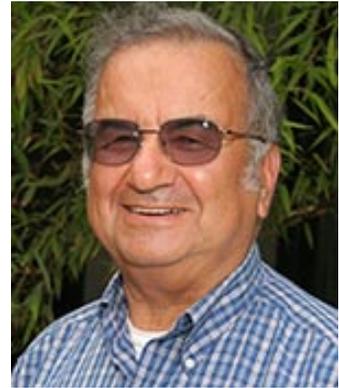


“How Research on a UC Campus Made Solar Thermal Power Practical and Affordable Worldwide”

Professor Roland Winston
Schools of Natural Science and Engineering
University of California, Merced



In this presentation, Professor Winston discusses ways in which policy in California can be used to promote the continued development and implementation of solar technology in the State. For example, he demonstrates that incentives for photovoltaics (converting light into electricity) worked well in California and can be applied to other solar based solutions to some of California's policy issues. Advances in technology should drive policy to incentivize home owners and businesses to include solar thermal in their planning and budgets.

Dr. Roland Winston is a Distinguished Professor and founding faculty member in the schools of Natural Science and Engineering at University of California at Merced. He is also the Director of the University of California Advanced Solar Technologies Institute (UC Solar), a system-wide research collaboration funded by the UC Office of the President. Dr. Winston's research and teaching focuses on concentrating solar energy systems and applied nonimaging optics. The concepts developed and the devices invented by Dr. Winston have formed the core of a new technology which carries the promise of making solar energy a truly viable energy source for society. Devices to which Winston's name has become attached include the CPC itself, which is sometimes known as a "Winston solar collector" and "Winston cones", the individual parabolic elements that make up a CPC. Practical applications can be found in photovoltaics, natural lighting of buildings, water heating, space heating and cooling, desalinization, cooking and in the collection of solar UV radiation for the photo-catalytic treatment of contaminated wastewater. Nonimaging optics proved to be an important tool in several other areas including astrophysics, elementary particle physics, infrared physics and vision research. He has had over 200 articles published in scientific journals and over 100 patents.

Thursday, Feb. 16th, 2017 at 12:00-1:00pm

UC Center Sacramento 1130 K Street, Room LL3 Sacramento, CA 95814

Lunch will be served

To register go to: uccs.ucdavis.edu/events RSVP by February 13th!