

Use of Robots in Automation

Speaker: Mike Nariman

Wednesday April 26, 2017: 6:30 PM Food/Network, 7:00 PM Program

Location: CSUN Jacaranda Hall Room JD 1568, 18111 Nordhoff St, Northridge, CA 91330

Meeting is free and open to the Public

RSVP at [this link](#)



Subject: Applications That Lend Themselves to Robotics:

In general we can talk about two groups of applications. Group one is applications that have been designed with robotics in mind. Examples are use of robotics in factories, like car manufacturing.

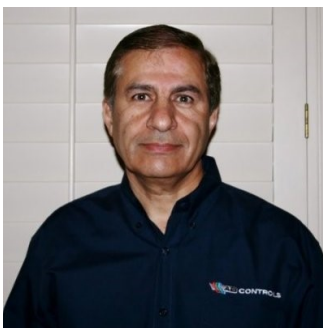
The second group are applications that are typically done by humans. However, they are suitable for robots. Our focus is on these applications. These include a series of actions that are repetitive and are done typically by humans in laboratory settings.

1. Laboratory Automation. Examples:
 - a. http://abcontrols.com/laboratory_automation/titration/automated_titration.php
 - b. http://abcontrols.com/laboratory_automation/vix_vial_handling/automated_pipetter_capper.php
2. Test Automation. Functional Testers
 - a. http://abcontrols.com/automated_test_equipment/ust_functional_switch_tester.php
 - b. http://abcontrols.com/automated_test_equipment/pcb_functional_tester.php
3. Process Automation



A robotic turn-key solution consists of two factors:

1. A Robot physically performing tasks.
2. A computer interacting with other instruments and orchestrating actions of the robot with other instruments.



Mike Nariman Bio

Education:

BSEE, Cal State LA
MS, Philosophy, Philosophy of Science, Cal State LA
MS, Computer Engineering, USC

Experience:

Senior Software Engineer, Tamarack Scientific, 1988-1997
Electronics Engineer, Labtest Equipment company, 1984-1988
CEO, President of AB Controls, 1997 to present.

Parking: The car entrance for E6 lot is from Halsted Street (one street before Plummer if you are coming from the 118). You can also park in F5 or B5 (basically any lot that does not specifically list an "E" (Employee Only) next to it. The meeting will be held in JD 1568. Look for IEEE signs in the building. For a campus map see: [CSUN MAP](#)