



WELCOMES YOU TO ATTEND THE PRESENTATION ON:

***Implementing Vision Feedback
In A Closed Loop Servo For Robotics***

Date: **Wednesday, March 15, 2017**

Time:

6:30 PM – Pizza + Social Networking
7:00 PM – Presentation

Location:

Jacaranda Hall Room 4440
College of Engineering & Computer Science
California State University, Northridge
18111 Nordhoff Street
Northridge, CA 91330

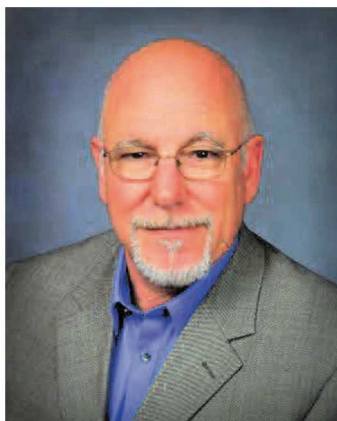
No Fee: Free pizza and light refreshments
from 6:30 PM

RSVP at ccckay.eventbrite.com

by March 13, 2017 for food/drink count

Information: Mr. Ron Olch, Chapter Chair at
ronald.h.olch@ieee.org

Speaker: Robert L. Kay



President/CEO of Elite Robotics Corp.

Abstract

The coming generation of robotic products will need to incorporate vision as an inherent feature and capability. Doing so in servo based systems bring with it a special set of challenges. This presentation will discuss the impact of using servo based systems for articulated arms and then adding closed loop camera controls. Elite Robotics is a startup that is working on a 3D camera and robot targeted at bench top assembly tasks. Our robot incorporates our 3D camera into the robot controls using the techniques discussed. The Elite Robotics MiniMe Robot and 3D camera will be demonstrated.



Speaker Biography

Robert cofounded a startup company to be a provider of bench top robotics and automation products. In parallel he cofounded and has been President/CEO of Elite Engineering Corp. which has for 28 years provided contract Design Engineering and Manufacturing services for instrumentation, automation and diagnostic products.

With a unique blend of interdisciplinary engineering and entrepreneurial business skills this has lead to 8 patents and experience covering applications for IVD devices, biotech and industrial instrumentation/automation, 3D vision systems, robotics, missile systems and more.

Robert's business experience includes operations, business development, marketing and manufacturing with hi-tech Fortune 100 companies operating in the medical, biotech and industrial market spaces.

Prior to starting up Elite, Robert worked at companies such as Teledyne Systems, ISC Aerospace and Burroughs Corp covering industrial and military applications. This gave him an engineering background that covers system design, analog and digital electronics, mechanical design, optics and software. His first engineering career job was designing servo signal processing and read/write chain design for what was to become the worlds first operational optical data disk system.

Robert earned a BS in Engineering from CSU Northridge in 1979. He has been married since 1974 and has two children.