



BUENAVENTURA RAS/IAS CHAPTER

Laser Doppler Velocimetry (LDV) applications in Industry and R&D

By Darius Modarress, Ph.D.

Wed Sep 2, 2015 at 6:30 pm

CLU Swenson 101

Meetings are free and open to the public



Laser Doppler Velocimetry (LDV) based sensors are compact, lightweight and robust integrated systems that provide flow speed measurement in challenging environments. In addition to laboratory use, LDV sensors possess the ability to operate in extreme pressure, temperature, humidity, submersion, and vibration. These sensors are utilized for a wide variety of research and industrial purposes that demand high accuracy measurements. These applications range from classical fluid dynamics instruction to unmanned submersible vehicles, bio-monitoring, oil industry, combustion field, and blood flow. Dr. Modarress will present the science behind these sensors along with examples of their use.

Dr. Darius Modarress is the Chief Technology Officer (CTO) and the Co-Founder of Measurement Science Enterprise. He graduated from the University of California at Berkeley with a Ph.D. degree in Mechanical/Aeronautical Engineering with emphasis on fluid mechanics. Dr. Modarress has over 40 years of experience in optical instrumentation and flow measurement, and has been instrumental in the design, development and marketing of a variety of imaging and non-intrusive sensors. He has worked with a number of start-up companies related to optical instrumentation. Dr. Modarress has authored eight patents related to optical instrumentation and more than fifty related publications.



Location: California Lutheran University
Swenson 101
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
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RSVP: [at this link](#) (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 Faculty Street
 Park on Faculty Street or adjacent streets.
 Visitors may park on the streets after 7 pm without a permit.
 Important: do not park in the spots marked "Homeowner Parking only".
 Before 7 pm, we recommend to park in the G lot on the southwest corner of Olsen and MountClef and walk to the Swenson building.

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.
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 Prior to 7 pm, Respect parking signs and do not park in faculty spots.
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CLU STREET PARKING PERMIT IEEE-RAS-IA MONTHLY MEETING

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

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