



LIFE MEMBERS AFFINITY GROUP

BUENAVENTURA AEROSPACE SOCIETY CHAPTER

Atomic Time in Space

When Mickey Mouse on a Wristwatch Just Won't Do

Distinguished Scientist, James Camparo, Ph.D.

Thu May 28, 2015 at 6:30 pm

CLU Ahmanson Richter Hall

Meetings are free and open to the public



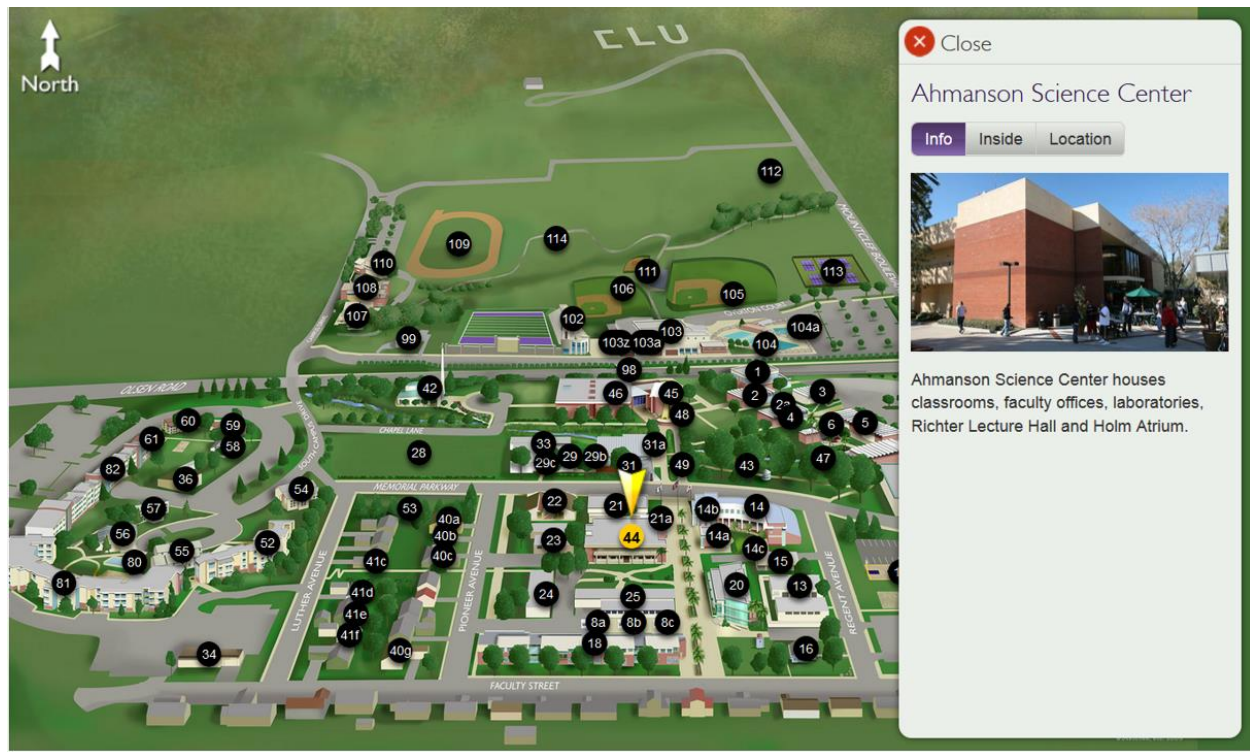
The presentation will open with an overview of atomic timekeeping in space (e.g., GPS). A general introduction to atomic clocks will follow that highlights the distinction between atomic clocks and quartz oscillator clocks. In particular, attention will focus on the rubidium atomic clock, which is arguably the workhorse of atomic timekeeping in space, and the manner in which this clock generates its atomic signal. The presentation will conclude with a discussion of ongoing research, which seeks to improve and miniaturize present day and next generation atomic clocks.

Dr. James Camparo joined The Aerospace Corporation's Atomic Physics section in January 1981 immediately after obtaining his doctorate from Columbia University. He is currently a Distinguished Scientist in Aerospace's Physical Sciences Laboratories, where his interests include research and development of the laser-pumped atomic clock, the study of atomic timekeeping onboard spacecraft, and experiments investigating the stochastic-field/atom interaction problem. Dr. Camparo is the author or co-author of over 100 scientific papers (peer-reviewed journal articles and conference proceedings), and he holds six patents in the area of atomic clocks.

Location: California Lutheran University
100 Ahmanson Science Building,
60 West Olson Road, Thousand Oaks
(see map on next page)
Pizza/networking starts at 6:30 pm
Talk starts at 7:00 pm

Our sponsors
California Lutheran University
IEEE Buenaventura Section

RSVP: get your ticket [here](#) (free event)



Directions from Ventura:

Take the Ventura Freeway 101 South.
 Take Lynn Road Exit, turn left, drive 2.9 miles.
 Lynn Road turns into Olsen Road, drive .9 miles.
 Turn right onto Mountclef Boulevard - the University is on the right
 Turn Right onto Memorial Parkway
 Park on Memorial Parkway or adjacent streets.

Directions from Los Angeles:

Take the Ventura Freeway 101 North.
 Take Lynn Road Exit, turn right, drive 2.9 miles.
 Lynn Road turns into Olsen Road, drive .9 miles.
 Turn right onto Mountclef Boulevard - the University is on the right.
 Turn Right onto Memorial Parkway
 Park on Memorial Parkway or adjacent streets.

CLU STREET PARKING PERMIT

IEEE-RAS-IA MONTHLY MEETING

THIS VEHICLE IS AUTHORIZED TO PARK ON ANY CLU STREET BEFORE 7 PM ON THE 2ND OR 3RD WEDNESDAY OF THE MONTH IN CONNECTION WITH THE IEEE-ROBOTICS AUTOMATION/INDUSTRIAL APPLICATIONS MEETING ON THE CLU CAMPUS.

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**Fred Miller
Director of Campus Public Safety
(805) 493-3960**