of New Hampshire, an M.S. from the Graduate School of Oceanography at the University of Rhode Island, and an M.S. and Ph.D. in Geophysics at Columbia University.



For questions contact Brooke Miller-Jacobs at (916) 445-5161 or UCCS-talks@ucdavis.edu.

The views and opinions expressed during this lecture are those of the speaker and do not necessarily represent the views of UCCS.