



# BUENAVENTURA RAS/IAS CHAPTER

## Collaborative Robots (CoBots) Augmenting Electronics Manufacturing and Testing

By Andy Tomat

**Wed Nov 4, 2015 at 6:30 pm**

101 Swenson Building on the CLU campus

Meetings are free and open to the public



Collaborative Robots (CoBots) execute strenuous or monotonous tasks, ensure quality control, and operate safely alongside their human operators. Safety and ease of operation are imperative to the assimilation of CoBots into the manufacturing environment. Moreover, CoBots are designed to be highly adaptable, to empower manufacturing employees, and to provide rapid return on investment. The capacity for ordinary employees to quickly teach CoBots a variety of tasks, and move them around the factory floor sets CoBots apart from conventional assembly line robots and makes them appealing for use in electronics assembly and test, particularly in Asia where there are increased staffing shortages and high turnover. Andy will describe the applications, and impact of CoBots in electronics manufacturing and testing. He will also host a live demonstration where audience members will be able to interact with CoBots from Universal Robots.

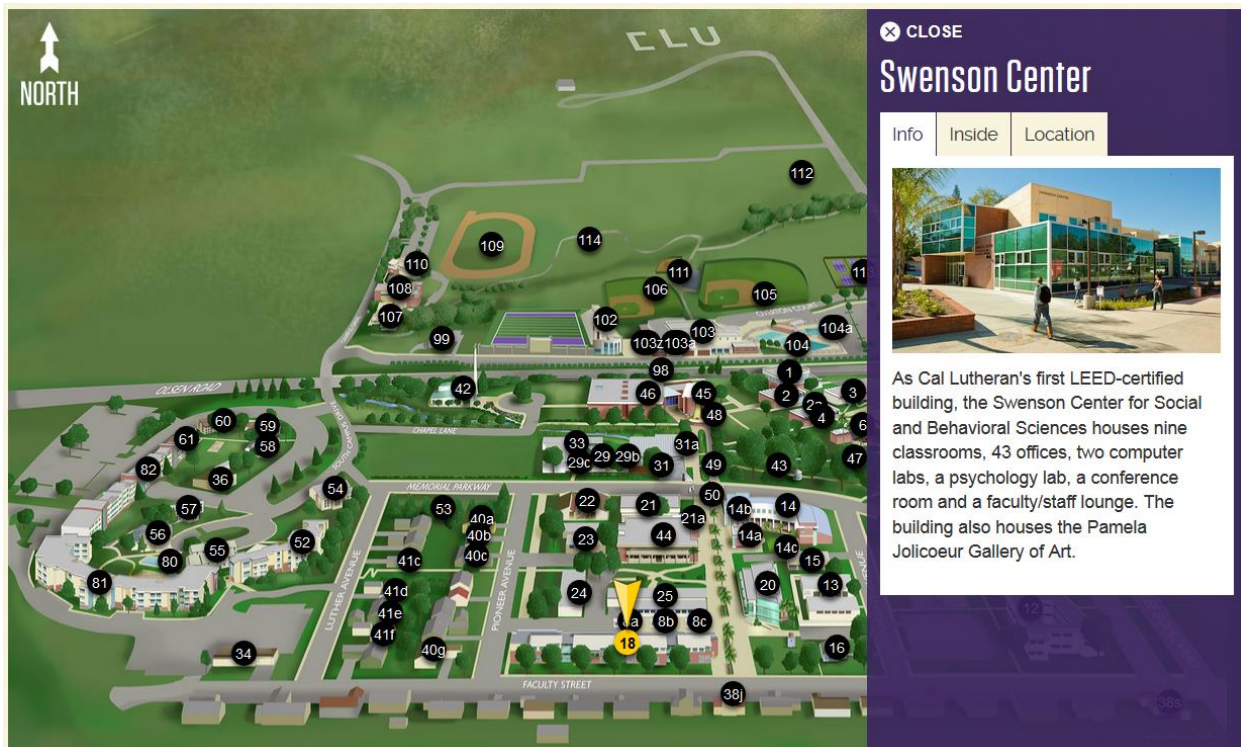
Andy Tomat is the Head of Corporate Development at Teradyne, a leading developer and supplier of automatic test equipment to semiconductor, wireless, and aerospace markets. Andy has 25 years of experience using technical, marketing, and financial background to grow businesses and increase shareholder value. He has helped launch several startups in the imaging space and holds multiple patents in digital imaging and content management. Andy possesses a B.A in Physics and Mathematics from Cornell University, and an M.B.A in Marketing and Finance from The University of Connecticut School of Business.



**Location:** California Lutheran University  
101 Swenson Building,  
141 Faculty Street (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:** [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  
 Turn right onto MountClef Boulevard - the University is on the right  
 Turn Right onto Faculty Street  
 Park on Faculty Street or adjacent streets  
 Parking on the street is open after 7 pm  
 Prior to 7 pm, Respect parking signs and do not park in faculty spots  
 Visitors may park on the streets after 7 pm without a permit  
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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.**

**NAME:** \_\_\_\_\_

**LICENSE PLATE:** \_\_\_\_\_

**CONTACT PHONE NUMBER:** \_\_\_\_\_

**CURRENT DATE:** \_\_\_\_\_

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